

Fișa de verificare a îndeplinirii standardelor minimale

Dr. Poienar Maria

1. Activitatea didactică și profesională

A1 - Cărți în edituri internaționale recunoscute *Web of Science* în calitate de autor

Nr. crt.	Titlul	Autori	Editura, an, link (dacă este cazul)	Punctaj $4/n_i^{ef}$
Punctaj total indicator A ₁				

A2 - Capitole de cărți în edituri internaționale recunoscute *Web of Science*, în calitate de autor/ Review-uri în reviste cotate ISI

Nr. crt.	Titlul capitolului - titlul cărții / titlul Review-ului	Autori	Editura, an / revista, an, pagini, link (dacă este cazul)	Punctaj $1/n_i^{ef}$
1.	Titlul review-ului: Electrical conductivity of Ca-substituted lanthanum manganites	P. Sfirloaga, M. Poienar , I. Malaescu, A. Lungu, C.V. Mihali, P. Vlazan	Ceramics International 44, 2018, 5823-5828	0.18
2.				
Punctaj total indicator A ₂				0.18

A3 - Cărți în edituri internaționale recunoscute *Web of Science* în calitate de editor

Nr. crt.	Titlul	Editori	Editura, an, link (dacă este cazul)	Punctaj $0.5/n_i^{ef}$
Punctaj total indicator A ₃				

A4 - Cărți, manuale, îndrumătoare de laborator în edituri naționale sau alte edituri internaționale ca autor

Nr. crt.	Titlul	Autori	Editura, an, link (dacă este cazul)	Punctaj $0.5/n_i^{ef}$
1.				
2.				
3.				
Punctaj total indicator A ₄				

A5 - Capitole de cărți în edituri naționale sau alte edituri internaționale ca autor

Nr. crt.	Titlul capitolului - titlul cărții	Autori	Editura, an, link (dacă este cazul)	Punctaj $0.2/n_i^{ef}$
1.	Titlul capitolului : Quelques exemples d'oxydes de métaux de transition à valence mixte.	Christine Martin si Maria Poienar	Récents Progrès en Génie des Procédés, Numéro 108 - 2016 ISSN: 1775-335X ; ISBN: 978-2-910239-83-1, Ed. SFGP, Paris, France	0.1
Punctaj total indicator A ₅				0.1

A6 - Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri cu ISBN indexate ISI

Nr. crt.	Titlul	Autori	Revista, editura, an, link (dacă este cazul)	Punctaj $0.2/n_i^{ef}$
1.	Structure and properties of nanocrystalline Bi ³⁺ doped KNbO ₃ ceramics obtained by hydrothermal method	P. Vlazan, P. Sfirloaga, M. Poienar , M. Stoia	Materials Today: Proceedings 4(7), (2017) 7018.	0.05
2.	Influence of Synthesis Method on the Morphology and Properties of ABO ₃ Materials	P. Vlazan, M. Stoia, P. Svera, M. Poienar , P. Sfirloaga	IOP Conference Series: Materials Science and Engineering 416 (2018) 012076.	0.04
3.	Structural and Optical Properties of Perovskite-Type Compounds Obtained by Ultrasonic Method	P. Sfirloaga, M. Stoia, M. Poienar , P. Vlazan.	IOP Conference Series: Materials Science and Engineering 416 (2018) 012067.	0.05
4.	Effect of Fe-doping on the structural, morphological and electrical properties of LaMnO ₃	P. Sfirloaga, I. Malaescu, C.N. Marin, M. Poienar , P. Vlazan.	AIP Conference Proceedings 2218,040003, 2020.	0.04
Punctaj total indicator A ₆				0.18

A7 - Brevete de invenție internaționale acordate

Nr. crt.	Titlul	Autori	Autoritatea care a acordat brevetul link (dacă este cazul)	Punctaj $3/n_i^{ef}$
Punctaj total indicator A ₇				

A8 - Brevete de invenție naționale acordate

Nr. crt.	Titlul	Autori	Autoritatea care a acordat brevetul link (dacă este cazul)	Punctaj $0.5/n_i^{ef}$
	Dispozitiv de tip SUAS pe baza de materiale cu structura perovskitica-LaMnO ₃ :Ca sau Pd pentru detectia gazelor cu efect de sera.	SFIRLOAGA PAULA, MITREA CRISTINA, VLAZAN PAULINA, POIENAR MARIA , BARACU ANGELA	OFICIUL DE STAT PENTRU INVENȚII ȘI MĂRCI București	0.1
Punctaj total indicator A ₈				0.1

A9 - Director/ responsabil/ coordonator pentru programe de studii, programe de formare continuă, proiecte educaționale și proiecte de infrastructură (proiectele de cercetare se exclud)

Nr. crt.	Titlul proiectului sau programului	Calitatea (director sau responsabil)	Autoritatea contractantă, instituția, link	Punctaj

			(după cum este cazul)	
Punctaj total indicator A ₉				

A10 – Director /responsabil pentru proiecte de cercetare câștigate prin competiție națională sau internațională; proiectele de la punctul A₉ se exclud).

Nr. crt.	Titlul proiectului	Calitatea (director sau responsabil)	Autoritatea contractantă, link (dacă este cazul)	Punctaj V / 100.000
1.	Influence of temperature and high pressure on the structural and physical properties in Fe-based Charge Order systems PN-II-ID-JRP-2011- 2	Director de Proiect	UEFISCDI	250 000/100000= 2.5
2.	Improved multifunctional crednerite type oxides: from magnetism to catalysis PN-II-RU-TE-2014-4-2179	Director de Proiect	UEFISCDI	100 000/100000= 1
Punctaj total indicator A ₁₀				3.5

Punctaj total obținut pentru activitatea didactică și profesională:

$$A = \sum_{i=1}^{10} A_i = 4.06$$

2. Activitatea de cercetare

2.1 – Articole științifice originale, în extenso, ca autor

Nr. crt.	Referința bibliografică (Autori, Titlul, Revista, Vol., anul, pag. încep. – pag.sf.	AIS_i	n_i	n_i^{ef}	AIS_i / n_i^{ef}
1.	M. Poienar , F. Damay, C. Martin, V. Hardy, A. Maignan, G. André, “Structural and magnetic properties of $CuCr_{1-x}Mg_xO_2$ by neutron powder diffraction” Phys. Rev. B 79, 014412 (2009)	1.308		5.5	0.237
2.	A. Maignan, C. Martin, D. Pelloquin, E. Guilmeau, R. Frésard, V. Eyert, and M. Poienar , “On the strong impact of doping in the triangular antiferromagnet $CuCrO_2$ ” Solid State Commun. 149, 962-967 (2009)	0.672		6	0.112
3.	F. Damay, M. Poienar , C. Martin, A. Maignan, J. Rodriguez-Carvajal, G. André and J.P. Doumerc, “Spin-lattice coupling induced phase transition in $S = 2$ frustrated antiferromagnet $CuMnO_2$ ” Phys. Rev. B 80, 094410 (2009)	1.308		6	0.218
4.	M. Miclau, N. Miclau, M. Poienar and I. Grozescu, “A new piezoelectric single crystal obtained by Ge doping in the SiO_2 structure” Crys. Res. Technol. 44, Nr 6, 577-580 (2009).	0.348	4		0.087
5.	M. Poienar , F. Damay, C. Martin, J. Robert, S. Petit “Spin dynamics in the geometrically frustrated multiferroic $CuCrO_2$ ” Phys. Rev. B 81, 104411 (2010)	1.385	5		0.277

6.	C. Vecchini, M. Poienar , F. Damay, O. Adamopoulos, A. Daoud-Aladine, A. Lappas, J. M. Perez-Mato, L. C. Chapon and C. Martin, "Magnetoelastic coupling in the frustrated antiferromagnetic triangular lattice CuMnO_2 " Phys. Rev. B 82, 094404 (2010)	1.385		7	0.197
7.	K. Singh, B. Kundys, M. Poienar and C. Simon, "Effect of coupled ferroelectric and antiferromagnetic fluctuations on dielectric anomalies in spin induced multiferroics", J. Phys. : Condens. Matter 22, 445901 (2010)	0.974	4		0.243
8.	M. Poienar , C. Vecchini, G. André, A. Daoud-Aladine, I. Margiolaki, A. Maignan, A. Lappas, L. Chapon, M. Hervieu, F. Damay, C. Martin, "Substitution effect on the inter-plane coupling in crednerite: the $\text{Cu}_{1.04}\text{Mn}_{0.96}\text{O}_2$ case." Chemistry of Materials 23, 85-94 (2011)	1.915		8	0.239
9.	E. Guilmeau, M. Poienar , S. Kremer, S. Marinel, S. Hébert, R. Frésard, and A. Maignan, "Mg substitution in CuCrO_2 compounds" Solid State Communications 151, 1798-1801 (2011).	0.768		6	0.128
10.	J. Bourgeois, M. Hervieu, M. Poienar , A.M. Abakumov, E. Elkaim, M.T. Sougrati, F. Porcher, F. Damay, J. Rouquette, G. Van Tendeloo, A. Maignan, J. Haines, C. Martin, "Evidence of oxygen-dependent modulation in LuFe_2O_4 ", Phys. Rev. B 85 (2012) 064102.	1.429		9	0.1587
11.	M. Poienar , V. Hardy, B. Kundys, K. Singh, A. Maignan, F. Damay and C. Martin, "Revisiting the properties of delafossite CuCrO_2 : a single crystal study" Journal of Solid State Chemistry 185, 56-61 (2012).	0.618		6	0.103
12.	J. Bourgeois, G. Andre, S. Petit, J. Robert, M. Poienar , J. Rouquette, E. Elkaim, M. Hervieu, A. Maignan, C. Martin, F. Damay, "Evidence of magnetic phase separation in LuFe_2O_4 ", Phys. Rev. B 86 (2012) 024413	1.429		8	0.178
13.	O. Makarova, J. Bourgeois, M. Poienar , I. Mirebeau, S. Kichanov, G. Andre, E. Elkaim, M. Hanfland, M. Hervieu, A. Maignan, J. Haines, J. Rouquette, C. Martin, F. Damay, "Pressure effect on the magnetic order of LuFe_2O_4 ", Applied Physics Letters 103 (2013) 082907	1.217		9.5	0.128
14.	M. Hervieu, F. Damay, M. Poienar , E. Elkaim, J. Rouquette, A.M. Abakumov, G. Van Tendeloo, A. Maignan, C. Martin, "Nanostructures in $\text{LuFe}_2\text{O}_{4+\delta}$ ", Solid State Sciences 23 (2013) 26-34	0.448		7	0.064
15.	M. Hervieu, A. Guesdon, J. Bourgeois, E. Elkaim, M. Poienar , F. Damay, J. Rouquette, A. Maignan, C. Martin, "Oxygen storage capacity and structural flexibility of $\text{LuFe}_2\text{O}_{4+x}$ ($0 \leq x \leq 0.5$)", Nature Materials 13 (2014) 74-80.	17.85		7	2.55
16.	F. Damay, M. Poienar , M. Hervieu, A. Guesdon, J. Bourgeois, T. Hansen, E. Elkaim, J. Haines, P. Hermet, L. Konczewicz, T. Hammouda, J. Rouquette, and C. Martin, High-pressure polymorph of LuFe_2O_4 with room-temperature antiferromagnetic order, Phys. Rev. B 91, 2015, 214111.	1.229		9	0.136

17.	M. Poienar , A. Maignan, P. Sfirloaga, S. Malo, P. Vlazan, A. Guesdon, F. Lainé, J. Rouquette and C. Martin, "Polar Space Group and Complex Magnetism in $\text{Ni}_2\text{I}(\text{HPO}_3)_8(\text{OH})_6$: towards a new multiferroic material?", Solid State Sciences (2014) 92-96.	0.403		7	0.057
18.	J.-M. Rueff, M. Poienar , A. Guesdon, C. Martin, A. Maignan, P.-A. Jaffrès, "Hydrothermal synthesis for new multifunctional materials: a few examples of phosphates and phosphonate-based hybrid materials." J. Solid State Chem. 236 (2016) 236	0.467		5.5	0.084
19.	P. Sfirloaga, I. Malaescu, M. Poienar , C. M. Nicolae, D. Malaescu, P. Vlazan, "Synthesis, structural and electrical properties of $\text{NaTaO}_3:\text{Cu}$ ", J. Materials Science: Materials in Electronics 27 (2016) 11640-11645	0.227		5.5	0.041
20.	P. Vlazan, M. Stoia, M. Poienar , P. Sfirloaga, "Phase transition behaviour and physicochemical properties of KNbO_3 ceramics", Ceramics International 43 (2017) 5963-5967.	0.437	4		0.109
21.	P. Sfirloaga, M. Poienar , C. Ianasi, T. Vlase, P. Vlazan, "Synthesis and morpho-structural characterization of NaTaO_3 nanomaterials obtained by ultrasonic method with immersed sonotrode", J. Thermal Analysis and Calorimetry 127 (2017) 457-462.	0.279	5		0.055
22.	Christine Martin and M. Poienar , "Mixed valence transition metal 2D-oxides: Comparison between delafossite and crednerite compounds ", Journal of Crystal Growth 472 (2017), 71-75.	0.358	2		0.179
23.	M. Poienar , C. Martin, O.I. Lebedev, A. Maignan, "Advantage of low-temperature hydrothermal synthesis to grow stoichiometric crednerite crystals", Solid State Sci. 80, 39 (2018).	0.337	4		0.084
24.	M. Poienar , J. Bourgeois, C. Martin, (...), J. Haines, J. Rouquette, "P-T phase diagram of LuFe_2O_4 ", Crystals 8, 184 (2018)	0.425		9	0.047
25.	P. Sfirloaga, M. Poienar , I. Malaescu, A. Lungu, P. Vlazan, "Perovskite type lanthanum manganite: Morpho-structural analysis and electrical investigations", Journal of Rare Earths 36 (2018) 499-504.	0.349	5		0.069
26.	I. Malaescu, A. Lungu, C. N. Marin, P. Sfirloaga, P. Vlazan, P., S. Brindusoiu, M. Poienar , "Temperature dependence of the dynamic electrical properties of $\text{Cu}_{1+x}\text{Mn}_{1-x}\text{O}_2$ ($x = 0$ and 0.06) crednerite materials", Ceramics International 44 (2018) 11610-11616.	0.454		6	0.075
27.	M. Poienar , R. Banica, P. Sfirloaga, C. Ianasi, C.V. Mihali, P. Vlazan, "Microwave-assisted hydrothermal synthesis and catalytic activity study of crednerite-type CuMnO_2 materials" Ceramics International 44 (2018) 6157-6161.	0.454		5.5	0.082
28.	M. Poienar , P. Sfirloaga, C. Martin, D. Ursu, P. Vlazan, "Hydrothermal synthesis of crednerite $\text{CuMn}_{1-x}\text{M}_x\text{O}_2$ ($M = \text{Mg}, \text{Al}; x = 0-0.08$): structural characterisation and magnetic properties", Journal of Materials Science 53 (2018) 2389-2395.	0.558	5		0.111

29.	M. Poienar , A. Lungu, P. Sfirloaga, M. Lungu, C. V. Mihali and P. Vlazan, "Use of ultrasound-assisted co-precipitation route to obtain CuMnO ₂ semiconductor nanomaterials", Chemical Papers 73 (6) 1541–1546 (2019).	0.222		5.5	0.040
30.	M. Poienar , P. Sfirloaga, P. Vlazan, "Investigation of thermal and magnetic behaviour of mixed valence iron hydroxyphosphate from Fe ₃ (PO ₄) ₂ (OH) ₂ lipscombite systems", Ceramics International 45 (13) 16540-16544 (2019).	0.478	3		0.159
31.	P. Vlazan, S.F. Rus, M. Poienar* , P. Sfirloaga "The Effect of Dopant Concentrations on the Structural, Morphological and Optical Properties of NaNbO ₃ Semiconductor Materials", Materials Science in Semiconductor Processing 102 (2019) 104602.	0.408	4		0.102
32.	S. Brindusoiu, M. Poienar , C. N. Marin, P. Sfirloaga, P. Vlazan, I. Malaescu, "The electrical conductivity of Fe ₃ (PO ₄) ₂ ·8H ₂ O materials" J. Mater. Sci.: Mater. Electron. 30 (2019)15693.	0.256		5.5	0.046
33.	M. Poienar , F. Damay, J. Rouquette, V. Ranieri, S. Malo, A. Maignan, E. Elkaim, J. Haines, C. Martin, "Structural and magnetic characterization of barbosolite Fe ₃ (PO ₄) ₂ (OH) ₂ " Journal of Solid State Chemistry, 2020, 287, 121357.	0.443		7	0.063
34.	B.-O. Taranu, M.-G. Ivanovici, P. Svera, P. Sfirloaga, M. Poienar , "Ni _{1-x} (HPO ₃) ₈ (OH) ₆ multifunctional materials: Electrodes for oxygen evolution reaction and potential visible-light active photocatalysts" Journal of Alloys and Compounds 848, 2020, 156595.	0.719	5		0.143
35.	P. Sfirloaga, I. Sebarchievici, B. Taranu, M. Poienar , G. Vlase, T. Vlase, P. Vlazan, "Investigation of physico-chemical features of lanthanum manganite with nitrogen addition", Journal of Alloys and Compounds 843 (2020) 155854.	0.719		6	0.119
36.	F. Damay, J. Sottmann, F. Lainé, L. Chaix, M. Poienar , P. Beran, E. Elkaim, F. Fauth, L. Nataf, A. Guesdon, A. Maignan, and C. Martin, Magnetic phase diagram for Fe _{3-x} MnxBO ₅ , Phys. Rev. B 101, 2020, 094418.	0.975		8.5	0.114
37.	P. Vlazan, M. Poienar , F.S. Rus, P. Sfirloaga, Study of the structural and magnetic properties of Pd-substituted CoFe ₂ O ₄ materials obtained by a fast method, Physica B: Condensed Matter 615, 2021, 413073.	0.349	4		0.087
38.	C. Lazau, M. Poienar , C. Orha, D. Ursu, M. Nicolaescu, M. Vajda, C. Bandas, Development of a new "n-p" heterojunction based on TiO ₂ and CuMnO ₂ synergy materials, Materials Chemistry and Physics, 2021, 272, 124999.	0.513		6	0.085
39.	B.-O. Taranu, P. Vlazan, P. Svera (m. Ianasi), M. Poienar , P. Vlazan, P. Sfirloaga, New functional hybrid materials based on clay minerals for enhanced electrocatalytic activity, Journal of Alloys and Compounds 892 (2022) 162239	0.716		5.5	0.13
40.	A. Bucur, R. Banica, M. C. Pascariu, M. Poienar , C. Mosoarca, R. Bucur, A. Negrea, I. Hulka, Eco-	0.131		6.5	0.02

	valorification of marine shells by hydrothermal conversion in alkaline media, Digest Journal of Nanomaterials and Biostructures 17 (2022)153-160.				
Punctaj total indicator 2.1					I = 7.156

2.2 –Articole științifice originale în extenso ca prim autor sau autor corespondent, conform mențiunilor de pe articol.

Nr.	Referința bibliografică (Autori, Titlul, Revista, Vol., anul, pag.inceput-pag.sfârșit)	AIS_i
1.	M. Poienar , F. Damay, C. Martin, J. Robert, S. Petit “Spin dynamics in the geometrically frustrated multiferroic $CuCrO_2$ ” Phys. Rev. B 81, 104411 (2010).	1.385
2.	M. Poienar , F. Damay, C. Martin, V. Hardy, A. Maignan, G. André, “Structural and magnetic properties of $CuCr_{1-x}Mg_xO_2$ by neutron powder diffraction” Phys. Rev. B 79, 014412 (2009).	1.308
3.	M. Poienar , C. Vecchini, G. André, A. Daoud-Aladine, I. Margiolaki, A. Maignan, A. Lappas, L. Chapon, M. Hervieu, F. Damay, C. Martin, “Substitution effect on the inter-plane coupling in crednerite: the $Cu_{1.04}Mn_{0.96}O_2$ case.” Chemistry of Materials 23, 85-94 (2011).	1.915
4.	M. Poienar , V. Hardy, B. Kundys, K. Singh, A. Maignan, F. Damay and C. Martin, “Revisiting the properties of delafossite $CuCrO_2$: a single crystal study” Journal of Solid State Chemistry 185, 56-61 (2012).	0.618
5.	M. Poienar , A. Maignan, P. Sfirloaga, S. Malo, P. Vlazan, A. Guesdon, F. Lainé, J. Rouquette and C. Martin, "Polar Space Group and Complex Magnetism in $Ni_{11}\square(HPO_3)_8(OH)_6$: towards a new multiferroic material?", Solid State Sciences (2014) 92-96.	0.403
6.	M. Poienar , C. Martin, O.I. Lebedev, A. Maignan, “Advantage of low-temperature hydrothermal synthesis to grow stoichiometric crednerite crystals”, Solid State Sci. 80, 39 (2018).	0.337
7.	M. Poienar , J. Bourgeois, C. Martin, (...),J. Haines, J. Rouquette, “P-T phase diagram of $LuFe_2O_4$ ”, Crystals 8, 184 (2018).	0.425
8.	M. Poienar , R. Banica, P. Sfirloaga, C. Ianasi, C.V. Mihali, P. Vlazan, “Microwave-assisted hydrothermal synthesis and catalytic activity study of crednerite-type $CuMnO_2$ materials” Ceramics International 44 (2018) 6157-6161.	0.454
9.	M. Poienar , P. Sfirloaga, C. Martin, D. Ursu, P. Vlazan, “Hydrothermal synthesis of crednerite $CuMn_{1-x}MxO_2$ (M = Mg, Al; x = 0–0.08): structural characterisation and magnetic properties”, Journal of Materials Science 53 (2018) 2389-2395.	0.558
10.	M. Poienar , A. Lungu, P. Sfirloaga, M. Lungu, C. V. Mihali and P. Vlazan, “Use of ultrasound-assisted co-precipitation route to obtain $CuMnO_2$ semiconductor nanomaterials”, Chemical Papers 73 (6) 1541–1546 (2019).	0.222
11.	M. Poienar , P. Sfirloaga, P. Vlazan, “Investigation of thermal and magnetic behaviour of mixed valence iron hydroxyphosphate from $Fe_3(PO_4)_2(OH)_2$ lipscombite systems”, Ceramics International 45 (13) 16540-16544 (2019).	0.478
12.	M. Poienar , F. Damay, J. Rouquette, V. Ranieri, S. Malo, A. Maignan, E. Elkaim, J. Haines, C. Martin, “Structural and magnetic characterization of barbosolite $Fe_3(PO_4)_2(OH)_2$ ” Journal of Solid State Chemistry, 2020, 287, 121357.	0.443
13.	B.-O. Taranu, M.-G. Ivanovici, P. Svera, P. Sfirloaga, M. Poienar , “ $Ni_{11}\square(HPO_3)_8(OH)_6$ multifunctional materials: Electrodes for oxygen evolution reaction and potential visible-light active photocatalysts” Journal of Alloys and Compounds, 2020, 848, 156595.	0.719
Punctaj total indicator 2.2		P = 9.265

3. Recunoașterea impactului activității

3.1. Citări în reviste științifice cu factor de impact care se regasesc in InCites Journal Citation Reports sau in carti in edituri recunoscute Web of Science. Nu se iau in considerare citarile provenind din articole care au ca autor sau coautor candidatul.

Nr. publ. citată	Nr. publ. care citează	Referința bibliografică a publicației care citează (Autori, Titlul, Revista, Vol., anul, pag.-inceput -pag.-sfârșit)	C_i al publ. citate	n_i^{ef} al publ. citate	Punctaj $\frac{C_i}{n_i^{ef}}$
1.		M. Poienar, F. Damay, C. Martin, V. Hardy, A. Maignan, G. André, “Structural and magnetic properties of $CuCr_{1-x}Mg_xO_2$ by neutron powder diffraction” Phys. Rev. B 79, 014412 (2009).	109	5.5	19.818
	1	Traiphop, S; Manyam, J; Kamwanna, T, Effects of Cr Doping on Physical Properties of $CuBO_2$ Delafossite Oxide, CHIANG MAI JOURNAL OF SCIENCE, 49, 2022, 205-216			
	2	Sun, D; Sokolov, DA; Waite, R; Khim, S; Manuel, P; Orlandi, F; Khalyavin, DD; Mackenzie, AP; Hicks, CW, Heisenberg spins on an anisotropic triangular lattice: $PdCrO_2$ under uniaxial stress, NEW JOURNAL OF PHYSICS, 23, 2021, 123050			
	3	Schorne-Pinto, J; Chartrand, P; Barnabe, A; Cassayre, L, Thermodynamic and Structural Properties of $CuCrO_2$ and $CuCr_2O_4$: Experimental Investigation and Phase Equilibria Modeling of the Cu-Cr-O System, JOURNAL OF PHYSICAL CHEMISTRY C, 125, 2021, 15069-15084			
	4	Dimple, D; Lebegue, S; Pastore, M, Dye Anchoring on $CuCrO_2$ Surfaces for p-Type Dye-Sensitized Solar Cell Applications: An Ab Initio Study, ACS APPLIED ENERGY MATERIALS, 4, 2021, 6180-6190			
	5	Pokhriyal, P; Kumar, A; Singh, MN; Sagdeo, P; Sinha, AK; Sagdeo, A, Distorted octahedra induced anisotropic strain and local disorder in delafossite $CuCrO_2$, SOLID STATE SCIENCES, 117, 2021, 106602			
	6	Ledue, D; Ndzamba, WL; Patte, R; Albaalbaky, A, Magnetic field induced phases in $CuCrO_2$: Monte Carlo and analytical investigations, PHYSICAL REVIEW B, 103, 2021, 94401			
	7	Pokhriyal, P; Bhakar, A; Singh, MN; Srivastava, H; Rajput, P; Sagdeo, P; Srivastava, A; Lalla, NP; Sinha, AK; Sagdeo, A, Possibility of relaxor-type ferroelectricity in delafossite $CuCrO_2$ near room temperature, SOLID STATE SCIENCES, 112, 2021, 106509			
	8	Li, LS; Narayanan, N; Jin, SJ; Yu, J; Liu, ZJ; Sun, HL; Wang, CW; Peterson, VK; Liu, Y; Danilkin, S; Yao, DX; Yu, DH; Wang, M, Magnetic ordering and spin dynamics in the $S=5/2$ staggered triangular lattice antiferromagnet Ba_2MnTeO_6 , PHYSICAL REVIEW B, 102, 2020, 94413			
	9	Majee, MK; Bhobe, PA, Correlation of Local Crystal Structural and Physical Properties of the Delafossite $CuCr_{1-x}Fe_xO_2$ ($0 \leq x \leq 1$) Series, INORGANIC CHEMISTRY, 59, 2020, 6790-6799			
	10	Tang, YY; Qin, M; Hu, YD; Cui, K; Zeng, JH; Chen, LW; Yu, L, Solid solubility of Mg and enhanced electrical conduction in the C-axis orientation of $CuCr_{1-x}Mg_xO_2$ polycrystals, JOURNAL OF ASIAN CERAMIC SOCIETIES, 8, 2020, 537-541			
	11	Tailleur, E; Martin, C; Damay, F; Fauth, F; Maignan, A, Lack of linear magnetoelectric effect in ferrimagnetic distorted honeycomb $Ni_4Nb_2O_9$, JOURNAL OF APPLIED PHYSICS, 127, 2020, 63902			
	12	Songvilay, M; Petit, S; Koza, M; Rols, S; Suard, E; Skumryev, V; Martin, C; Damay, F, Disorder and magnetic excitations in $CaCr_xFe_{2-x}O_4$ ($x=0, 0.5$), PHYSICAL REVIEW B, 101, 2020, 14407			
	13	Schorne-Pinto, J; Janghorban, A; Lomello-Tafin, M; Pisch, A; Mikaelian, G; Benigni, P; Barnabe, A; Cassayre, L, Assessment of thermodynamic data for $CuCrO_2$ delafossite from calorimetric measurements, THERMOCHIMICA ACTA, 680, 2019, 178345			
	14	Majee, MK; Bhobe, PA; Nigam, AK, Griffiths phase in antiferromagnetic $CuCr_{0.95}Ti_{0.05}O_2$, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 485, 2019, 112-117			
	15	Kumar, R; Dey, T; Ete, PM; Ramesha, K; Chakraborty, A; Dasgupta, I; Eremina, R; Toth, S; Shahee, A; Kundu, S; Prinz-Zwick, M; Gippius, AA; von Nidda, HAK; Buttgen, N; Gegenwart, P; Mahajan, AV, Structural, thermodynamic, and local probe			

		investigations of the honeycomb material Ag ₃ LiMn ₂ O ₆ , PHYSICAL REVIEW B, 99, 2019, 144429	
16	Albaalbakay, A; Kvashnin, Y; Patte, R; Ledue, D, Analytical and numerical investigations of noncollinear magnetic ordering in the frustrated delafossite CuCrO ₂ , PHYSICAL REVIEW B, 99, 2019, 104415		
17	Xie, L; Zhang, HG; Huang, HL; Lu, YL; Yu, JQ; Li, MH; Tang, XQ; Wang, C, Coexistence of magnetization reversal and exchange bias in Mn-substituted CuCrO ₂ , JOURNAL OF ALLOYS AND COMPOUNDS, 772, 2019, 703-709		
18	Smolnikov, A; Arapova, I; Ogloblichev, V; Piskunov, Y; Sadykov, A; Mikhalev, K; Furukawa, Y; Barilo, S; Shiryayev, S, Cu-63,Cu-65 NMR study of the antiferromagnet CuCrO ₂ , VII EURO-ASIAN SYMPOSIUM TRENDS IN MAGNETISM, 1389, 2019, 12136		
19	Albaalbakay, A; Kvashnin, Y; Patte, R; Fresard, R; Ledue, D, Effects of Ga doping on magnetic and ferroelectric properties of multiferroic delafossite CuCrO ₂ : Ab initio and Monte Carlo approaches, PHYSICAL REVIEW B, 98, 2018, 174403		
20	Wang, YQ; Guo, Q; Zou, YM; Tong, W; Liu, Y; Gong, GS; Su, YL; Yuan, SL; Tian, ZM, Nonmagnetic impurity effect on magnetic correlation in the triangular-lattice antiferromagnet Ba ₃ Mn _{1-x} Zn _x Sb ₂ O ₉ (0 < x < 0.16), EPL, 124, 2018, 27002		
21	Ogloblichev, VV; Smolnikov, AG; Sadykov, AF; Piskunov, YV; Gerashenko, AP; Furukawa, Y; Kumagai, K; Yakubovskiy, AY; Mikhalev, KN; Barilo, SN; Shiryayev, SV; Belozero, AS, O-17 NMR study of the triangular lattice antiferromagnet CuCrO ₂ , JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 458, 2018, 1-9		
22	Gotovko, SK; Soldatov, TA; Svistov, LE; Zhou, HD, Multiferroicity of CuCrO ₂ tested by electron spin resonance, PHYSICAL REVIEW B, 97, 2018, 94425		
23	Fishman, RS; Fernandez-Baca, JA; Room, T, Model non-collinear magnets, SPIN-WAVE THEORY AND ITS APPLICATIONS TO NEUTRON SCATTERING AND THZ SPECTROSCOPY, , 2018,		
24	Majee, MK; Bhoje, PA; Deshpande, UP; Nigam, AK, Local crystal structure and physical properties change of p-type transparent conducting oxide: CuCrO ₂ upon Ti-substitution, JOURNAL OF APPLIED PHYSICS, 122, 2017, 225111		
25	Daou, R; Fresard, R; Eyert, V; Hebert, S; Maignan, A, Unconventional aspects of electronic transport in delafossite oxides, SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS, 18, 2017, 919-938		
26	Albaalbakay, A; Kvashnin, Y; Ledue, D; Patte, R; Fresard, R, Magnetolectric properties of multiferroic CuCrO ₂ studied by means of ab initio calculations and Monte Carlo simulations, PHYSICAL REVIEW B, 96, 2017, 64431		
27	Songvilay, M; Petit, S; Suard, E; Martin, C; Damay, F, Spin dynamics in the distorted triangular lattice antiferromagnet alpha-SrCr ₂ O ₄ , PHYSICAL REVIEW B, 96, 2017, 24416		
28	Shukla, KK; Pal, A; Singh, A; Singh, R; Saha, J; Sinha, AK; Ghosh, AK; Patnaik, S; Awasthi, AM; Chatterjee, S, Hidden transition in multiferroic and magnetodielectric CuCrO ₂ evidenced by ac-susceptibility, EPL, 118, 2017, 27008		
29	Bansal, D; Niedziela, JL; May, AF; Said, A; Ehlers, G; Abernathy, DL; Huq, A; Kirkham, M; Zhou, HD; Delaire, O, Lattice dynamics and thermal transport in multiferroic CuCrO ₂ , PHYSICAL REVIEW B, 95, 2017, 54306		
30	Smolnikov, AG; Ogloblichev, VV; Verkhovskii, SV; Mikhalev, KN; Yakubovskii, AY; Furukawa, Y; Piskunov, YV; Sadykov, AF; Barilo, SN; Shiryayev, SV, Specific features of magnetic order in a multiferroic compound CuCrO ₂ determined using NMR and NQR data for Cu-63,Cu- 65 nuclei, PHYSICS OF METALS AND METALLOGRAPHY, 118, 2017, 134-142		
31	Park, K; Oh, J; Leiner, JC; Jeong, J; Rule, KC; Le, MD; Park, JG, Magnon-phonon coupling and two-magnon continuum in the two-dimensional triangular antiferromagnet CuCrO ₂ , PHYSICAL REVIEW B, 94, 2016, 104421		
32	Sakhratov, YA; Svistov, LE; Kuhns, PL; Zhou, HD; Reyes, AP, Magnetic phases of the quasi-two-dimensional antiferromagnet CuCrO ₂ on a triangular lattice, PHYSICAL REVIEW B, 94, 2016, 94410		
33	Yan, ZR; Qin, MH; Dong, S; Zeng, M; Lu, XB; Gao, XS; Liu, JM, Spin glass state and enhanced spiral phase in doped delafossite oxide CuCrO ₂ , PHYSICAL REVIEW B, 94, 2016, 24410		
34	Pikin, SA, Temperature dependences of the electric polarization and wave number of incommensurate structures in multiferroics, CRYSTALLOGRAPHY REPORTS, 61, 2016, 449-455		
35	Pachoud, E; Damay, F; Martin, C; Mordvinova, NE; Lebedev, OI; Maignan, A, Robustness of Antiferromagnetism and Pyroelectricity in AgCr _{1-x} Rh _x S ₂ , CHEMISTRY OF MATERIALS, 28, 2016, 1816-1822		

36	Ngo, TNM; Palstra, TTM; Blake, GR, Crystallite size dependence of thermoelectric performance of CuCrO ₂ , RSC ADVANCES, 6, 2016, 91171-91178
37	Li, XR; Wang, JY; Zhang, JZ; Li, YW; Hu, ZG; Chu, JH, Spin-manipulated phonon dynamics during magnetic phase transitions in triangular lattice antiferromagnet CuCr _{1-x} Mg _x O ₂ semiconductor films, RSC ADVANCES, 6, 2016, 27136-27142
38	Crepelliere, J; Popa, PL; Bahlawane, N; Leturcq, R; Werner, F; Siebentritt, S; Lenoble, D, Transparent conductive CuCrO ₂ thin films deposited by pulsed injection metal organic chemical vapor deposition: up-scalable process technology for an improved transparency/conductivity trade-off, JOURNAL OF MATERIALS CHEMISTRY C, 4, 2016, 4278-4287
39	Smol'nikov, AG; Ogloblichev, VV; Verkhovalskii, SV; Mikhalev, KN; Yakubovskii, AY; Kumagai, K; Furukawa, Y; Sadykov, AF; Piskunov, YV; Gerashchenko, AP; Barilo, SN; Shiryaev, SV, Cr-53 NMR study of CuCrO ₂ multiferroic, JETP LETTERS, 102, 2015, 674-677
40	Li, RW; Qu, Z; Zhang, YH, Slight Ti-Doping-Induced Strong Time-Dependent Electrical Transport Behavior in CuCr _{1-x} Ti _x O ₂ , JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 98, 2015, 2503-2507
41	Kajimoto, R; Tomiyasu, K; Nakajima, K; Ohira-Kawamura, S; Inamura, Y; Okuda, T, Development of Spin Correlations in the Geometrically Frustrated Triangular-Lattice Heisenberg Antiferromagnet CuCrO ₂ , JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 84, 2015, 74708
42	Barnabe, A; Thimont, Y; Lalanne, M; Presmanes, L; Tailhades, P, p-Type conducting transparent characteristics of delafossite Mg-doped CuCrO ₂ thin films prepared by RF-sputtering, JOURNAL OF MATERIALS CHEMISTRY C, 3, 2015, 6012-6024
43	Tripathi, TS; Niemela, JP; Karppinen, M, Atomic layer deposition of transparent semiconducting oxide CuCrO ₂ thin films, JOURNAL OF MATERIALS CHEMISTRY C, 3, 2015, 8364-8371
44	Marchenko, VI, On antiferromagnetic transition in CuCrO ₂ , JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 119, 2014, 1084-1087
45	Terada, N, Spin and orbital orderings behind multiferroicity in delafossite and related compounds, JOURNAL OF PHYSICS-CONDENSED MATTER, 26, 2014, 453202
46	Sakhratov, YA; Svistov, LE; Kuhns, PL; Zhou, HD; Reyes, AP, Magnetic structure and domain conversion of the quasi-2D frustrated antiferromagnet CuCrO ₂ probed by NMR, JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 119, 2014, 880-890
47	Pikin, SA, Ferroelectricity and antiferroelectricity in CuCrO ₂ -type multiferroic semiconductors, CRYSTALLOGRAPHY REPORTS, 59, 2014, 542-549
48	Lin, SZ; Barros, K; Mun, E; Kim, JW; Frontzek, M; Barilo, S; Shiryaev, SV; Zapf, VS; Batista, CD, Magnetic-field-induced phases in anisotropic triangular antiferromagnets: Application to CuCrO ₂ , PHYSICAL REVIEW B, 89, 2014, 220405
49	Terada, N; Khalyavin, DD; Perez-Mato, JM; Manuel, P; Prabhakaran, D; Daoud-Aladine, A; Radaelli, PG; Suzuki, HS; Kitazawa, H, Magnetic and ferroelectric orderings in multiferroic alpha-NaFeO ₂ , PHYSICAL REVIEW B, 89, 2014, 184421
50	Elkhouni, T; Amami, M; Colin, CV; Ben Salah, A, Structural and magnetoelectric interactions of (Ca, Mg)-doped polycrystalline multiferroic CuFeO ₂ , MATERIALS RESEARCH BULLETIN, 53, 2014, 151-157
51	Takatsu, H; Nenert, G; Kadowaki, H; Yoshizawa, H; Enderle, M; Yonezawa, S; Maeno, Y; Kim, J; Tsuji, N; Takata, M; Zhao, Y; Green, M; Broholm, C, Magnetic structure of the conductive triangular-lattice antiferromagnet PdCrO ₂ , PHYSICAL REVIEW B, 89, 2014, 104408
52	Mun, E; Frontzek, M; Podlesnyak, A; Ehlers, G; Barilo, S; Shiryaev, SV; Zapf, VS, High magnetic field evolution of ferroelectricity in CuCrO ₂ , PHYSICAL REVIEW B, 89, 2014, 54411
53	Meher, KRSP; Martin, C; Caignaert, V; Damay, F; Maignan, A, Multiferroics and Magnetoelectrics: A Comparison between Some Chromites and Cobaltites, CHEMISTRY OF MATERIALS, 26, 2014, 830-836
54	Mirebeau, I; Petit, S, Magnetic frustration probed by inelastic neutron scattering: Recent examples, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 350, 2014, 209-216
55	Aktas, O; Quirion, G; Otani, T; Kimura, T, First-order ferroelastic transition in a magnetoelectric multiferroic: CuCrO ₂ , PHYSICAL REVIEW B, 88, 2013, 224104
56	Ehlers, G; Podlesnyak, AA; Frontzek, M; Freitas, RS; Ghivelder, L; Gardner, JS; Shiryaev, SV; Barilo, S, A detailed study of the magnetic phase transition in CuCrO ₂ , JOURNAL OF PHYSICS-CONDENSED MATTER, 25, 2013,

57	Vasiliev, AM; Prozorova, LA; Svistov, LE; Tsurkan, V; Dziom, V; Shuvaev, A; Pimenov, A; Pimenov, A, ESR of the quasi-two-dimensional antiferromagnet CuCrO ₂ with a triangular lattice, PHYSICAL REVIEW B, 88, 2013, 144403
58	Elkhouni, T; Amami, M; Strobel, P; Ben Salah, A, Structural, Raman Spectroscopy, and Magnetic Ordering in New Delafossite-Type Oxide CuCr _{1-x} Ti _x O ₂ (0 ≤ x ≤ 0.1), JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, 26, 2013, 2795-2802
59	Kumar, S; Singh, K; Miclau, M; Simon, C; Martin, C; Maignan, A, From spin induced ferroelectricity to spin and dipolar glass in a triangular lattice: The CuCr _{1-x} V _x O ₂ (0 ≤ x ≤ 0.5) delafossite, JOURNAL OF SOLID STATE CHEMISTRY, 203, 2013, 37-43
60	Ursu, D; Miclau, M; Grozescu, I, In situ variable temperature X-ray diffraction studies on size scale of CuCrO ₂ polytypes with delafossite structure, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 15, 2013, 768-773
61	Okuda, T; Oozono, S; Kihara, T; Tokunaga, M, Magnetotransport property of the hole-doped delafossite CuCr _{0.97} Mg _{0.03} O ₂ with a Spin-3/2 antiferromagnetic triangular sublattice, JOURNAL OF THE KOREAN PHYSICAL SOCIETY, 62, 2013, 2168-2172
62	Schmidt, M; Wang, Z; Kant, C; Mayr, F; Toth, S; Islam, ATMN; Lake, B; Tsurkan, V; Loidl, A; Deisenhofer, J, Exciton-magnon transitions in the frustrated chromium antiferromagnets CuCrO ₂ , alpha-CaCr ₂ O ₄ , CdCr ₂ O ₄ , and ZnCr ₂ O ₄ , PHYSICAL REVIEW B, 87, 2013, 224424
63	Elkhouni, T; Colin, CV; Strobel, P; Ben Salah, A; Amami, M, Effect of Ga Substitution on the Magnetic State of Delafossite CuCrO ₂ with Antiferromagnetic Triangular Sublattice, JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, 26, 2013, 2125-2134
64	Fujita, T; Kimura, S; Kida, T; Kotetsu, T; Hagiwara, M, High-Field Magnetism of the S = 5/2 Triangular-Lattice Antiferromagnet CuFe _{1-x} Ga _x O ₂ (x=0-0.028), JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 82, 2013, 64712
65	Okuda, T; Miyasaka, S, Power-Law Dependence of Low-Temperature Magnetic Specific Heat for Hole-Doped Delafossite CuCr _{1-x} Mg _x O ₂ , JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 82, 2013, 65001
66	Yokobori, T; Okawa, M; Konishi, K; Takei, R; Katayama, K; Oozono, S; Shinmura, T; Okuda, T; Wadati, H; Sakai, E; Ono, K; Kumigashira, H; Oshima, M; Sugiyama, T; Ikenaga, E; Hamada, N; Saitoh, T, Electronic structure of the hole-doped delafossite oxides CuCr _{1-x} Mg _x O ₂ , PHYSICAL REVIEW B, 87, 2013, 195124
67	Kajimoto, R; Nakajima, K; Ohira-Kawamura, S; Inamura, Y; Kakurai, K; Hokazono, T; Oozono, S; Okuda, T, Effects of Mg, Ag, and Al Substitutions on Magnetic Excitations in the Triangular-Lattice Antiferromagnet CuCrO ₂ , JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 82, 2013, 54702
68	Damay, F; Petit, S; Braendlein, M; Rols, S; Ollivier, J; Martin, C; Maignan, A, Spin dynamics in the unconventional multiferroic AgCrS ₂ , PHYSICAL REVIEW B, 87, 2013, 134413
69	Aoyama, T; Miyake, A; Kagayama, T; Shimizu, K; Kimura, T, Pressure effects on the magnetoelectric properties of a multiferroic triangular-lattice antiferromagnet CuCrO ₂ , PHYSICAL REVIEW B, 87, 2013, 94401
70	Hardy, V; Martin, C; Damay, F; Andre, G, Magnetic couplings in the quasi-2D triangular Heisenberg antiferromagnets alpha-ACr(2)O(4) (A=Ca, Sr, Ba), JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 330, 2013, 111-118
71	Okuda, T; Kajimoto, R; Okawa, M; Saitoh, T, EFFECTS OF HOLE-DOPING AND DISORDER ON THE MAGNETIC STATES OF DELAFOSSITE CuCrO ₂ HAVING A SPIN-3/2 ANTIFERROMAGNETIC TRIANGULAR SUBLATTICE, INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 27, 2013, 1330002
72	Okuda, T; Oozono, S; Kihara, T; Tokunaga, M, Thermal Transport and Magnetotransport Properties of CuCr _{1-x} Mg _x O ₂ with a Spin-3/2 Antiferromagnetic Triangular Lattice, JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 82, 2013, 14706
73	Maignan, A; Martin, C; Singh, K; Simon, C; Lebedev, OI; Turner, S, From spin induced ferroelectricity to dipolar glasses: Spinel chromites and mixed delafossites, JOURNAL OF SOLID STATE CHEMISTRY, 195, 2012, 41-49
74	Pachoud, E; Singh, K; Breard, Y; Martin, C; Andre, G; Hardy, V; Simon, C; Maignan, A, Magnetic dilution and steric effects in the multiferroic delafossite CuCrO ₂ , PHYSICAL REVIEW B, 86, 2012, 54437
75	Jiang, XF; Liu, XF; Wu, YZ; Han, JR, Exchange coupling and helical spin order in the triangular lattice antiferromagnet CuCrO ₂ using first principles, CHINESE PHYSICS B, 21, 2012, 77502

76	Singh, K; Maignan, A; Simon, C; Kumar, S; Martin, C; Lebedev, O; Turner, S; Van Tendeloo, G, Magnetodielectric CuCr _{0.5} V _{0.5} O ₂ : an example of a magnetic and dielectric multiglass, JOURNAL OF PHYSICS-CONDENSED MATTER, 24, 2012, 226002
77	Terashita, H; Cezar, JC; Ardito, FM; Bufaical, LF; Granado, E, Element-specific and bulk magnetism, electronic, and crystal structures of La _{0.70} Ca _{0.30} Mn _{1-x} Cr _x O ₃ , PHYSICAL REVIEW B, 85, 2012, 104401
78	Kumar, S; Marinell, S; Miclau, M; Martin, C, Fast synthesis of CuCrO ₂ delafossite by monomode microwave heating, MATERIALS LETTERS, 70, 2012, 40-43
79	Aktas, O; Truong, KD; Otani, T; Balakrishnan, G; Clouter, MJ; Kimura, T; Quirion, G, Raman scattering study of delafossite magnetoelectric multiferroic compounds: CuFeO ₂ and CuCrO ₂ , JOURNAL OF PHYSICS-CONDENSED MATTER, 24, 2012, 36003
80	Fishman, RS, Quantum spin fluctuations for a distorted incommensurate spiral, PHYSICAL REVIEW B, 85, 2012, 24411
81	Barton, PT; Seshadri, R; Knoller, A; Rosseinsky, MJ, Structural and magnetic characterization of the complete delafossite solid solution (CuAlO ₂) _(1-x) (CuCrO ₂) _x , JOURNAL OF PHYSICS-CONDENSED MATTER, 24, 2012, 16002
82	Frontzek, M; Ehlers, G; Podlesnyak, A; Cao, H; Matsuda, M; Zaharko, O; Aliouane, N; Barilo, S; Shiryayev, SV, Magnetic structure of CuCrO ₂ : a single crystal neutron diffraction study, JOURNAL OF PHYSICS-CONDENSED MATTER, 24, 2012, 16004
83	Kajimoto, R; Nakajima, K; Ohira-Kawamura, S; Inamura, Y; Kakurai, K; Arai, M; Hokazono, T; Oozono, S; Okuda, T, Neutron scattering study of Ag, Mg and Al substitution effects on the magnetic excitations in CuCrO ₂ , 26TH INTERNATIONAL CONFERENCE ON LOW TEMPERATURE PHYSICS (LT26), PTS 1-5, 400, 2012, 32034
84	Okuda, T; Oozono, S; Hokazono, T; Uto, K; Fujii, Y; Beppu, Y; Seki, S; Onose, Y; Tokura, Y; Kajimoto, R; Matsuda, M, Substitution Effect on the Magnetic State of Delafossite CuCrO ₂ Having a Spin-3/2 Antiferromagnetic Triangular Sublattice, 26TH INTERNATIONAL CONFERENCE ON LOW TEMPERATURE PHYSICS (LT26), PTS 1-5, 400, 2012, 32072
85	Kimura, T, Magnetolectric Hexaferrites, ANNUAL REVIEW OF CONDENSED MATTER PHYSICS, VOL 3, 3, 2012, 93-110
86	Ter-Oganesian, NV, Dielectric and Magnetic Properties of Magnetolectric Delafossites, FERROELECTRICS, 438, 2012, 101-106
87	Frontzek, M; Haraldsen, JT; Podlesnyak, A; Matsuda, M; Christianson, AD; Fishman, RS; Sefat, AS; Qiu, Y; Copley, JRD; Barilo, S; Shiryayev, SV; Ehlers, G, Magnetic excitations in the geometric frustrated multiferroic CuCrO ₂ , PHYSICAL REVIEW B, 84, 2011, 94448
88	Le, TK; Flahaut, D; Martinez, H; Andreu, N; Gonbeau, D; Pachoud, E; Pelloquin, D; Maignan, A, The electronic structure of the CuRh _{1-x} Mg _x O ₂ thermoelectric materials: An X-ray photoelectron spectroscopy study, JOURNAL OF SOLID STATE CHEMISTRY, 184, 2011, 2387-2392
89	Singh, K; Simon, C; Toledano, P, Multiferroicity and magnetoelectric coupling in alpha-CaCr ₂ O ₄ , PHYSICAL REVIEW B, 84, 2011, 64129
90	Fishman, RS, Quantum spin fluctuations and ellipticity for a triangular-lattice antiferromagnet, PHYSICAL REVIEW B, 84, 2011, 52405
91	Lopes, AML; Oliveira, GNP; Mendonca, TM; Moreira, JA; Almeida, A; Araujo, JP; Amaral, VS; Correia, JG, Local distortions in multiferroic AgCrO ₂ triangular spin lattice, PHYSICAL REVIEW B, 84, 2011, 14434
92	Okuda, T; Takeshita, N, Pressure Effect on the Transport and Magnetic Properties for the Hole-Doped Delafossite Oxide CuCr _{0.97} Mg _{0.03} O ₂ Having an S=3/2 Antiferromagnetic Triangular Sublattice, JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 80, 2011, 74711
93	Dutton, SE; Climent-Pascual, E; Stephens, PW; Hodges, JP; Huq, A; Broholm, CL; Cava, RJ, Helical magnetism and structural anomalies in triangular lattice alpha-SrCr ₂ O ₄ , JOURNAL OF PHYSICS-CONDENSED MATTER, 23, 2011, 246005
94	Yamaguchi, H; Kimura, S; Ishii, R; Nakatsuji, S; Hagiwara, M, Electron Spin Resonance in the Quasi-Two-Dimensional Triangular-Lattice Antiferromagnet Rb ₄ Mn(MoO ₄) ₃ , JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 80, 2011, 64705
95	Damay, F; Martin, C; Hardy, V; Andre, G; Petit, S; Maignan, A, Magnetoelastic coupling and unconventional magnetic ordering in the multiferroic triangular lattice AgCrS ₂ , PHYSICAL REVIEW B, 83, 2011, 184413

	96	Singh, K; Maignan, A; Simon, C; Hardy, V; Pachoud, E; Martin, C, The spin glass delafossite CuFe _{0.5} V _{0.5} O ₂ : a dipolar glass?, JOURNAL OF PHYSICS-CONDENSED MATTER, 23, 2011, 126005			
	97	Li, RW; Qu, Z; Tong, W; Zhang, YH, Spin dynamics in triangular-lattice antiferromagnets CuCr _{1-x} MgxO ₂ , EPL, 93, 2011, 37004			
	98	Chapon, LC; Manuel, P; Damay, F; Toledano, P; Hardy, V; Martin, C, Helical magnetic state in the distorted triangular lattice of alpha-CaCr ₂ O ₄ , PHYSICAL REVIEW B, 83, 2011, 24409			
	99	Kawamura, H, Z(2)-vortex order of frustrated Heisenberg antiferromagnets in two dimensions, INTERNATIONAL CONFERENCE ON FRUSTRATION IN CONDENSED MATTER (ICFCM), 320, 2011, 12002			
	100	Scanlon, DO; Watson, GW, Understanding the p-type defect chemistry of CuCrO ₂ , JOURNAL OF MATERIALS CHEMISTRY, 21, 2011, 3655-3663			
	101	Okuda, T; Uto, K; Seki, S; Onose, Y; Tokura, Y; Kajimoto, R; Matsuda, M, Effect of Spin Dilution on the Magnetic State of Delafossite CuCrO ₂ with an S=3/2 Antiferromagnetic Triangular Sublattice, JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 80, 2011, 14711			
	102	Kajimoto, R; Nakajima, K; Ohira-Kawamura, S; Inamura, Y; Kakurai, K; Arai, M; Hokazono, T; Oozono, S; Okuda, T, Temperature and Ag Doping Effect on Magnetic Excitations in the Quasi-Two-Dimensional Triangular Lattice Antiferromagnet CuCrO ₂ Studied by Inelastic Neutron Scattering, JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 79, 2010, 123705			
	103	Soda, M; Kimura, K; Kimura, T; Hirota, K, Domain rearrangement and spin-spiral-plane flop as sources of magnetoelectric effects in delafossite CuCrO ₂ , PHYSICAL REVIEW B, 81, 2010, 100406			
	104	Scanlon, DO; Godinho, KG; Morgan, BJ; Watson, GW, Understanding conductivity anomalies in Cu-I-based delafossite transparent conducting oxides: Theoretical insights, JOURNAL OF CHEMICAL PHYSICS, 132, 2010, 24707			
	105	Yamaguchi, H; Ohtomo, S; Kimura, S; Hagiwara, M; Kimura, K; Kimura, T; Okuda, T; Kindo, K, Spiral-plane flop probed by ESR in the multiferroic triangular-lattice antiferromagnet CuCrO ₂ , PHYSICAL REVIEW B, 81, 2010, 33104			
	106	Soda, M; Kimura, K; Kimura, T; Matsuura, M; Hirota, K, Electric Control of Spin Helicity in Multiferroic Triangular Lattice Antiferromagnet CuCrO ₂ with Proper-Screw Order, JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 78, 2009, 124703			
	107	Shin, D; Foord, JS; Payne, DJ; Arnold, T; Aston, DJ; Egdel, RG; Godinho, KG; Scanlon, DO; Morgan, BJ; Watson, GW; Mugnier, E; Yaicle, C; Rougier, A; Colakerol, L; Glans, PA; Piper, LFJ; Smith, KE, Comparative study of bandwidths in copper delafossites from x-ray emission spectroscopy, PHYSICAL REVIEW B, 80, 2009, 233105			
	108	Kimura, K; Otani, T; Nakamura, H; Wakabayashi, Y; Kimura, T, Lattice Distortion Coupled with Magnetic Ordering in a Triangular Lattice Antiferromagnet CuCrO ₂ , JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 78, 2009, 113710			
	109	Kimura, K; Nakamura, H; Kimura, S; Hagiwara, M; Kimura, T, Tuning Ferroelectric Polarization Reversal by Electric and Magnetic Fields in CuCrO ₂ , PHYSICAL REVIEW LETTERS, 103, 2009, 107201			
2.		A. Maignan, C. Martin, D. Pelloquin, E. Guilmeau, R. Frésard, V. Eyert, and M. Poienar, “On the strong impact of doping in the triangular antiferromagnet CuCrO₂” Solid State Commun. 149, 962-967 (2009)	62	6	10.333
	1	Moreira, M; Afonso, J; Crepellere, J; Lenoble, D; Lunca-Popa, P, A review on the p-type transparent Cu-Cr-O delafossite materials, JOURNAL OF MATERIALS SCIENCE, 57, 2022, 3114-3142			
	2	Tang, YY; Hu, YD; Li, Y; Wu, HR; Chen, LW; Yu, L, Research on grain composition, grain size and electrical conductivity of the CuCr _{1-x} MgxO ₂ (0 ≤ x ≤ 0.08), JOURNAL OF CERAMIC PROCESSING RESEARCH, 22, 2021, 543-546			
	3	Schorne-Pinto, J; Chartrand, P; Barnabe, A; Cassayre, L, Thermodynamic and Structural Properties of CuCrO ₂ and CuCr ₂ O ₄ : Experimental Investigation and Phase Equilibria Modeling of the Cu-Cr-O System, JOURNAL OF PHYSICAL CHEMISTRY C, 125, 2021, 15069-15084			
	4	Liu, H; Zhu, WH; Ding, XW; Huang, YZ; Bo, ML, Abnormal Deviation of Temperature-Resistivity Correlation for Nanostructured Delafossite CuCrO ₂ Due to Local Reconfiguration, JOURNAL OF PHYSICAL CHEMISTRY C, 124, 2020, 28555-28561			
	5	Hoang, DV; Pham, ATT; Ta, HKT; Nguyen, TH; Pham, NK; Hoa, LT; Tran, VC; Michitaka, O; Tran, QMN; Park, JH; Lee, JK; Park, SD; Ju, TS; Park, H; Park, S; Phan, TB, Effects of multi-scale defects on the thermoelectric properties of delafossite			

		CuCr _{1-x} Mg _x O ₂ materials, JOURNAL OF ALLOYS AND COMPOUNDS, 844, 2020, 156119	
6		Shook, J; Borges, PD; Geerts, WJ; Scolfaro, LM, Evaluation of Ni doping for promoting favorable electronic structures in CuCrO ₂ and AgCrO ₂ from a first-principles perspective, CERAMICS INTERNATIONAL, 46, 2020, 26777-26783	
7		Tang, YY; Qin, M; Hu, YD; Cui, K; Zeng, JH; Chen, LW; Yu, L, Solid solubility of Mg and enhanced electrical conduction in the C-axis orientation of CuCr _{1-x} Mg _x O ₂ polycrystals, JOURNAL OF ASIAN CERAMIC SOCIETIES, 8, 2020, 537-541	
8		Manickam, R; Yesuraj, J; Biswas, K, Doped CuCrO ₂ : A possible material for supercapacitor applications, MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, 109, 2020, 104928	
9		Tripon, C; Dadarlat, D; Kovacs, K; Tosa, VP; Franko, M, Thermal Effusivity Investigations of Solid Thermoelectrics Using the Front Photopyroelectric Detection, INTERNATIONAL JOURNAL OF THERMOPHYSICS, 41, 2020,	
10		Jantrasee, S; Ruttanapun, C, Impact of Sn ⁴⁺ Substitution at Cr ³⁺ Sites on Thermoelectric and Electronic Properties of p-Type Delafossite CuCrO ₂ , JOURNAL OF ELECTRONIC MATERIALS, 49, 2020, 601-610	
11		Schorne-Pinto, J; Janghorban, A; Lomello-Tafin, M; Pisch, A; Mikaelian, G; Benigni, P; Barnabe, A; Cassayre, L, Assessment of thermodynamic data for CuCrO ₂ delafossite from calorimetric measurements, THERMOCHIMICA ACTA, 680, 2019, 178345	
12		Shook, J; Borges, PD; Scolfaro, LM; Geerts, WJ, Effects of vacancies and p-doping on the optoelectronic properties of Cu- and Ag-based transparent conducting oxides, JOURNAL OF APPLIED PHYSICS, 126, 2019, 75702	
13		Takahashi, K; Kato, R; Okawa, M; Okuda, T; Yasui, A; Ikenaga, E; Ono, K; Hamada, N; Saitoh, T, Electronic Structure of a Delafossite Oxide CuAlO ₂ in Comparison with CuCrO ₂ , JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 88, 2019, 74701	
14		Kumar, R; Dey, T; Ette, PM; Ramesha, K; Chakraborty, A; Dasgupta, I; Eremina, R; Toth, S; Shahee, A; Kundu, S; Prinz-Zwick, M; Gippius, AA; von Nidda, HAK; Buttgen, N; Gegenwart, P; Mahajan, AV, Structural, thermodynamic, and local probe investigations of the honeycomb material Ag ₃ LiMn ₂ O ₆ , PHYSICAL REVIEW B, 99, 2019, 144429	
15		Madre, MA; Torres, MA; Gomez, JA; Diez, JC; Sotelo, A, Effect of alkaline earth dopant on density, mechanical, and electrical properties of Cu(0.97)AE(0.03)CrO(2) (AE = Mg, Ca, Sr, and Ba) delafossite oxide, JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, 55, 2019, 257-263	
16		Albaalbaky, A; Kvashnin, Y; Patte, R; Fresard, R; Ledue, D, Effects of Ga doping on magnetic and ferroelectric properties of multiferroic delafossite CuCrO ₂ : Ab initio and Monte Carlo approaches, PHYSICAL REVIEW B, 98, 2018, 174403	
17		Kim, SY; Lee, JH; Kim, JJ; Heo, YW, Effect of Ni doping on the structural, electrical, and optical properties of transparent CuCrO ₂ films grown using pulsed laser deposition, CERAMICS INTERNATIONAL, 44, 2018, 17743-17748	
18		Sinnarasa, I; Thimont, Y; Presmanes, L; Bonningue, C; Barnabe, A; Tailhades, P, Influence of thickness and microstructure on thermoelectric properties of Mg-doped CuCrO ₂ delafossite thin films deposited by RF-magnetron sputtering, APPLIED SURFACE SCIENCE, 455, 2018, 244-250	
19		Kaya, IC; Akyildiz, H, Production and Characterization of Magnesium-Doped Copper Chromite Fibers, PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, 215, 2018, 1700795	
20		Tripon, C; Dadarlat, D; Bourges, C; Lemoine, P; Guilmeau, E, Photothermoelectric (PTE) characterization of CuCrO ₂ and Cu ₄ Sn ₇ S ₁₆ thermoelectric materials, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 131, 2018, 3151-3156	
21		Daou, R; Fresard, R; Eyert, V; Hebert, S; Maignan, A, Unconventional aspects of electronic transport in delafossite oxides, SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS, 18, 2017, 919-938	
22		Albaalbaky, A; Kvashnin, Y; Ledue, D; Patte, R; Fresard, R, Magnetolectric properties of multiferroic CuCrO ₂ studied by means of ab initio calculations and Monte Carlo simulations, PHYSICAL REVIEW B, 96, 2017, 64431	
23		Sinnarasa, I; Thimont, Y; Presmanes, L; Barnabe, A; Tailhades, P, Thermoelectric and Transport Properties of Delafossite CuCrO ₂ : Mg Thin Films Prepared by RF Magnetron Sputtering, NANOMATERIALS, 7, 2017, 157	
24		Tripathi, TS; Karppinen, M, Enhanced p-Type Transparent Semiconducting Characteristics for ALD-Grown Mg-Substituted CuCrO ₂ Thin Films, ADVANCED ELECTRONIC MATERIALS, 3, 2017, 1600341	

25	Sun, H; Yazdi, MAP; Ducros, C; Chen, SC; Aubry, E; Wen, CK; Hsieh, JH; Sanchette, F; Billard, A, Thickness-dependent optoelectronic properties of CuCr _{0.93} Mg _{0.07} O ₂ thin films deposited by reactive magnetron sputtering, MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, 63, 2017, 295-302
26	Daniel, U; Anamaria, D; Sebarchievici, I; Miclau, M, Photovoltaic performance of Co-doped CuCrO ₂ for p-type dye-sensitized solar cells application, SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT, EENVIRO 2016, 112, 2017, 497-503
27	Sun, H; Yazdi, MAP; Sanchette, F; Billard, A, Optoelectronic properties of delafossite structure CuCr _{0.93} Mg _{0.07} O ₂ sputter deposited coatings, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 49, 2016, 185105
28	Asemi, M; Ghanaatshoar, M, Conductivity improvement of CuCrO ₂ nanoparticles by Zn doping and their application in solid-state dye-sensitized solar cells, CERAMICS INTERNATIONAL, 42, 2016, 6664-6672
29	Kaya, IC; Sevindik, MA; Akyildiz, H, Characteristics of Fe- and Mg-doped CuCrO ₂ nanocrystals prepared by hydrothermal synthesis, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 27, 2016, 2404-2411
30	Ngo, TNM; Palstra, TTM; Blake, GR, Crystallite size dependence of thermoelectric performance of CuCrO ₂ , RSC ADVANCES, 6, 2016, 91171-91178
31	Crepelliere, J; Popa, PL; Bahlawane, N; Leturcq, R; Werner, F; Siebentritt, S; Lenoble, D, Transparent conductive CuCrO ₂ thin films deposited by pulsed injection metal organic chemical vapor deposition: up-scalable process technology for an improved transparency/conductivity trade-off, JOURNAL OF MATERIALS CHEMISTRY C, 4, 2016, 4278-4287
32	Ruttanapun, C; Maensiri, S, Effects of spin entropy and lattice strain from mixed-trivalent Fe ³⁺ /Cr ³⁺ on the electronic, thermoelectric and optical properties of delafossite CuFe _{1-x} Cr _x O ₂ (x=0.25, 0.5, 0.75), JOURNAL OF PHYSICS D-APPLIED PHYSICS, 48, 2015, 495103
33	Li, RW; Qu, Z; Zhang, YH, Slight Ti-Doping-Induced Strong Time-Dependent Electrical Transport Behavior in CuCr _{1-x} Ti _x O ₂ , JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 98, 2015, 2503-2507
34	Barnabe, A; Thimont, Y; Lalanne, M; Presmanes, L; Tailhades, P, p-Type conducting transparent characteristics of delafossite Mg-doped CuCrO ₂ thin films prepared by RF-sputtering, JOURNAL OF MATERIALS CHEMISTRY C, 3, 2015, 6012-6024
35	Pikin, SA, Ferroelectricity and antiferroelectricity in CuCrO ₂ -type multiferroic semiconductors, CRYSTALLOGRAPHY REPORTS, 59, 2014, 542-549
36	Yokobori, T; Okawa, M; Konishi, K; Takei, R; Katayama, K; Oozono, S; Shinmura, T; Okuda, T; Wadati, H; Sakai, E; Ono, K; Kumigashira, H; Oshima, M; Sugiyama, T; Ikenaga, E; Hamada, N; Saitoh, T, Electronic structure of the hole-doped delafossite oxides CuCr _{1-x} Mg _x O ₂ , PHYSICAL REVIEW B, 87, 2013, 195124
37	Okuda, T; Kajimoto, R; Okawa, M; Saitoh, T, EFFECTS OF HOLE-DOPING AND DISORDER ON THE MAGNETIC STATES OF DELAFOSSITE CuCrO ₂ HAVING A SPIN-3/2 ANTIFERROMAGNETIC TRIANGULAR SUBLATTICE, INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 27, 2013, 1330002
38	Singh, SB; Yang, LT; Wang, YF; Shao, YC; Chiang, CW; Chiou, JW; Lin, KT; Chen, SC; Wang, BY; Chuang, CH; Ling, DC; Pong, WF; Tsai, MH; Tsai, HM; Pao, CW; Shiu, HW; Chen, CH; Lin, HJ; Lee, JF; Yamane, H; Kosugi, N, Correlation between p-type conductivity and electronic structure of Cr-deficient CuCr _{1-x} O ₂ (x = 0-0.1), PHYSICAL REVIEW B, 86, 2012, 241103
39	Pachoud, E; Singh, K; Breard, Y; Martin, C; Andre, G; Hardy, V; Simon, C; Maignan, A, Magnetic dilution and steric effects in the multiferroic delafossite CuCrO ₂ , PHYSICAL REVIEW B, 86, 2012, 54437
40	Jiang, XF; Liu, XF; Wu, YZ; Han, JR, Exchange coupling and helical spin order in the triangular lattice antiferromagnet CuCrO ₂ using first principles, CHINESE PHYSICS B, 21, 2012, 77502
41	Fresard, R; Kopp, T, Exact results with the Kotliar-Ruckenstein slave-boson representation, ANNALEN DER PHYSIK, 524, 2012, 175-181
42	Kumar, S; Marinel, S; Miclau, M; Martin, C, Fast synthesis of CuCrO ₂ delafossite by monomode microwave heating, MATERIALS LETTERS, 70, 2012, 40-43
43	Oles, AM, The apparent Fermi liquid concept helps to understand thermoelectric materials, ANNALEN DER PHYSIK, 524, 2012, A33-A34
44	Kremer, S; Fresard, R, Thermoelectric transport properties of an apparent Fermi liquid: Relation to an analytic anomaly in the density of states and application to hole-doped delafossites, ANNALEN DER PHYSIK, 524, 2012, 21-36

	45	Guilmeau, E; Poienar, M; Kremer, S; Marinel, S; Hebert, S; Fresard, R; Maignan, A, Mg substitution in CuCrO2 delafossite compounds, SOLID STATE COMMUNICATIONS, 151, 2011, 1798-1801			
	46	Casas-Cabanas, M; Fresard, M; Luders, U; Fresard, R; Schuster, C; Schwingenschlogl, U, Narrow in-gap states in doped Al2O3, CHEMICAL PHYSICS LETTERS, 515, 2011, 29-31			
	47	Carlsson, SJE; Rouse, G; Yamada, I; Kuriki, H; Takahashi, R; Levy-Bertrand, F; Girit, G; Gauzzi, A, Suppression of geometric frustration by magnetoelastic coupling in AuCrS2, PHYSICAL REVIEW B, 84, 2011, 94455			
	48	Le, TK; Flahaut, D; Martinez, H; Andreu, N; Gonbeau, D; Pachoud, E; Pelloquin, D; Maignan, A, The electronic structure of the CuRh1-xMgxO2 thermoelectric materials: An X-ray photoelectron spectroscopy study, JOURNAL OF SOLID STATE CHEMISTRY, 184, 2011, 2387-2392			
	49	Godinho, KG; Morgan, BJ; Allen, JP; Scanlon, DO; Watson, GW, Chemical bonding in copper-based transparent conducting oxides: CuMO2 (M = In, Ga, Sc), JOURNAL OF PHYSICS-CONDENSED MATTER, 23, 2011, 334201			
	50	Jlail, F; Amami, M; Boudjada, N; Strobel, P; Ben Salah, A, Metal transition doping effect on the structural and physical properties of delafossite-type oxide CuCrO2, JOURNAL OF ALLOYS AND COMPOUNDS, 509, 2011, 7784-7788			
	51	Wang, YF; Gu, YJ; Wang, T; Shi, WZ, Structural, optical and electrical properties of Mg-doped CuCrO2 thin films by sol-gel processing, JOURNAL OF ALLOYS AND COMPOUNDS, 509, 2011, 5897-5902			
	52	Todorova, V; Leineweber, A; Kienle, L; Duppel, V; Jansen, M, On AgRhO2, and the new quaternary delafossites AgLi1/3M2/3O2, syntheses and analyses of real structures, JOURNAL OF SOLID STATE CHEMISTRY, 184, 2011, 1112-1119			
	53	Ling, DC; Chiang, CW; Wang, YF; Lee, YJ; Yeh, PH, Effect of Cr deficiency on physical properties of triangular-lattice antiferromagnets CuCr1-xO2 (0 <= x <= 0.10), JOURNAL OF APPLIED PHYSICS, 109, 2011, 07D908			
	54	Singh, K; Maignan, A; Simon, C; Hardy, V; Pachoud, E; Martin, C, The spin glass delafossite CuFe0.5V0.5O2: a dipolar glass?, JOURNAL OF PHYSICS-CONDENSED MATTER, 23, 2011, 126005			
	55	Jiang, HF; Zhu, XB; Lei, HC; Li, G; Yang, ZR; Song, WH; Dai, JM; Sun, YP; Fu, YK, Effects of Mg substitution on the structural, optical, and electrical properties of CuAlO2 thin films, JOURNAL OF ALLOYS AND COMPOUNDS, 509, 2011, 1768-1773			
	56	Li, RW; Qu, Z; Tong, W; Zhang, YH, Spin dynamics in triangular-lattice antiferromagnets CuCr1-xMgxO2, EPL, 93, 2011, 37004			
	57	Jiang, HF; Zhu, XB; Lei, HC; Li, G; Yang, ZR; Song, WH; Dai, JM; Sun, YP; Fu, YK, Effect of Cr doping on the optical-electrical property of CuAlO2 thin films derived by chemical solution deposition, THIN SOLID FILMS, 519, 2011, 2559-2563			
	58	Scanlon, DO; Watson, GW, Understanding the p-type defect chemistry of CuCrO2, JOURNAL OF MATERIALS CHEMISTRY, 21, 2011, 3655-3663			
	59	Scanlon, DO; Godinho, KG; Morgan, BJ; Watson, GW, Understanding conductivity anomalies in Cu-I-based delafossite transparent conducting oxides: Theoretical insights, JOURNAL OF CHEMICAL PHYSICS, 132, 2010, 24707			
	60	Singh, K; Maignan, A; Martin, C; Simon, C, AgCrS2: A Spin Driven Ferroelectric, CHEMISTRY OF MATERIALS, 21, 2009, 5007-5009			
	61	Maignan, A; Eyert, V; Martin, C; Kremer, S; Fresard, R; Pelloquin, D, Electronic structure and thermoelectric properties of CuRh1-xMgxO2, PHYSICAL REVIEW B, 80, 2009, 115103			
	62	Guilmeau, E; Maignan, A; Martin, C, Thermoelectric Oxides: Effect of Doping in Delafossites and Zinc Oxide, JOURNAL OF ELECTRONIC MATERIALS, 38, 2009, 1104-1108			
3		F. Damay, M. Poienar, C. Martin, A. Maignan, J. Rodriguez-Carvajal, G. André and J.P. Doumerc, "Spin-lattice coupling induced phase transition in S = 2 frustrated antiferromagnet CuMnO2" Phys. Rev. B 80, 094410 (2009)	37	6	6.166
	1	Fu, SX; Liang, B; Li, Y; Lai, SY; Li, LP; Feng, T; Li, GS, Layered Cu1-zMn1+zO2 Crednerite: Mapping the Phase Stabilization Region via Precise Compositional Control for Optimum Supercapacitor Performance, INORGANIC CHEMISTRY, 61, 2022, 2576-2586			
	2	Lawler, KV; Smith, D; Evans, SR; dos Santos, AM; Molaison, JJ; Bos, JW; Mutka, H; Henry, PF; Argyriou, DN; Salamat, A; Kimber, SAJ, Decoupling Lattice and Magnetic Instabilities in Frustrated CuMnO2, INORGANIC CHEMISTRY, 60, 2021, 6004-6015			
	3	Matsubara, N; Nocerino, E; Kamazawa, K; Forslund, OK; Sassa, Y; Keller, L; Sikolenko, VV; Pomjakushin, V; Sakurai, H; Sugiyama, J; Mansson, M, Neutron			

		powder diffraction study of NaMn2O4 and Li0.92Mn2O4: Insights on spin-charge-orbital ordering, PHYSICAL REVIEW RESEARCH, 2, 2020, 43143	
4	Kimber, SAJ; Wildes, AR; Mutka, H; Bos, JWG; Argyriou, DN, Spin-chain correlations in the frustrated triangular lattice material CuMnO2, JOURNAL OF PHYSICS-CONDENSED MATTER, 32, 2020, 445802		
5	Levy, D; Greenberg, E; Layek, S; Pasternak, MP; Kantor, I; Pascarelli, S; Marini, C; Konopkova, Z; Rozenberg, GK, High-pressure structural and electronic properties of CuMO2 (M = Cr, Mn) delafossite-type oxides, PHYSICAL REVIEW B, 101, 2020, 245121		
6	Santiago, AAG; Tranquilin, RL; Oliveira, MC; Ribeiro, RAP; de Lazaro, SR; Correa, MA; Bohn, F; Longo, E; Motta, FV; Bomio, MRD, Disclosing the Structural, Electronic, Magnetic, and Morphological Properties of CuMnO2: A Unified Experimental and Theoretical Approach, JOURNAL OF PHYSICAL CHEMISTRY C, 124, 2020, 5378-5388		
7	Vasilchikova, T; Nalbandyan, V; Shukaev, I; Koo, HJ; Whangbo, MH; Lozitskiy, A; Bogaychuk, A; Kuzmin, V; Tagirov, M; Vavilova, E; Vasiliev, A; Zvereva, E, Peculiarities of magnetic ordering in the S=5/2 two-dimensional square-lattice antimonate NaMnSbO4, PHYSICAL REVIEW B, 101, 2020, 54435		
8	Frandsen, BA; Bozin, ES; Aza, E; Martinez, AF; Feyngenson, M; Page, K; Lappas, A, Nanoscale degeneracy lifting in a geometrically frustrated antiferromagnet, PHYSICAL REVIEW B, 101, 2020, 24423		
9	Songvilay, M; Petit, S; Koza, M; Rols, S; Suard, E; Skumryev, V; Martin, C; Damay, F, Disorder and magnetic excitations in CaCr _x Fe _{2-x} O ₄ (x=0, 0.5), PHYSICAL REVIEW B, 101, 2020, 14407		
10	Matsubara, N; Martin, C; Vertruyen, B; Maignan, A; Fauth, F; Manuel, P; Hardy, V; Khalyavin, D; Elkaim, E; Damay, F, Mn ₂ TeO ₆ : Complex antiferromagnetism as a consequence of the Jahn-Teller distortion, PHYSICAL REVIEW B, 100, 2019, 14409		
11	Horton, MK; Montoya, JH; Liu, M; Persson, KA, High-throughput prediction of the ground-state collinear magnetic order of inorganic materials using Density Functional Theory, NPJ COMPUTATIONAL MATERIALS, 5, 2019, 2		
12	Fu, SX; Li, LP; Jing, YC; Zhang, YL; Wang, XY; Fang, SF; Wang, JH; Li, GS, Crystal Growth of Bimetallic Oxides CuMnO ₂ with Tailored Valence States for Optimum Electrochemical Energy Storage, CRYSTAL GROWTH & DESIGN, 18, 2018, 6107-6116		
13	Malaescu, I; Lungu, A; Marin, CN; Sfirloaga, P; Vlazan, P; Brindusoiu, S; Poienar, M, Temperature dependence of the dynamic electrical properties of Cu _{1+x} Mn _{1-x} O ₂ (x=0 and 0.06) crednerite materials, CERAMICS INTERNATIONAL, 44, 2018, 11610-11616		
14	Stimpson, LJV; Rodriguez, EE; Brown, CM; Stenning, GBG; Jura, M; Arnold, DC, Magnetic ordering in a frustrated bow-tie lattice, JOURNAL OF MATERIALS CHEMISTRY C, 6, 2018, 4541-4548		
15	Inosov, DS, Quantum magnetism in minerals, ADVANCES IN PHYSICS, 67, 2018, 149-252		
16	Stimpson, LJV; Ramos, S; Stenning, GBG; Jura, M; Parry, S; Cibir, G; Arnold, DC, Investigation of the role of morphology on the magnetic properties of Ca ₂ Mn ₃ O ₈ materials, DALTON TRANSACTIONS, 46, 2017, 14130-14138		
17	Wang, L; Arif, M; Duan, GR; Chen, SM; Liu, XH, A high performance quasi-solid-state supercapacitor based on CuMnO ₂ nanoparticles, JOURNAL OF POWER SOURCES, 355, 2017, 53-61		
18	Shukla, KK; Singh, R; Kumar, A; Ghosh, AK; Chatterjee, S, Griffith-like phase in Crednerite CuMnO ₂ , MATERIALS RESEARCH BULLETIN, 91, 2017, 135-139		
19	Minelli, A; Dolcet, P; Diodati, S; Gardonio, S; Innocenti, C; Badocco, D; Gialanella, S; Pastore, P; Pandolfo, L; Caneschi, A; Trapananti, A; Gross, S, Pursuing the stabilisation of crystalline nanostructured magnetic manganites through a green low temperature hydrothermal synthesis, JOURNAL OF MATERIALS CHEMISTRY C, 5, 2017, 3359-3371		
20	Gallego, SV; Perez-Mato, JM; Elcoro, L; Tasci, ES; Hanson, RM; Momma, K; Aroyo, MI; Madariaga, G, MAGNDATA: towards a database of magnetic structures. I. The commensurate case, JOURNAL OF APPLIED CRYSTALLOGRAPHY, 49, 2016, 1750-1776		
21	Elkhouni, T; Amami, M; Hlil, EK; Ben Salah, A, The Structural and Magnetic Properties of CuRh _{1-x} Mn _x O ₂ (0 a parts per thousand currency sign x a parts per thousand currency sign 0.1) Delafossite Oxide, JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, 29, 2016, 547-555		

	22	Kimura, S; Sawada, Y; Narumi, Y; Watanabe, K; Hagiwara, M; Kindo, K; Ueda, H, Evolution of exchange interaction constants across magnetic phase transitions in the chromium spinel oxide CdCr ₂ O ₄ , PHYSICAL REVIEW B, 92, 2015, 144410			
	23	Hammad, AH; Abdel-Hameed, SAM; Margha, FH, Effects of crystallization and microstructure on the dc electrical conductivity in the system xCuO-(70-x) MnO-30SiO(2), JOURNAL OF ALLOYS AND COMPOUNDS, 627, 2015, 423-429			
	24	Zorko, A; Kokalj, J; Komelj, M; Adamopoulos, O; Luetkens, H; Arcon, D; Lappas, A, Magnetic inhomogeneity on a triangular lattice: the magnetic-exchange versus the elastic energy and the role of disorder, SCIENTIFIC REPORTS, 5, 2015, 9272			
	25	Larson, AM; Moetakef, P; Gaskell, K; Brown, CM; King, G; Rodriguez, EE, Inducing Ferrimagnetism in Insulating Hollandite Ba _{1.2} Mn ₈ O ₁₆ , CHEMISTRY OF MATERIALS, 27, 2015, 515-525			
	26	Shukla, KK; Shahi, P; Gopal, S; Kumar, A; Ghosh, AK; Singh, R; Sharma, N; Das, A; Sinha, AK; Joshi, AG; Nigam, AK; Chatterjee, S, Magnetic and optical properties of Fe doped crednerite CuMnO ₂ , RSC ADVANCES, 5, 2015, 83504-83511			
	27	Kurokawa, A; Yanoh, T; Yano, S; Ichianagi, Y, Preparation and Magnetic Properties of Multiferroic CuMnO ₂ Nanoparticles, JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 14, 2014, 2553-2556			
	28	Ushakov, AV; Streltsov, SV; Khomskii, DI, Orbital structure and magnetic ordering in stoichiometric and doped crednerite CuMnO ₂ , PHYSICAL REVIEW B, 89, 2014, 24406			
	29	Amrute, AP; Lodziana, Z; Mondelli, C; Krumeich, F; Perez-Ramirez, J, Solid-State Chemistry of Cuprous Delafossites: Synthesis and Stability Aspects, CHEMISTRY OF MATERIALS, 25, 2013, 4423-4435			
	30	Amrute, AP; Larrazabal, GO; Mondelli, C; Perez-Ramirez, J, CuCrO ₂ Delafossite: A Stable Copper Catalyst for Chlorine Production, ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, 52, 2013, 9772-9775			
	31	Terada, N; Tsuchiya, Y; Kitazawa, H; Metoki, N, Magnetic and nonmagnetic impurity effect on magnetic orderings of the isosceles-triangular-lattice antiferromagnet CuMnO ₂ , JOURNAL OF THE KOREAN PHYSICAL SOCIETY, 62, 2013, 1905-1909			
	32	Damay, F; Petit, S; Braendlein, M; Rols, S; Ollivier, J; Martin, C; Maignan, A, Spin dynamics in the unconventional multiferroic AgCrS ₂ , PHYSICAL REVIEW B, 87, 2013, 134413			
	33	Kwon, KD; Refson, K; Sposito, G, Understanding the trends in transition metal sorption by vacancy sites in birnessite, GEOCHIMICA ET COSMOCHIMICA ACTA, 101, 2013, 222-232			
	34	Terada, N; Tsuchiya, Y; Kitazawa, H; Osakabe, T; Metoki, N; Igawa, N, Magnetic correlations and the influence of atomic disorder in frustrated isosceles triangular lattice antiferromagnet CuMnO ₂ , PHYSICAL REVIEW B, 84, 2011, 64432			
	35	Dutton, SE; Climent-Pascual, E; Stephens, PW; Hodges, JP; Huq, A; Broholm, CL; Cava, RJ, Helical magnetism and structural anomalies in triangular lattice alpha-SrCr ₂ O ₄ , JOURNAL OF PHYSICS-CONDENSED MATTER, 23, 2011, 246005			
	36	Garlea, VO; Savici, AT; Jin, RY, Tuning the magnetic ground state of a triangular lattice system Cu(Mn _{1-x} Cu _x)O-2, PHYSICAL REVIEW B, 83, 2011, 172407			
	37	Jia, T; Zhang, GR; Zhang, XL; Guo, Y; Zeng, Z; Lin, HQ, Magnetic frustration in alpha-NaMnO ₂ and CuMnO ₂ , JOURNAL OF APPLIED PHYSICS, 109, 2011, 7E+102			
4		M. Miclau, N. Miclau, <u>M. Poienar</u> and I. Grozescu, "A new piezoelectric single crystal obtained by Ge doping in the SiO₂ structure" Crys. Res. Technol. 44, Nr 6, 577-580 (2009).	6	4	1.5
	1	Dmitry G. Koshchug, Alina N. Koshlyakova, Vladimir S. Balitsky, Sergey V. Vyatkin, Infrared and Raman spectroscopy study of Si _{1-x} Ge _x O ₂ solid solutions with α-quartz structures, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 233, 2020, 118168			
	2	D. Clavier, P. Hermet, A. Van der Lee, J. Haines, O. Cambon, Prediction of piezoelectric properties by first principles calculations and hydrothermal crystal growth of Si _{1-x} Sn _x O ₂ α-quartz phase, CrystEngComm 20, 2018, 7479-7485.			
	3	D. Clavier, M. Prakasam, A. Largeteau, J. J. Boy, B. Hehlen, M. Cambon, P. Hermet, J. Haines, O. Cambon, Piezoelectric and non-linear optical properties of α-quartz type Si _{1-x} Ge _x O ₂ single crystals, CrystEngComm. 18, 2016, 2500-2508.			
	4	I Miron, D. H. Ursu, M. Miclau, I. Grozescu, Sn/SiO ₂ single crystals growth by the hydrothermal method at high temperatures and pressures, Phys. Scr. 2012, 2012, 014061			

	5	V. Ranieri, S. Darracq, M. Cambon, J. Haines, O. Cambon, A. Largeteau, G. Demazeau, Hydrothermal Growth and Structural Studies of Si1-xGexO2 Single Crystals, <i>Inorganic Chemistry</i> 50, 2011, 4632-4639.			
	6	Y. Zeng, Y. Zheng, H. Kong, J. Xin, H. Chen, X. Tu, P. Gao, E. Shi, Growth and characterization of a new langasite-type single crystal Sr3NbAl1.5Ga1.5Si2O14, <i>Crystal Research and Technology</i> 46, 2011, 459-462.			
5		M. Poienar, F. Damay, C. Martin, J. Robert, S. Petit “Spin dynamics in the geometrically frustrated multiferroic CuCrO2” <i>Phys. Rev. B</i> 81, 104411 (2010)	74	5	14.8
	1	Sun, D; Sokolov, DA; Waite, R; Khim, S; Manuel, P; Orlandi, F; Khalyavin, DD; Mackenzie, AP; Hicks, CW, Heisenberg spins on an anisotropic triangular lattice: PdCrO2 under uniaxial stress, <i>NEW JOURNAL OF PHYSICS</i> , 23, 2021, 123050			
	2	Psaroudaki, C; Panagopoulos, C, Skyrmion Qubits: A New Class of Quantum Logic Elements Based on Nanoscale Magnetization, <i>PHYSICAL REVIEW LETTERS</i> , 127, 2021, 67201			
	3	Xing, J; Taddei, KM; Sanjeeva, LD; Fishman, RS; Daum, M; Mourigal, M; dela Cruz, C; Sefat, AS, Stripe antiferromagnetic ground state of the ideal triangular lattice compound KErSe2, <i>PHYSICAL REVIEW B</i> , 103, 2021, 144413			
	4	Ledue, D; Ndzamba, WL; Patte, R; Albaalbaky, A, Magnetic field induced phases in CuCrO2: Monte Carlo and analytical investigations, <i>PHYSICAL REVIEW B</i> , 103, 2021, 94401			
	5	Maier, S; Gaultois, MW; Matsubara, N; Surta, W; Damay, F; Hebert, S; Hardy, V; Berthebaud, D; Gascoin, F, Sb-5s lone pair dynamics and collinear magnetic ordering in Ba2FeSbSe5, <i>PHYSICAL REVIEW B</i> , 103, 2021, 54115			
	6	Li, LS; Narayanan, N; Jin, SJ; Yu, J; Liu, ZJ; Sun, HL; Wang, CW; Peterson, VK; Liu, Y; Danilkin, S; Yao, DX; Yu, DH; Wang, M, Magnetic ordering and spin dynamics in the S=5/2 staggered triangular lattice antiferromagnet Ba2MnTeO6, <i>PHYSICAL REVIEW B</i> , 102, 2020, 94413			
	7	Soda, M; Itoh, S; Yokoo, T; Ehlers, G; Kawano-Furukawa, H; Masuda, T, Magnetic correlations in YBaCo4O7 on kagome and triangular lattices, <i>PHYSICAL REVIEW B</i> , 101, 2020, 214444			
	8	Schorne-Pinto, J; Janghorban, A; Lomello-Tafin, M; Pisch, A; Mikaelian, G; Benigni, P; Barnabe, A; Cassayre, L, Assessment of thermodynamic data for CuCrO2 delafossite from calorimetric measurements, <i>THERMOCHIMICA ACTA</i> , 680, 2019, 178345			
	9	Kim, T; Park, K; Leiner, JC; Park, JG, Hybridization and Decay of Magnetic Excitations in Two-Dimensional Triangular Lattice Antiferromagnets, <i>JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN</i> , 88, 2019, 81003			
	10	Jin, SJ; Luo, C; Datta, T; Yao, DX, Torque equilibrium spin wave theory study of anisotropy and Dzyaloshinskii-Moriya interaction effects on the indirect K-edge RIXS spectrum of a triangular lattice antiferromagnet, <i>PHYSICAL REVIEW B</i> , 100, 2019, 54410			
	11	Sukhanov, AS; Pavlovskii, MS; Bourges, P; Walker, HC; Manna, K; Felser, C; Inosov, DS, Magnon-polaron excitations in the noncollinear antiferromagnet Mn3Ge, <i>PHYSICAL REVIEW B</i> , 99, 2019, 214445			
	12	Albaalbaky, A; Kvashnin, Y; Patte, R; Ledue, D, Analytical and numerical investigations of noncollinear magnetic ordering in the frustrated delafossite CuCrO2, <i>PHYSICAL REVIEW B</i> , 99, 2019, 104415			
	13	Le, MD; Jeon, S; Kolesnikov, AI; Voneshen, DJ; Gibbs, AS; Kim, JS; Jeong, J; Noh, HJ; Park, C; Yu, J; Perring, TG; Park, JG, Magnetic interactions in PdCrO2 and their effects on its magnetic structure, <i>PHYSICAL REVIEW B</i> , 98, 2018, 24429			
	14	Ogloblichev, VV; Smolnikov, AG; Sadykov, AF; Piskunov, YV; Gerashenko, AP; Furukawa, Y; Kumagai, K; Yakubovsky, AY; Mikhalev, KN; Barilo, SN; Shiryaev, SV; Belozarov, AS, O-17 NMR study of the triangular lattice antiferromagnet CuCrO2, <i>JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS</i> , 458, 2018, 1-9			
	15	Singh, S; Tovstolytkin, A; Lotey, GS, Magnetic properties of superparamagnetic beta-NaFeO2 nanoparticles, <i>JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS</i> , 458, 2018, 62-65			
	16	Gao, WS; Shi, LR; Ouyang, ZW; Xia, ZC; Wang, Z; Liu, BJ; Li, HX; Zou, YM; Yu, L; Zhang, L; Pi, L; Qu, Z; Zhang, YH, Competing spin fluctuations and trace o vortex dynamics in the two-dimensional triangular-lattice antiferromagnet AgCrS2, <i>JOURNAL OF PHYSICS-CONDENSED MATTER</i> , 30, 2018, 265802			
	17	Zhang, XS; Mahmood, F; Daum, M; Dun, ZL; Paddison, JAM; Laurita, NJ; Hong, T; Zhou, HD; Armitage, NP; Mourigal, M, Hierarchy of Exchange Interactions in the Triangular-Lattice Spin Liquid YbMgGaO4, <i>PHYSICAL REVIEW X</i> , 8, 2018, 31001			

18	Gotovko, SK; Soldatov, TA; Svistov, LE; Zhou, HD, Multiferroicity of CuCrO2 tested by electron spin resonance, PHYSICAL REVIEW B, 97, 2018, 94425
19	Inosov, DS, Quantum magnetism in minerals, ADVANCES IN PHYSICS, 67, 2018, 149-252
20	Apostolov, AT; Apostolova, IN; Trimper, S; Wesselinowa, JM, Dielectric properties of multiferroic CuCrO2, EUROPEAN PHYSICAL JOURNAL B, 90, 2017, 236
21	Miyata, A; Portugall, O; Nakamura, D; Ohgushi, K; Takeyama, S, Ultrahigh magnetic field phases in the frustrated triangular-lattice magnet CuCrO2, PHYSICAL REVIEW B, 96, 2017, 180401
22	Terada, N; Ikedo, Y; Sato, H; Khalyavin, DD; Manuel, P; Miyake, A; Matsuo, A; Tokunaga, M; Kindo, K, Rich magnetoelectric phase diagrams of multiferroic single-crystal alpha-NaFeO2, PHYSICAL REVIEW B, 96, 2017, 35128
23	Songvilay, M; Petit, S; Suard, E; Martin, C; Damay, F, Spin dynamics in the distorted triangular lattice antiferromagnet alpha-SrCr2O4, PHYSICAL REVIEW B, 96, 2017, 24416
24	Bansal, D; Niedziela, JL; May, AF; Said, A; Ehlers, G; Abernathy, DL; Huq, A; Kirkham, M; Zhou, HD; Delaire, O, Lattice dynamics and thermal transport in multiferroic CuCrO2, PHYSICAL REVIEW B, 95, 2017, 54306
25	Toth, S; Wehinger, B; Rolfs, K; Birol, T; Stuhr, U; Takatsu, H; Kimura, K; Kimura, T; Ronnow, HM; Ruegg, C, Electromagnon dispersion probed by inelastic X-ray scattering in LiCrO2, NATURE COMMUNICATIONS, 7, 2016, 13547
26	Park, K; Oh, J; Leiner, JC; Jeong, J; Rule, KC; Le, MD; Park, JG, Magnon-phonon coupling and two-magnon continuum in the two-dimensional triangular antiferromagnet CuCrO2, PHYSICAL REVIEW B, 94, 2016, 104421
27	Sakhratov, YA; Svistov, LE; Kuhns, PL; Zhou, HD; Reyes, AP, Magnetic phases of the quasi-two-dimensional antiferromagnet CuCrO2 on a triangular lattice, PHYSICAL REVIEW B, 94, 2016, 94410
28	Yang, H; Huang, ZB; Jia, T; Zhang, XL; Zeng, Z, Magnetic ordering and exchange striction stabilized geometric ferroelectricity in multiferroic AgCrS2, JOURNAL OF PHYSICS-CONDENSED MATTER, 28, 2016, 236002
29	Damay, F; Petit, S; Rols, S; Braendlein, M; Daou, R; Elkaim, E; Fauth, F; Gascoin, F; Martin, C; Maignan, A, Localised Ag+ vibrations at the origin of ultralow thermal conductivity in layered thermoelectric AgCrSe2, SCIENTIFIC REPORTS, 6, 2016, 23415
30	Lin, SZ; Hayami, S, Ginzburg-Landau theory for skyrmions in inversion-symmetric magnets with competing interactions, PHYSICAL REVIEW B, 93, 2016, 64430
31	Ma, J; Kamiya, Y; Hong, T; Cao, HB; Ehlers, G; Tian, W; Batista, CD; Dun, ZL; Zhou, HD; Matsuda, M, Static and Dynamical Properties of the Spin-1/2 Equilateral Triangular-Lattice Antiferromagnet Ba3CoSb2O9, PHYSICAL REVIEW LETTERS, 116, 2016, 87201
32	Oh, SH; Choi, HY; Moon, JY; Kim, MK; Jo, Y; Lee, N; Choi, YJ, Nonlinear magnetodielectric effect in double-perovskite Gd2NiMnO6, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 48, 2015, 445001
33	Smol'nikov, AG; Oglolichiev, VV; Verkhovskii, SV; Mikhalev, KN; Yakubovskii, AY; Kumagai, K; Furukawa, Y; Sadykov, AF; Piskunov, YV; Gerashchenko, AP; Barilo, SN; Shiryaev, SV, Cr-53 NMR study of CuCrO2 multiferroic, JETP LETTERS, 102, 2015, 674-677
34	Hicks, CW; Gibbs, AS; Zhao, LS; Kushwaha, P; Borrmann, H; Mackenzie, AP; Takatsu, H; Yonezawa, S; Maeno, Y; Yelland, EA, Quantum oscillations and magnetic reconstruction in the delafossite PdCrO2, PHYSICAL REVIEW B, 92, 2015, 14425
35	Kajimoto, R; Tomiyasu, K; Nakajima, K; Ohira-Kawamura, S; Inamura, Y; Okuda, T, Development of Spin Correlations in the Geometrically Frustrated Triangular-Lattice Heisenberg Antiferromagnet CuCrO2, JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 84, 2015, 74708
36	Luo, C; Datta, T; Huang, Z; Yao, DX, Signatures of indirect K-edge resonant inelastic x-ray scattering on magnetic excitations in a triangular-lattice antiferromagnet, PHYSICAL REVIEW B, 92, 2015, 35109
37	Chakraborty, A; Bouzerar, G, Long wavelength spin dynamics in diluted magnetic systems: Scaling of magnon lifetime, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 381, 2015, 50-55
38	Toth, S; Lake, B, Linear spin wave theory for single-Q incommensurate magnetic structures, JOURNAL OF PHYSICS-CONDENSED MATTER, 27, 2015, 166002
39	Valentine, ME; Koohpayeh, S; Mourigal, M; McQueen, TM; Broholm, C; Drichko, N; Drichko, N; Cava, RJ; Birol, T; Das, H; Fennie, CJ, Raman study of magnetic

		excitations and magnetoelastic coupling in alpha-SrCr ₂ O ₄ , PHYSICAL REVIEW B, 91, 2015, 144411	
40		Marchenko, VI, On antiferromagnetic transition in CuCrO ₂ , JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 119, 2014, 1084-1087	
41		Sakhratov, YA; Svistov, LE; Kuhns, PL; Zhou, HD; Reyes, AP, Magnetic structure and domain conversion of the quasi-2D frustrated antiferromagnet CuCrO ₂ probed by NMR, JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 119, 2014, 880-890	
42		Pikin, SA, Ferroelectricity and antiferroelectricity in CuCrO ₂ -type multiferroic semiconductors, CRYSTALLOGRAPHY REPORTS, 59, 2014, 542-549	
43		Lin, SZ; Barros, K; Mun, E; Kim, JW; Frontzek, M; Barilo, S; Shiryayev, SV; Zapf, VS; Batista, CD, Magnetic-field-induced phases in anisotropic triangular antiferromagnets: Application to CuCrO ₂ , PHYSICAL REVIEW B, 89, 2014, 220405	
44		Elkhouni, T; Amami, M; Strobel, P; Ben Salah, A, Effect of Zn Substitution on the Structural and Physical Properties of Delafossite-Type Oxide CuCrO ₂ , JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, 27, 2014, 1111-1118	
45		Mun, E; Frontzek, M; Podlesnyak, A; Ehlers, G; Barilo, S; Shiryayev, SV; Zapf, VS, High magnetic field evolution of ferroelectricity in CuCrO ₂ , PHYSICAL REVIEW B, 89, 2014, 54411	
46		Yano, S; Louca, D; Chi, SX; Matsuda, M; Qiu, YM; Copley, JRD; Cheong, SW, Intertwining of Frustration with Magneto-Elastic Coupling in the Multiferroic LuMnO ₃ , JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 83, 2014, 24601	
47		Mirebeau, I; Petit, S, Magnetic frustration probed by inelastic neutron scattering: Recent examples, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 350, 2014, 209-216	
48		Aktas, O; Quirion, G; Otani, T; Kimura, T, First-order ferroelastic transition in a magnetoelectric multiferroic: CuCrO ₂ , PHYSICAL REVIEW B, 88, 2013, 224104	
49		Ehlers, G; Podlesnyak, AA; Frontzek, M; Freitas, RS; Ghivelder, L; Gardner, JS; Shiryayev, SV; Barilo, S, A detailed study of the magnetic phase transition in CuCrO ₂ , JOURNAL OF PHYSICS-CONDENSED MATTER, 25, 2013,	
50		Vasiliev, AM; Prozorova, LA; Svistov, LE; Tsurkan, V; Dziom, V; Shuvaev, A; Pimenov, A; Pimenov, A, ESR of the quasi-two-dimensional antiferromagnet CuCrO ₂ with a triangular lattice, PHYSICAL REVIEW B, 88, 2013, 144403	
51		Mourigal, M; Fuhrman, WT; Chernyshev, AL; Zhitomirsky, ME, Dynamical structure factor of the triangular-lattice antiferromagnet, PHYSICAL REVIEW B, 88, 2013, 94407	
52		Schmidt, M; Wang, Z; Kant, C; Mayr, F; Toth, S; Islam, ATMN; Lake, B; Tsurkan, V; Loidl, A; Deisenhofer, J, Exciton-magnon transitions in the frustrated chromium antiferromagnets CuCrO ₂ , alpha-CaCr ₂ O ₄ , CdCr ₂ O ₄ , and ZnCr ₂ O ₄ , PHYSICAL REVIEW B, 87, 2013, 224424	
53		Kajimoto, R; Nakajima, K; Ohira-Kawamura, S; Inamura, Y; Kakurai, K; Hokazono, T; Oozono, S; Okuda, T, Effects of Mg, Ag, and Al Substitutions on Magnetic Excitations in the Triangular-Lattice Antiferromagnet CuCrO ₂ , JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 82, 2013, 54702	
54		Damay, F; Petit, S; Braendlein, M; Rols, S; Ollivier, J; Martin, C; Maignan, A, Spin dynamics in the unconventional multiferroic AgCrS ₂ , PHYSICAL REVIEW B, 87, 2013, 134413	
55		Okuda, T; Kajimoto, R; Okawa, M; Saitoh, T, EFFECTS OF HOLE-DOPING AND DISORDER ON THE MAGNETIC STATES OF DELAFOSSITE CuCrO ₂ HAVING A SPIN-3/2 ANTIFERROMAGNETIC TRIANGULAR SUBLATTICE, INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 27, 2013, 1330002	
56		Toth, S; Lake, B; Hradil, K; Guidi, T; Rule, KC; Stone, MB; Islam, ATMN, Magnetic Soft Modes in the Distorted Triangular Antiferromagnet alpha-CaCr ₂ O ₄ , PHYSICAL REVIEW LETTERS, 109, 2012, 127203	
57		Pachoud, E; Singh, K; Breard, Y; Martin, C; Andre, G; Hardy, V; Simon, C; Maignan, A, Magnetic dilution and steric effects in the multiferroic delafossite CuCrO ₂ , PHYSICAL REVIEW B, 86, 2012, 54437	
58		Jiang, XF; Liu, XF; Wu, YZ; Han, JR, Exchange coupling and helical spin order in the triangular lattice antiferromagnet CuCrO ₂ using first principles, CHINESE PHYSICS B, 21, 2012, 77502	
59		Aktas, O; Truong, KD; Otani, T; Balakrishnan, G; Clouter, MJ; Kimura, T; Quirion, G, Raman scattering study of delafossite magnetoelectric multiferroic compounds: CuFeO ₂ and CuCrO ₂ , JOURNAL OF PHYSICS-CONDENSED MATTER, 24, 2012, 36003	

60	Barton, PT; Seshadri, R; Knoller, A; Rosseinsky, MJ, Structural and magnetic characterization of the complete delafossite solid solution (CuAlO ₂) _(1-x) (CuCrO ₂) _(x) , JOURNAL OF PHYSICS-CONDENSED MATTER, 24, 2012, 16002			
61	Kajimoto, R; Nakajima, K; Ohira-Kawamura, S; Inamura, Y; Kakurai, K; Arai, M; Hokazono, T; Oozono, S; Okuda, T, Neutron scattering study of Ag, Mg and Al substitution effects on the magnetic excitations in CuCrO ₂ , 26TH INTERNATIONAL CONFERENCE ON LOW TEMPERATURE PHYSICS (LT26), PTS 1-5, 400, 2012, 32034			
62	Frontzek, M; Haraldsen, JT; Podlesnyak, A; Matsuda, M; Christianson, AD; Fishman, RS; Sefat, AS; Qiu, Y; Copley, JRD; Barilo, S; Shiryayev, SV; Ehlers, G, Magnetic excitations in the geometric frustrated multiferroic CuCrO ₂ , PHYSICAL REVIEW B, 84, 2011, 94448			
63	Fishman, RS, Phase diagram of CuCrO ₂ in a magnetic field, JOURNAL OF PHYSICS-CONDENSED MATTER, 23, 2011, 366002			
64	Fishman, RS, Quantum spin fluctuations and ellipticity for a triangular-lattice antiferromagnet, PHYSICAL REVIEW B, 84, 2011, 52405			
65	Toth, S; Lake, B; Kimber, SAJ; Pieper, O; Reehuis, M; Islam, ATMN; Zaharko, O; Ritter, C; Hill, AH; Ryll, H; Kiefer, K; Argyriou, DN; Williams, AJ, 120 degrees helical magnetic order in the distorted triangular antiferromagnet alpha-CaCr ₂ O ₄ , PHYSICAL REVIEW B, 84, 2011, 54452			
66	Lopes, AML; Oliveira, GNP; Mendonca, TM; Moreira, JA; Almeida, A; Araujo, JP; Amaral, VS; Correia, JG, Local distortions in multiferroic AgCrO ₂ triangular spin lattice, PHYSICAL REVIEW B, 84, 2011, 14434			
67	Damay, F; Martin, C; Hardy, V; Maignan, A; Stock, C; Petit, S, Quantum gapped spin excitations in the S=3/2 zigzag ladder compound beta-CaCr ₂ O ₄ , PHYSICAL REVIEW B, 84, 2011, 20402			
68	Damay, F; Martin, C; Hardy, V; Andre, G; Petit, S; Maignan, A, Magnetoelastic coupling and unconventional magnetic ordering in the multiferroic triangular lattice AgCrS ₂ , PHYSICAL REVIEW B, 83, 2011, 184413			
69	Todorova, V; Leineweber, A; Kienle, L; Duppel, V; Jansen, M, On AgRhO ₂ , and the new quaternary delafossites AgLi _{1/3} M ₂ /3O ₂ , syntheses and analyses of real structures, JOURNAL OF SOLID STATE CHEMISTRY, 184, 2011, 1112-1119			
70	Seabra, L; Shannon, N, Competition between supersolid phases and magnetization plateaus in the frustrated easy-axis antiferromagnet on a triangular lattice, PHYSICAL REVIEW B, 83, 2011, 134412			
71	Scanlon, DO; Watson, GW, Understanding the p-type defect chemistry of CuCrO ₂ , JOURNAL OF MATERIALS CHEMISTRY, 21, 2011, 3655-3663			
72	Kajimoto, R; Nakajima, K; Ohira-Kawamura, S; Inamura, Y; Kakurai, K; Arai, M; Hokazono, T; Oozono, S; Okuda, T, Temperature and Ag Doping Effect on Magnetic Excitations in the Quasi-Two-Dimensional Triangular Lattice Antiferromagnet CuCrO ₂ Studied by Inelastic Neutron Scattering, JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 79, 2010, 123705			
73	Singh, K; Kundys, B; Poienar, M; Simon, C, Effect of coupled ferroelectric and antiferromagnetic fluctuations on dielectric anomalies in spin induced multiferroics, JOURNAL OF PHYSICS-CONDENSED MATTER, 22, 2010, 445901			
74	Haraldsen, JT; Ye, F; Fishman, RS; Fernandez-Baca, JA; Yamaguchi, Y; Kimura, K; Kimura, T, Multiferroic phase of doped delafossite CuFeO ₂ identified using inelastic neutron scattering, PHYSICAL REVIEW B, 82, 2010, 20404			
6	C. Vecchini, M. Poienar, F. Damay, O. Adamopoulos, A. Daoud-Aladine, A. Lappas, J. M. Perez-Mato, L. C. Chapon and C. Martin, "Magnetoelastic coupling in the frustrated antiferromagnetic triangular lattice CuMnO₂" Phys. Rev. B 82, 094404 (2010)	19	7	2.714
1	Fu, SX; Liang, B; Li, Y; Lai, SY; Li, LP; Feng, T; Li, GS, Layered Cu _{1-z} Mn _{1+z} O ₂ Crednerite: Mapping the Phase Stabilization Region via Precise Compositional Control for Optimum Supercapacitor Performance, INORGANIC CHEMISTRY, 61, 2022, 2576-2586			
2	Lawler, KV; Smith, D; Evans, SR; dos Santos, AM; Molaison, JJ; Bos, JWG; Mutka, H; Henry, PF; Argyriou, DN; Salamat, A; Kimber, SAJ, Decoupling Lattice and Magnetic Instabilities in Frustrated CuMnO ₂ , INORGANIC CHEMISTRY, 60, 2021, 6004-6015			
3	Stimpson, LJV; McNulty, JA; Morrison, FD; Mahajan, A; McCabe, EE; Gibbs, AS; Stenning, GBG; Jura, M; Arnold, DC, A comprehensive variable temperature study of the layered oxide, Ca ₂ Mn ₃ O ₈ , JOURNAL OF ALLOYS AND COMPOUNDS, 843, 2020, 155633			

4	Frandsen, BA; Bozin, ES; Aza, E; Martinez, AF; Feyngenson, M; Page, K; Lappas, A, Nanoscale degeneracy lifting in a geometrically frustrated antiferromagnet, PHYSICAL REVIEW B, 101, 2020, 24423			
5	Stimpson, LJV; Rodriguez, EE; Brown, CM; Stenning, GBG; Jura, M; Arnold, DC, Magnetic ordering in a frustrated bow-tie lattice, JOURNAL OF MATERIALS CHEMISTRY C, 6, 2018, 4541-4548			
6	Balcerzak, T; Szalowski, K; Jascur, M, Thermodynamic model of a solid with RKKY interaction and magnetoelastic coupling, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 452, 2018, 360-372			
7	Inosov, DS, Quantum magnetism in minerals, ADVANCES IN PHYSICS, 67, 2018, 149-252			
8	Minelli, A; Dolcet, P; Diodati, S; Gardonio, S; Innocenti, C; Badocco, D; Gialanella, S; Pastore, P; Pandolfo, L; Caneschi, A; Trapananti, A; Gross, S, Pursuing the stabilisation of crystalline nanostructured magnetic manganites through a green low temperature hydrothermal synthesis, JOURNAL OF MATERIALS CHEMISTRY C, 5, 2017, 3359-3371			
9	Balcerzak, T; Szalowski, K; Jascur, M, Self-consistent model of a solid for the description of lattice and magnetic properties, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 426, 2017, 310-319			
10	Holbein, S; Ackermann, M; Chapon, L; Steffens, P; Gukasov, A; Sazonov, A; Breunig, O; Sanders, Y; Becker, P; Bohaty, L; Lorenz, T; Braden, M, Strong magnetoelastic coupling at the transition from harmonic to anharmonic order in NaFe(WO4)2 with 3d(5) configuration, PHYSICAL REVIEW B, 94, 2016, 104423			
11	Zorko, A; Kokalj, J; Komelj, M; Adamopoulos, O; Luetkens, H; Arcon, D; Lappas, A, Magnetic inhomogeneity on a triangular lattice: the magnetic-exchange versus the elastic energy and the role of disorder, SCIENTIFIC REPORTS, 5, 2015, 9272			
12	Larson, AM; Moetakef, P; Gaskell, K; Brown, CM; King, G; Rodriguez, EE, Inducing Ferrimagnetism in Insulating Hollandite Ba1.2Mn8O16, CHEMISTRY OF MATERIALS, 27, 2015, 515-525			
13	Shukla, KK; Shahi, P; Gopal, S; Kumar, A; Ghosh, AK; Singh, R; Sharma, N; Das, A; Sinha, AK; Joshi, AG; Nigam, AK; Chatterjee, S, Magnetic and optical properties of Fe doped crednerite CuMnO2, RSC ADVANCES, 5, 2015, 83504-83511			
14	Kurokawa, A; Yanoh, T; Yano, S; Ichianagi, Y, Preparation and Magnetic Properties of Multiferroic CuMnO2 Nanoparticles, JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 14, 2014, 2553-2556			
15	Ushakov, AV; Streltsov, SV; Khomskii, DI, Orbital structure and magnetic ordering in stoichiometric and doped crednerite CuMnO2, PHYSICAL REVIEW B, 89, 2014, 24406			
16	Zorko, A; Adamopoulos, O; Komelj, M; Arcon, D; Lappas, A, Frustration-induced nanometre-scale inhomogeneity in a triangular antiferromagnet, NATURE COMMUNICATIONS, 5, 2014, 3222			
17	Terada, N; Tsuchiya, Y; Kitazawa, H; Metoki, N, Magnetic and nonmagnetic impurity effect on magnetic orderings of the isosceles-triangular-lattice antiferromagnet CuMnO2, JOURNAL OF THE KOREAN PHYSICAL SOCIETY, 62, 2013, 1905-1909			
18	Terada, N; Tsuchiya, Y; Kitazawa, H; Osakabe, T; Metoki, N; Igawa, N, Magnetic correlations and the influence of atomic disorder in frustrated isosceles triangular lattice antiferromagnet CuMnO2, PHYSICAL REVIEW B, 84, 2011, 64432			
19	Garlea, VO; Savici, AT; Jin, RY, Tuning the magnetic ground state of a triangular lattice system Cu(Mn1-xCux)O-2, PHYSICAL REVIEW B, 83, 2011, 172407			
7	K. Singh, B. Kundys, M. Poienar and C. Simon, “Effect of coupled ferroelectric and antiferromagnetic fluctuations on dielectric anomalies in spin induced multiferroics”, J. Phys. : Condens. Matter 22, 445901 (2010).	18	4	4.5
1	Apostolova, IN; Apostolov, AT; Wesselinowa, JM, Differences in the multiferroic properties of AgCrS2 and AgCrO2, SOLID STATE COMMUNICATIONS, 323, 2021,			
2	Naveen, K; Kumar, N; Rani, S; Mandal, TK; Gaur, A; Babu, PD; Siruguri, V; Maji, PK; Kanungo, S; Paul, AK, Investigation of multiferroic behaviour at room temperature in Bi-induced orthoferrite: combined experimental and first principles studies, BULLETIN OF MATERIALS SCIENCE, 43, 2020, 196			
3	Chandra, M; Yadav, S; Rawat, R; Singh, K, Enhancement of magnetoelectric coupling in Cr doped Mn2O3, JOURNAL OF PHYSICS-CONDENSED MATTER, 32, 2020, 295703			
4	Shankar, PNR; Mishra, S; Athinarayanan, S, Polar magnetic oxides from chemical ordering: A new class of multiferroics, APL MATERIALS, 8, 2020, 40906			

5	Kapustianyk, V; Loboda, N; Eliyashevskyy, Y; Semak, S, On the magnetoelectric effect in paramagnetic $\text{NH}_2(\text{CH}_3)_2\text{Al}_{1-x}\text{Cr}_x(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ crystals, <i>LOW TEMPERATURE PHYSICS</i> , 45, 2019, 894-900			
6	Apostolov, AT; Apostolova, IN; Trimper, S; Wesselinowa, JM, Dielectric properties of multiferroic CuCrO_2 , <i>EUROPEAN PHYSICAL JOURNAL B</i> , 90, 2017, 236			
7	Kapustianyk, V; Eliyashevskyy, Y; Czaplá, Z; Rudyk, V; Serkiz, R; Ostapenko, N; Hirnyk, I; Dayen, JF; Bobnar, M; Gumeniuk, R; Kundys, B, Tuning a sign of magnetoelectric coupling in paramagnetic $\text{NH}_2(\text{CH}_3)_2\text{Al}_{1-x}\text{Cr}_x(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ crystals by metal ion substitution, <i>SCIENTIFIC REPORTS</i> , 7, 2017, 14109			
8	Shukla, KK; Pal, A; Singh, A; Singh, R; Saha, J; Sinha, AK; Ghosh, AK; Patnaik, S; Awasthi, AM; Chatterjee, S, Hidden transition in multiferroic and magnetodielectric CuCrO_2 evidenced by ac-susceptibility, <i>EPL</i> , 118, 2017, 27008			
9	Ngo, TNM; Palstra, TTM; Blake, GR, Crystallite size dependence of thermoelectric performance of CuCrO_2 , <i>RSC ADVANCES</i> , 6, 2016, 91171-91178			
10	Ngo, TNM; Adem, U; Palstra, TTM, The origin of thermally stimulated depolarization currents in multiferroic CuCrO_2 , <i>APPLIED PHYSICS LETTERS</i> , 106, 2015, 152904			
11	Karmakar, A; Dey, K; Chatterjee, S; Majumdar, S; Giri, S, Spin correlated dielectric memory and rejuvenation in multiferroic CuCr_2S_2 , <i>APPLIED PHYSICS LETTERS</i> , 104, 2014, 52906			
12	Aktas, O; Quirion, G; Otani, T; Kimura, T, First-order ferroelastic transition in a magnetoelectric multiferroic: CuCrO_2 , <i>PHYSICAL REVIEW B</i> , 88, 2013, 224104			
13	Singh, AK; Singh, K; Basu, T; Iyer, KK; Paulose, PL; Sampathkumaran, EV, Magnetodielectric Properties of Frustrated Antiferromagnet LiCrO_2 , <i>SOLID STATE PHYSICS</i> , VOL 57, 1512, 2013, 1274-1275			
14	Maignan, A; Martin, C; Singh, K; Simon, C; Lebedev, OI; Turner, S, From spin induced ferroelectricity to dipolar glasses: Spinel chromites and mixed delafossites, <i>JOURNAL OF SOLID STATE CHEMISTRY</i> , 195, 2012, 41-49			
15	Yuan, XP; Tang, YK; Sun, Y; Xu, MX, Structure and magnetic properties of $\text{Y}_{1-x}\text{Lu}_x\text{FeO}_3$ ($0 \leq x \leq 1$) ceramics, <i>JOURNAL OF APPLIED PHYSICS</i> , 111, 2012, 53911			
16	Su, YL; Zhang, JC; Feng, ZJ; Li, ZJ; Shen, Y; Cao, SX, Magnetic properties of rare earth HoCrO_3 chromites, <i>JOURNAL OF RARE EARTHS</i> , 29, 2011, 1060-1065			
17	Singh, K; Simon, C; Toledano, P, Multiferroicity and magnetoelectric coupling in $\alpha\text{-CaCr}_2\text{O}_4$, <i>PHYSICAL REVIEW B</i> , 84, 2011, 64129			
18	Wang, JM; Zheng, PC; Li, D; Deng, ZH; Dong, WW; Tao, RH; Fang, XD, Preparation of delafossite-type CuCrO_2 films by sol-gel method, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 509, 2011, 5715-5719			
8	M. Poienar, C. Vecchini, G. André, A. Daoud-Aladine, I. Margiolaki, A. Maignan, A. Lappas, L. Chapon, M. Hervieu, F. Damay, C. Martin, "Substitution effect on the inter-plane coupling in crednerite: the $\text{Cu}_{1.04}\text{Mn}_{0.96}\text{O}_2$ case." <i>Chemistry of Materials</i> 23, 85-94 (2011).	16	8	2
1	Fu, SX; Liang, B; Li, Y; Lai, SY; Li, LP; Feng, T; Li, GS, Layered $\text{Cu}_{1-z}\text{Mn}_{1+z}\text{O}_2$ Crednerite: Mapping the Phase Stabilization Region via Precise Compositional Control for Optimum Supercapacitor Performance, <i>INORGANIC CHEMISTRY</i> , 61, 2022, 2576-2586			
2	Srepusharawoot, P; Kosalwat, W; Ruttanapun, C, The effect of phase transition of crednerite/delafossite $\text{CuMn}_{1-x}\text{Cr}_x\text{O}_2$ on optical, thermal, and power factor properties, <i>JOURNAL OF THE AMERICAN CERAMIC SOCIETY</i> , 105, 2022, 2067-2081			
3	Lawler, KV; Smith, D; Evans, SR; dos Santos, AM; Molaison, JJ; Bos, JW; Mutka, H; Henry, PF; Argyriou, DN; Salamat, A; Kimber, SAJ, Decoupling Lattice and Magnetic Instabilities in Frustrated CuMnO_2 , <i>INORGANIC CHEMISTRY</i> , 60, 2021, 6004-6015			
4	Santiago, AAG; Tranquilin, RL; Oliveira, MC; Ribeiro, RAP; de Lazaro, SR; Correa, MA; Bohn, F; Longo, E; Motta, FV; Bomio, MRD, Disclosing the Structural, Electronic, Magnetic, and Morphological Properties of CuMnO_2 : A Unified Experimental and Theoretical Approach, <i>JOURNAL OF PHYSICAL CHEMISTRY C</i> , 124, 2020, 5378-5388			
5	Frandsen, BA; Bozin, ES; Aza, E; Martinez, AF; Feygenson, M; Page, K; Lappas, A, Nanoscale degeneracy lifting in a geometrically frustrated antiferromagnet, <i>PHYSICAL REVIEW B</i> , 101, 2020, 24423			
6	Shukla, KK; Singh, R; Kumar, A; Ghosh, AK; Chatterjee, S, Griffith-like phase in Crednerite CuMnO_2 , <i>MATERIALS RESEARCH BULLETIN</i> , 91, 2017, 135-139			

7	Zvereva, EA; Stratan, MI; Ushakov, AV; Nalbandyan, B; Shukaev, IL; Silhanek, AV; Abdel-Hafiez, M; Streltsov, SV; Vasiliev, AN, Orbitaly induced hierarchy of exchange interactions in the zigzag antiferromagnetic state of honeycomb silver delafossite Ag ₃ Co ₂ SbO ₆ , DALTON TRANSACTIONS, 45, 2016, 7373-7384			
8	Streltsov, SV; Poteryaev, AI; Rubtsov, AN, Magnetostriction and ferroelectric state in AgCrS ₂ , JOURNAL OF PHYSICS-CONDENSED MATTER, 27, 2015, 165601			
9	Zorko, A; Kokalj, J; Komelj, M; Adamopoulos, O; Luetkens, H; Arcon, D; Lappas, A, Magnetic inhomogeneity on a triangular lattice: the magnetic-exchange versus the elastic energy and the role of disorder, SCIENTIFIC REPORTS, 5, 2015, 9272			
10	Shukla, KK; Shahi, P; Gopal, S; Kumar, A; Ghosh, AK; Singh, R; Sharma, N; Das, A; Sinha, AK; Joshi, AG; Nigam, AK; Chatterjee, S, Magnetic and optical properties of Fe doped crednerite CuMnO ₂ , RSC ADVANCES, 5, 2015, 83504-83511			
11	Ushakov, AV; Streltsov, SV; Khomskii, DI, Orbital structure and magnetic ordering in stoichiometric and doped crednerite CuMnO ₂ , PHYSICAL REVIEW B, 89, 2014, 24406			
12	Zorko, A; Adamopoulos, O; Komelj, M; Arcon, D; Lappas, A, Frustration-induced nanometre-scale inhomogeneity in a triangular antiferromagnet, NATURE COMMUNICATIONS, 5, 2014, 3222			
13	Terada, N; Tsuchiya, Y; Kitazawa, H; Metoki, N, Magnetic and nonmagnetic impurity effect on magnetic orderings of the isosceles-triangular-lattice antiferromagnet CuMnO ₂ , JOURNAL OF THE KOREAN PHYSICAL SOCIETY, 62, 2013, 1905-1909			
14	Ushakov, AV; Kukusta, DA; Yaresko, AN; Khomskii, DI, Magnetism of layered chromium sulfides MCrS ₂ (M = Li, Na, K, Ag, and Au): A first-principles study, PHYSICAL REVIEW B, 87, 2013, 14418			
15	Terada, N; Tsuchiya, Y; Kitazawa, H; Osakabe, T; Metoki, N; Igawa, N, Magnetic correlations and the influence of atomic disorder in frustrated isosceles triangular lattice antiferromagnet CuMnO ₂ , PHYSICAL REVIEW B, 84, 2011, 64432			
16	Garlea, VO; Savici, AT; Jin, RY, Tuning the magnetic ground state of a triangular lattice system Cu(Mn _{1-x} Cu _x)O-2, PHYSICAL REVIEW B, 83, 2011, 172407			
9	E. Guilmeau, M. Poienar, S. Kremer, S. Marinel, S. Hébert, R. Frésard, and A. Maignan, “Mg substitution in CuCrO₂ compounds” Solid State Communications 151, 1798-1801 (2011).	24	6	4
1	Hoang, DV; Le, TAK; Pham, ATT; Ta, HKT; Pham, NK; Nguyen, TH; Lai, HT; Truong, DC; Le, NV; Huynh, CT; Cho, S; Park, H; Song, S; Park, S; Mori, T; Tran, VC; Phan, TB, The roles of interstitial oxygen and phase compositions on the thermoelectric properties CuCr _{0.85} Mg _{0.15} O ₂ delafossite material, JOURNAL OF ALLOYS AND COMPOUNDS, 867, 2021, 158995			
2	Hoang, DV; Pham, ATT; Ta, HKT; Nguyen, TH; Pham, NK; Hoa, LT; Tran, VC; Michitaka, O; Tran, QMN; Park, JH; Lee, JK; Park, SD; Ju, TS; Park, H; Park, S; Phan, TB, Effects of multi-scale defects on the thermoelectric properties of delafossite CuCr _{1-x} Mg _x O ₂ materials, JOURNAL OF ALLOYS AND COMPOUNDS, 844, 2020, 156119			
3	Shah, AA; Parveen, A; Alvi, PA; Azam, A, Low temperature synthesis and effect of Co doping on structural, optical and dielectric properties of CuCrO ₂ hexagonal nanoplates, CERAMICS INTERNATIONAL, 46, 2020, 19827-19834			
4	Tang, YY; Qin, M; Hu, YD; Cui, K; Zeng, JH; Chen, LW; Yu, L, Solid solubility of Mg and enhanced electrical conduction in the C-axis orientation of CuCr _{1-x} Mg _x O ₂ polycrystals, JOURNAL OF ASIAN CERAMIC SOCIETIES, 8, 2020, 537-541			
5	Tripon, C; Dadarlat, D; Kovacs, K; Tosa, VP; Franko, M, Thermal Effusivity Investigations of Solid Thermoelectrics Using the Front Photopyroelectric Detection, INTERNATIONAL JOURNAL OF THERMOPHYSICS, 41, 2020,			
6	Jantrasee, S; Ruttanapun, C, Impact of Sn ⁴⁺ Substitution at Cr ³⁺ Sites on Thermoelectric and Electronic Properties of p-Type Delafossite CuCrO ₂ , JOURNAL OF ELECTRONIC MATERIALS, 49, 2020, 601-610			
7	Photopoulos, R; Fresard, R, A 3D Tight-Binding Model for La-Based Cuprate Superconductors, ANNALEN DER PHYSIK, 531, 2019, 1900177			
8	Manickam, R; Biswas, K, Double doping induced power factor enhancement in CuCrO ₂ for high temperature thermoelectric application, JOURNAL OF ALLOYS AND COMPOUNDS, 775, 2019, 1052-1056			
9	Dadarlat, D; Tripon, C, A new application of the liquid thermoelectrics: The detection of magnetic phase transitions, THERMOCHIMICA ACTA, 667, 2018, 160-164			
10	Tripon, C; Dadarlat, D; Bourges, C; Lemoine, P; Guilmeau, E, Photothermoelectric (PTE) characterization of CuCrO ₂ and Cu ₄ Sn ₇ S ₁₆ thermoelectric materials, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 131, 2018, 3151-3156			

	11	Tripon, C; Dadarlat, D; Craciunescu, I, Photothermoelectric (PTE) detection of magnetic phase transitions based on liquid thermoelectric (LTE) materials as sensors, ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES IX , 10977, 2018, UNSP 1097705			
	12	Daou, R; Fresard, R; Eyert, V; Hebert, S; Maignan, A, Unconventional aspects of electronic transport in delafossite oxides, SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS , 18, 2017, 919-938			
	13	Sun, H; Yazdi, MAP; Ducros, C; Chen, SC; Aubry, E; Wen, CK; Hsieh, JH; Sanchette, F; Billard, A, Thickness-dependent optoelectronic properties of CuCr _{0.93} Mg _{0.07} O ₂ thin films deposited by reactive magnetron sputtering, MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING , 63, 2017, 295-302			
	14	Tsay, CY; Chen, CL, Improved electrical properties of p-type CuGaO ₂ semiconductor thin films through Mg and Zn doping, CERAMICS INTERNATIONAL , 43, 2017, 2563-2567			
	15	Chikoidze, E; Boshta, M; Gomaa, M; Tchelidze, T; Daraselia, D; Japaridze, D; Shengelaya, A; Dumont, Y; Neumann-Spallart, M, Control of p-type conduction in Mg doped monophase CuCrO ₂ thin layers, JOURNAL OF PHYSICS D-APPLIED PHYSICS , 49, 2016, 205107			
	16	Sun, H; Yazdi, MAP; Sanchette, F; Billard, A, Optoelectronic properties of delafossite structure CuCr _{0.93} Mg _{0.07} O ₂ sputter deposited coatings, JOURNAL OF PHYSICS D-APPLIED PHYSICS , 49, 2016, 185105			
	17	Asemi, M; Ghanaatshoar, M, Conductivity improvement of CuCrO ₂ nanoparticles by Zn doping and their application in solid-state dye-sensitized solar cells, CERAMICS INTERNATIONAL , 42, 2016, 6664-6672			
	18	Kaya, IC; Sevindik, MA; Akyildiz, H, Characteristics of Fe- and Mg-doped CuCrO ₂ nanocrystals prepared by hydrothermal synthesis, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS , 27, 2016, 2404-2411			
	19	Hebert, S; Berthebaud, D; Daou, R; Breard, Y; Pelloquin, D; Guilmeau, E; Gascoin, F; Lebedev, O; Maignan, A, Searching for new thermoelectric materials: some examples among oxides, sulfides and selenides, JOURNAL OF PHYSICS-CONDENSED MATTER , 28, 2016, 13001			
	20	Ngo, TNM; Palstra, TTM; Blake, GR, Crystallite size dependence of thermoelectric performance of CuCrO ₂ , RSC ADVANCES , 6, 2016, 91171-91178			
	21	Barnabe, A; Thimont, Y; Lalanne, M; Presmanes, L; Tailhades, P, p-Type conducting transparent characteristics of delafossite Mg-doped CuCrO ₂ thin films prepared by RF-sputtering, JOURNAL OF MATERIALS CHEMISTRY C , 3, 2015, 6012-6024			
	22	Srinivasan, R; Bolloju, S, Optical Properties of Undoped and Mg doped CuCrO ₂ Powders Synthesized By Sol-Gel Route, OPTOELECTRONIC MATERIALS AND THIN FILMS (OMTAT 2013) , 1576, 2014, 205-208			
	23	Pachoud, E; Singh, K; Breard, Y; Martin, C; Andre, G; Hardy, V; Simon, C; Maignan, A, Magnetic dilution and steric effects in the multiferroic delafossite CuCrO ₂ , PHYSICAL REVIEW B , 86, 2012, 54437			
	24	Kremer, S; Fresard, R, Thermoelectric transport properties of an apparent Fermi liquid: Relation to an analytic anomaly in the density of states and application to hole-doped delafossites, ANNALEN DER PHYSIK , 524, 2012, 21-36			
10		J. Bourgeois, M. Hervieu, M. Poienar, A.M. Abakumov, E. Elkaim, M.T. Sougrati, F. Porcher, F. Damay, J. Rouquette, G. Van Tendeloo, A. Maignan, J. Haines, C. Martin, "Evidence of oxygen-dependent modulation in LuFe₂O₄", <i>Phys. Rev. B</i> 85 (2012) 064102.	22	9	2.444
	1	Sakagami, T; Ota, R; Kano, J; Ikeda, N; Fujii, T, Single domain growth and charge ordering of epitaxial YbFe ₂ O ₄ films, CRYSTENGCOMM , 23, 2021, 6163-6170			
	2	Nakamura, S; Katsufuji, T, Examination of Charge Order in Mixed Valence Oxide LuFe ₂ O ₄ by Mossbauer Quadrupole Effect, JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN , 90, 2021, 64702			
	3	Fujiwara, K; Fukada, Y; Okuda, Y; Seimiya, R; Ikeda, N; Yokoyama, K; Yu, H; Koshihara, S; Okimoto, Y, Direct evidence of electronic ferroelectricity in YbFe ₂ O ₄ using neutron diffraction and nonlinear spectroscopy, SCIENTIFIC REPORTS , 11, 2021, 4277			
	4	Zhang, Y; Wang, WB; Xing, WD; Cheng, SB; Deng, SQ; Angst, M; Yu, CP; Lan, FL; Cheng, ZY; Mandrus, D; Sales, B; Shen, J; Zhong, XY; Tai, NH; Yu, R; Zhu, J, Effect of Oxygen Interstitial Ordering on Multiple Order Parameters in Rare Earth Ferrite, PHYSICAL REVIEW LETTERS , 123, 2019, 247601			
	5	Konishi, S; Oka, K; Eisaki, H; Tanaka, K; Arima, TH, Growth of Single-Crystalline RFe ₂ O ₄ -delta (R = Y, Tm, Yb) by the Floating Zone Melting Method in a Mixture of			

		N-2, H-2, and CO2 Gases and Magnetic Properties of the Compounds, CRYSTAL GROWTH & DESIGN, 19, 2019, 5498-5504			
	6	Hosokawa, S, Hexagonal Rare Earth-Iron Mixed Oxides (RFeO3): Crystal Structure, Synthesis, and Catalytic Properties, FRONTIERS IN CHEMISTRY, 7, 2019, 8			
	7	Abdelkader, HS; Mahmoudi, A; Faraoun, HI; Merad, G, Comparative Study on the Charge-Ordered and Mixed-Valence Phases of LuFe2O4 via First-Principles Calculations, JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, 31, 2018, 2915-2923			
	8	Jayathilake, RS; Levitas, BD; Rodriguez, EE, In situ diffraction studies on reversible oxygen uptake and release in AFe(2)O(4) (+) (delta) (A= Lu, Yb, Y, and In), JOURNAL OF MATERIALS CHEMISTRY A, 6, 2018, 4801-4810			
	9	Ding, L; Orlandi, F; Khalyavin, DD; Boothroyd, AT; Prabhakaran, D; Balakrishnan, G; Manuel, P, Coupling between Spin and Charge Order Driven by Magnetic Field in Triangular Ising System LuFe2O4+delta, CRYSTALS, 8, 2018, 88			
	10	Fronzi, M; Tawfik, SA; Stampfl, C; Ford, MJ, Magnetic properties of stoichiometric and defective Co9S8, PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 20, 2018, 2356-2362			
	11	Nicoud, S; Huve, M; Hernandez, O; Pautrat, A; Duttine, M; Wattiaux, A; Colin, C; Kabbour, H; Mentre, O, Comprehensive Study of Oxygen Storage in YbFe2O4+X (X <= 0.5): Unprecedented Coexistence of FeO _n Polyhedra in One Single Phase, JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 139, 2017, 17031-17043			
	12	Fujiwara, K; Karasudani, T; Fukunaga, M; Kobayashi, H; Kano, J; Janolin, PE; Kiat, JM; Nogami, Y; Kondo, R; Ikeda, N, Possible charge order structure of stoichiometric YbFe2O4, FERROELECTRICS, 512, 2017, 85-91			
	13	Hearne, GR; Carleschi, E; Sibanda, WN; Musyimi, P; Diguët, G; Kudasov, YB; Maslov, DA; Korshunov, AS, Coexistence of site- and bond-centered electron localization in the high-pressure phase of LuFe2O4, PHYSICAL REVIEW B, 93, 2016, 105101			
	14	Mueller, T; de Groot, J; Stremper, J; Angst, M, Stoichiometric YFe2O4 (-) (delta) single crystals grown by the optical floating zone method, JOURNAL OF CRYSTAL GROWTH, 428, 2015, 40-45			
	15	Hervieu, M; Damay, F; Maignan, A; Martin, C, Rare earth ferrites LuFe2O4 +/- x polymorphism, polytypism and metastable phases, SOLID STATE SCIENCES, 48, 2015, A1-A16			
	16	Ikeda, N; Nagata, T; Kano, J; Mori, S, Present status of the experimental aspect of RFe2O4 study, JOURNAL OF PHYSICS-CONDENSED MATTER, 27, 2015, 53201			
	17	Manimuthu, P; Vidya, R; Ravindran, P; Fjellvag, H; Venkateswaran, C, Observation of direct magneto-dielectric behaviour in Lu3Fe5O12-delta above room-temperature, PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 17, 2015, 17688-17698			
	18	Viana, DSF; Garcia, D; Eiras, JA; Olzon-Dionysio, M; Souza, SD; Montanher, DZ; Cotica, LF; Santos, IA; Coelho, AA; Gotardo, RAM, Magnetic states and valence fluctuations in charge frustrated polycrystalline lutetium ferrite samples, SCRIPTA MATERIALIA, 69, 2013, 670-673			
	19	Lafuerza, S; Garcia, J; Subias, G; Blasco, J; Conder, K; Pomjakushina, E, Intrinsic electrical properties of LuFe2O4, PHYSICAL REVIEW B, 88, 2013, 85130			
	20	Makarova, OL; Bourgeois, J; Poienar, M; Mirebeau, I; Kichanov, SE; Andre, G; Elkaim, E; Hanfland, M; Hervieu, M; Maignan, A; Haines, J; Rouquette, J; Martin, C; Damay, F, Pressure effect on the magnetic order of LuFe2O4, APPLIED PHYSICS LETTERS, 103, 2013, 82907			
	21	Angst, M, Ferroelectricity from iron valence ordering in rare earth ferrites?, PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS, 7, 2013, 383-400			
	22	Wang, F; Kim, J; Gu, GD; Lee, Y; Bae, S; Kim, YJ, Oxygen stoichiometry and magnetic properties of LuFe2O4+delta, JOURNAL OF APPLIED PHYSICS, 113, 2013, 63909			
11		M. Poienar, V. Hardy, B. Kundys, K. Singh, A. Maignan, F. Damay and C. Martin, "Revisiting the properties of delafossite CuCrO2: a single crystal study" Journal of Solid State Chemistry 185, 56-61 (2012).	25	6	4.166
	1	Moreira, M; Afonso, J; Crepellie, J; Lenoble, D; Lunca-Popa, P, A review on the p-type transparent Cu-Cr-O delafossite materials, JOURNAL OF MATERIALS SCIENCE, 57, 2022, 3114-3142			
	2	Hu, YD; Li, Y; Wu, HR; Tang, YY; Fan, K; Liu, B; Yu, L, Laser-induced transverse voltage effect in c-axis inclined CuCr0.98Mg0.02O2 thin films with dominant phonon thermal conductivity, JOURNAL OF APPLIED PHYSICS, 130, 2021, 143104			
	3	Apostolova, IN; Apostolov, AT; Trimper, S; Wesselinowa, JM, Dielectric Properties of Relaxor CuCrO2 at Room Temperature, PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, 258, 2021, 2100136			

4	Jiang, HF; Xu, HJ; Wang, P; Fu, P; Pan, PD; Sun, SP, Vacancies effect on structural, electronic and mechanical properties of delafossite CuAlO ₂ , PHYSICA B-CONDENSED MATTER, 616, 2021, 413122
5	Pokhriyal, P; Kumar, A; Singh, MN; Sagdeo, P; Sinha, AK; Sagdeo, A, Distorted octahedra induced anisotropic strain and local disorder in delafossite CuCrO ₂ , SOLID STATE SCIENCES, 117, 2021, 106602
6	Pokhriyal, P; Bhakar, A; Singh, MN; Srivastava, H; Rajput, P; Sagdeo, P; Srivastava, A; Lalla, NP; Sinha, AK; Sagdeo, A, Possibility of relaxor-type ferroelectricity in delafossite CuCrO ₂ near room temperature, SOLID STATE SCIENCES, 112, 2021, 106509
7	Liu, H; Zhu, WH; Ding, XW; Huang, YZ; Bo, ML, Abnormal Deviation of Temperature-Resistivity Correlation for Nanostructured Delafossite CuCrO ₂ Due to Local Reconfiguration, JOURNAL OF PHYSICAL CHEMISTRY C, 124, 2020, 28555-28561
8	Tang, YY; Qin, M; Hu, YD; Cui, K; Zeng, JH; Chen, LW; Yu, L, Solid solubility of Mg and enhanced electrical conduction in the C-axis orientation of CuCr _{1-x} Mg _x O ₂ polycrystals, JOURNAL OF ASIAN CERAMIC SOCIETIES, 8, 2020, 537-541
9	Lin, SS; Shi, Q; Dai, MJ; Wang, KL; Chen, SC; Kuo, TY; Liu, DG; Song, SM; Sun, H, The Optoelectronic Properties of p-Type Cr-Deficient Cu[Cr _{0.95-x} Mg _{0.05}]O-2 Films Deposited by Reactive Magnetron Sputtering, MATERIALS, 13, 2020, 2376
10	Kulbachinskii, VA; Kytin, VG; Kondratieva, DY; Konstantinova, EA; Pavlikov, AV; Grigoriev, AN; Mankevich, AS; Korsakov, IE, Electrical conductivity, thermoelectrical properties, and EPR spectroscopy of copper chromite ceramic samples doped with magnesium, LOW TEMPERATURE PHYSICS, 45, 2019, 194-200
11	Cossuet, T; Resende, J; Rapenne, L; Chaix-Pluchery, O; Jimenez, C; Renou, G; Pearson, AJ; Hoyer, RLZ; Blanc-Pelissier, D; Nguyen, ND; Appert, E; Munoz-Rojas, D; Consonni, V; Deschanvres, JL, ZnO/CuCrO ₂ Core-Shell Nanowire Heterostructures for Self-Powered UV Photodetectors with Fast Response, ADVANCED FUNCTIONAL MATERIALS, 28, 2018, 1803142
12	Garg, AB; Rao, R, Copper Delafossites under High Pressure A Brief Review of XRD and Raman Spectroscopic Studies, CRYSTALS, 8, 2018, 255
13	Apostolov, AT; Apostolova, IN; Trimper, S; Wesselinowa, JM, Dielectric properties of multiferroic CuCrO ₂ , EUROPEAN PHYSICAL JOURNAL B, 90, 2017, 236
14	Samoilova, OV; Makrovets, LA; Mikhailov, GG, Phase Equilibria in Liquid Metal of the Cu-Al-Cr-O System, RUSSIAN JOURNAL OF NON-FERROUS METALS, 58, 2017, 579-585
15	Bansal, D; Niedziela, JL; May, AF; Said, A; Ehlers, G; Abernathy, DL; Huq, A; Kirkham, M; Zhou, HD; Delaire, O, Lattice dynamics and thermal transport in multiferroic CuCrO ₂ , PHYSICAL REVIEW B, 95, 2017, 54306
16	Bolloju, S; Srinivasan, R, Sub-micron-sized delafossite CuCrO ₂ with different morphologies synthesized by nitrate-citric acid sol-gel route, BULLETIN OF MATERIALS SCIENCE, 40, 2017, 195-199
17	Yano, R; Sasagawa, T, Crystal Growth and Intrinsic Properties of ACrX ₂ (A = Cu, Ag; X = S, Se) without a Secondary Phase, CRYSTAL GROWTH & DESIGN, 16, 2016, 5618-5623
18	Ngo, TNM; Palstra, TTM; Blake, GR, Crystallite size dependence of thermoelectric performance of CuCrO ₂ , RSC ADVANCES, 6, 2016, 91171-91178
19	Wu, SZ; Deng, ZH; Dong, WW; Shao, JZ; Fang, XD, Effect of deposition atmosphere on the structure and properties of Mg doped CuCrO ₂ thin films prepared by direct current magnetron sputtering, THIN SOLID FILMS, 595, 2015, 124-128
20	Ngo, TNM; Adem, U; Palstra, TTM, The origin of thermally stimulated depolarization currents in multiferroic CuCrO ₂ , APPLIED PHYSICS LETTERS, 106, 2015, 152904
21	Wu, SZ; Deng, ZH; Dong, WW; Shao, JZ; Fang, XD, Deposition and characterization of Mg doped CuCrO ₂ films by DC magnetron sputtering, MICRO-NANO TECHNOLOGY XV, 609-610, 2014, 255-259
22	Aktas, O; Quirion, G; Otani, T; Kimura, T, First-order ferroelastic transition in a magnetoelectric multiferroic: CuCrO ₂ , PHYSICAL REVIEW B, 88, 2013, 224104
23	Ehlers, G; Podlesnyak, AA; Frontzek, M; Freitas, RS; Ghivelder, L; Gardner, JS; Shiryayev, SV; Barilo, S, A detailed study of the magnetic phase transition in CuCrO ₂ , JOURNAL OF PHYSICS-CONDENSED MATTER, 25, 2013,
24	Okuda, T; Kajimoto, R; Okawa, M; Saitoh, T, EFFECTS OF HOLE-DOPING AND DISORDER ON THE MAGNETIC STATES OF DELAFOSSITE CuCrO ₂ HAVING A SPIN-3/2 ANTIFERROMAGNETIC TRIANGULAR SUBLATTICE, INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 27, 2013, 1330002

	25	Pachoud, E; Singh, K; Breard, Y; Martin, C; Andre, G; Hardy, V; Simon, C; Maignan, A. Magnetic dilution and steric effects in the multiferroic delafossite CuCrO ₂ , PHYSICAL REVIEW B, 86, 2012, 54437			
12		O. Makarova, J. Bourgeois, M. Poienar, I. Mirebeau, S. Kichanov, G. Andre, E. Elkaim, M. Hanfland, M. Hervieu, A. Maignan, J. Haines, J. Rouquette, C. Martin, F. Damay, "Pressure effect on the magnetic order of LuFe₂O₄", Applied Physics Letters 103 (2013) 082907.	5	9.5	0.526
	1	Markovich, V; Fita, I; Wisniewski, A; Puzniak, R; Martin, C; Jung, G; Gorodetsky, G, Phase transitions and magnetic properties of LuFe ₂ O ₄ under pressure, PHYSICAL REVIEW B, 96, 2017, 54416			
	2	Fujii, T; Okamura, N; Hashimoto, H; Nakanishi, M; Kano, J; Ikeda, N, Structural, magnetic and optical properties of YbFe ₂ O ₄ films deposited by spin coating, AIP ADVANCES, 6, 2016, 85213			
	3	Deutsch, M; Hansen, TC; Fernandez-Diaz, MT; Forget, A; Colson, D; Porcher, F; Mirebeau, I, Pressure-induced commensurate phase with potential giant polarization in YMn ₂ O ₅ , PHYSICAL REVIEW B, 92, 2015, 60410			
	4	Manimuthu, P; Vidya, R; Ravindran, P; Fjellvag, H; Venkateswaran, C, Observation of direct magneto-dielectric behaviour in Lu ₃ Fe ₅ O ₁₂ -delta above room-temperature, PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 17, 2015, 17688-17698			
	5	Sibanda, WN; Carleschi, E; Diguët, G; Martin, C; Hearne, GR, Charge ordering dynamics under pressure in LuFe ₂ O ₄ , PROCEEDINGS OF SAIP2014: THE 59TH ANNUAL CONFERENCE OF THE SOUTH AFRICAN INSTITUTE OF PHYSICS, , 2014, 126-131			
13		J. Bourgeois, G. Andre, S. Petit, J. Robert, M. Poienar, J. Rouquette, E. Elkaim, M. Hervieu, A. Maignan, C. Martin, F. Damay, "Evidence of magnetic phase separation in LuFe₂O₄", Phys. Rev. B 86 (2012) 024413.	13	8	1.625
	1	Cheng, SB; Li, X; Xu, CS; Liu, Y; Beleggia, M; Wu, LJ; Wang, WB; Petrovic, C; Bellaiche, L; Tao, J; Zhu, YM, Coexistence and Coupling of Multiple Charge Orderings and Spin States in Hexagonal Ferrite, NANO LETTERS, 21, 2021, 5782-5787			
	2	Yang, F; Feng, QY; Xia, ZC; Lu, QY; Song, YJ; Huang, S; Zhang, XX; Jiang, DQ; Deng, H; Zeng, Z; Niu, HY; Cheng, C; Hou, YB; Tian, ZM, The existence and origin of field-induced ferrimagnetic order transition of LuFe ₂ O ₄ single crystal, JOURNAL OF ALLOYS AND COMPOUNDS, 860, 2021, 158426			
	3	Fedorova, OM; Vedmid', LB, Structural Changes in Ytterbium Ferrite YbFe ₂ O ₄ in the Temperature Range From -150 degrees C TO 300 degrees C, JOURNAL OF STRUCTURAL CHEMISTRY, 59, 2018, 2018-2022			
	4	Ding, L; Orlandi, F; Khalyavin, DD; Boothroyd, AT; Prabhakaran, D; Balakrishnan, G; Manuel, P, Coupling between Spin and Charge Order Driven by Magnetic Field in Triangular Ising System LuFe ₂ O ₄ +delta, CRYSTALS, 8, 2018, 88			
	5	Shen, L; Jellyman, E; Forgan, EM; Blackburn, E; Laver, M; Canevet, E; Schefer, J; He, Z; Itoh, M, Unconventional magnetic phase separation in gamma-CoV ₂ O ₆ , PHYSICAL REVIEW B, 96, 2017, 54420			
	6	Markovich, V; Fita, I; Wisniewski, A; Puzniak, R; Martin, C; Jung, G; Gorodetsky, G, Phase transitions and magnetic properties of LuFe ₂ O ₄ under pressure, PHYSICAL REVIEW B, 96, 2017, 54416			
	7	Hervieu, M; Damay, F; Maignan, A; Martin, C, Rare earth ferrites LuFe ₂ O ₄ +/- x polymorphism, polytypism and metastable phases, SOLID STATE SCIENCES, 48, 2015, A1-A16			
	8	Ikeda, N; Nagata, T; Kano, J; Mori, S, Present status of the experimental aspect of RFe ₂ O ₄ study, JOURNAL OF PHYSICS-CONDENSED MATTER, 27, 2015, 53201			
	9	Gaw, SM; Lewtas, HJ; McMorro, DF; Kulda, J; Ewings, RA; Perring, TG; McKinnon, RA; Balakrishnan, G; Prabhakaran, D; Boothroyd, AT, Magnetic excitation spectrum of LuFe ₂ O ₄ measured with inelastic neutron scattering, PHYSICAL REVIEW B, 91, 2015, 35103			
	10	Sagae, Y; Yamada, K; Ishikawa, T; Itoh, K; Itoh, H; Sasaki, T; Nagata, T; Kano, J; Kambe, T; Ishihara, S; Ikeda, N; Iwai, S, 10 fs Dynamics of Photoinduced Magnetic Transition in Double-Layered Charge Ordering in LuFe ₂ O ₄ Under Interlayer Excitation, ULTRAFAST PHENOMENA XIX, 162, 2015, 252-256			
	11	Yoshii, K; Matsumura, D; Saitoh, H; Kambe, T; Fukunaga, M; Muraoka, Y; Ikeda, N; Mori, S, Current-Induced Enhancement of Magnetic Anisotropy in Spin-Charge-Coupled Multiferroic YbFe ₂ O ₄ , JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 83, 2014, 63708			

	12	Tao, L; Neilson, JR; Melot, BC; McQueen, TM; Masquelier, C; Rouse, G, Magnetic Structures of LiMBO ₃ (M = Mn, Fe, Co) Lithiated Transition Metal Borates, INORGANIC CHEMISTRY, 52, 2013, 11966-11974			
	13	Angst, M, Ferroelectricity from iron valence ordering in rare earth ferrites?, PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS, 7, 2013, 383-400			
14		M. Hervieu, F. Damay, M. Poienar, E. Elkaim, J. Rouquette, A.M. Abakumov, G. Van Tendeloo, A. Maignan, C. Martin, "Nanostructures in LuFe₂O₄+delta", Solid State Sciences 23 (2013) 26-34.	5	7	0.714
	1	Zhang, Y; Wang, WB; Xing, WD; Cheng, SB; Deng, SQ; Angst, M; Yu, CP; Lan, FL; Cheng, ZY; Mandrus, D; Sales, B; Shen, J; Zhong, XY; Tai, NH; Yu, R; Zhu, J, Effect of Oxygen Interstitial Ordering on Multiple Order Parameters in Rare Earth Ferrite, PHYSICAL REVIEW LETTERS, 123, 2019, 247601			
	2	Nicoud, S; Huve, M; Hernandez, O; Pautrat, A; Duttine, M; Wattiaux, A; Colin, C; Kabbour, H; Mentre, O, Comprehensive Study of Oxygen Storage in YbFe ₂ O ₄ +X (X <= 0.5): Unprecedented Coexistence of FeO _n Polyhedra in One Single Phase, JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 139, 2017, 17031-17043			
	3	Ma, CJ; Liu, YF; Lyu, YN, Investigation of Multiply Twins in Mn _{2.02} Co _{0.98} O ₄ Ceramic by Means of Transmission Electron Microscopy, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 99, 2016, 3458-3466			
	4	Mueller, T; de Groot, J; Stremper, J; Angst, M, Stoichiometric YFe ₂ O ₄ (-) (delta) single crystals grown by the optical floating zone method, JOURNAL OF CRYSTAL GROWTH, 428, 2015, 40-45			
	5	Hervieu, M; Damay, F; Maignan, A; Martin, C, Rare earth ferrites LuFe ₂ O ₄ +/- x polymorphism, polytypism and metastable phases, SOLID STATE SCIENCES, 48, 2015, A1-A16			
15		M. Hervieu, A. Guesdon, J. Bourgeois, E. Elkaim, M. Poienar, F. Damay, J. Rouquette, A. Maignan, C. Martin, "Oxygen storage capacity and structural flexibility of LuFe₂O_{4+x} (0<=x<0.5)", Nature Materials 13 (2014) 74-80.	49	7	7
	1	Li, TY; Jayathilake, R; Balisetty, L; Zhang, Y; Wilfong, B; Diethrich, TJ; Rodriguez, EE, Crystal field-induced lattice expansion upon reversible oxygen uptake/release in YbMn _x Fe _{2-x} O ₄ , MATERIALS ADVANCES, 3, 2022, 1087-1100			
	2	Zhang, Y; Yu, R; Zhu, J, Displacement separation analysis from atomic-resolution images, ULTRAMICROSCOPY, 232, 2022, 113404			
	3	Cheng, SB; Li, X; Xu, CS; Liu, Y; Beleggia, M; Wu, LJ; Wang, WB; Petrovic, C; Bellaiche, L; Tao, J; Zhu, YM, Coexistence and Coupling of Multiple Charge Orderings and Spin States in Hexagonal Ferrite, NANO LETTERS, 21, 2021, 5782-5787			
	4	Steinhardt, RA; Brooks, CM; Correa, GC; Holtz, ME; Ramesh, R; Muller, DA; Mundy, JA; Schlom, DG, DyFe ₂ O ₄ : A new trigonal rare-earth ferrite grown by molecular-beam epitaxy, APL MATERIALS, 9, 2021, 41106			
	5	Fujiwara, K; Fukada, Y; Okuda, Y; Seimiya, R; Ikeda, N; Yokoyama, K; Yu, H; Koshihara, S; Okimoto, Y, Direct evidence of electronic ferroelectricity in YbFe ₂ O ₄ using neutron diffraction and nonlinear spectroscopy, SCIENTIFIC REPORTS, 11, 2021, 4277			
	6	Sato, A; Saito, G; Abe, K; Kunisada, Y; Sakaguchi, N; Akiyama, T; Nomura, T, Rapid oxygen storage and release with Brownmillerite-structured Ca ₂ AlMnO ₅ , JOURNAL OF ALLOYS AND COMPOUNDS, 851, 2021, 156817			
	7	Wilson, SA; Stechel, EB; Ermanoski, I; Muhich, CL, Substituted ALPO-5 Zeolites as Promising O-2 Sorption Pump Materials: A Density Functional Theory Study, JOURNAL OF PHYSICAL CHEMISTRY C, 125, 2021, 1269-1281			
	8	Narayanan, AM; Umarji, AM, Rare earth barium cobaltites: potential candidates for low-temperature oxygen separation, SN APPLIED SCIENCES, 2, 2020, 449			
	9	Zhang, Y; Wang, WB; Xing, WD; Cheng, SB; Deng, SQ; Angst, M; Yu, CP; Lan, FL; Cheng, ZY; Mandrus, D; Sales, B; Shen, J; Zhong, XY; Tai, NH; Yu, R; Zhu, J, Effect of Oxygen Interstitial Ordering on Multiple Order Parameters in Rare Earth Ferrite, PHYSICAL REVIEW LETTERS, 123, 2019, 247601			
	10	Vrankic, M; Saric, A; Bosnar, S; Pajic, D; Dragovic, J; Altomare, A; Falcicchio, A; Popovic, J; Juric, M; Petravic, M; Badovinac, IJ; Drazic, G, Magnetic oxygen stored in quasi-1D form within BaAl ₂ O ₄ lattice, SCIENTIFIC REPORTS, 9, 2019, 15158			
	11	Zheng, K, Enhanced oxygen mobility by doping Yb in BaGd _{1-x} Yb _x Mn ₂ O ₅ +delta double perovskite-structured oxygen storage materials, SOLID STATE IONICS, 335, 2019, 103-112			
	12	Xu, CL; Jiang, PF; Cong, RH; Yang, T, Structure investigation of InGaZn _{1-x} Cu _x O ₄ (x=0-1) and magnetic property of InGaCuO ₄ , JOURNAL OF SOLID STATE CHEMISTRY, 274, 2019, 303-307			

13	Deng, SQ; Wu, LJ; Cheng, H; Zheng, JC; Cheng, SB; Li, J; Wang, WB; Shen, J; Tao, J; Zhu, J; Zhu, Y, Charge-Lattice Coupling in Hole-Doped LuFe ₂ O ₄ +delta: The Origin of Second-Order Modulation, PHYSICAL REVIEW LETTERS, 122, 2019, 126401
14	Rai, RC; Hinz, J; Pascolini, M; Sun, F; Zeng, H, Electronic excitations and optical properties of YbFe ₂ O ₄ thin films, THIN SOLID FILMS, 673, 2019, 57-61
15	Hosokawa, S, Hexagonal Rare Earth-Iron Mixed Oxides (REFeO ₃): Crystal Structure, Synthesis, and Catalytic Properties, FRONTIERS IN CHEMISTRY, 7, 2019, 8
16	Beppu, K; Hosokawa, S; Asakura, H; Teramura, K; Tanaka, T, Efficient oxygen storage property of Sr-Fe mixed oxide as automotive catalyst support, JOURNAL OF MATERIALS CHEMISTRY A, 7, 2019, 1013-1021
17	Guo, ZG; Xiong, CY; Luo, ZC; Zhang, XZ, Regulation of electrical and magnetic properties in amorphous CoFeTaBO films, THIN SOLID FILMS, 669, 2019, 114-119
18	Abdelkader, HS; Mahmoudi, A; Faraoun, HI; Merad, G, Comparative Study on the Charge-Ordered and Mixed-Valence Phases of LuFe ₂ O ₄ via First-Principles Calculations, JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, 31, 2018, 2915-2923
19	Beppu, K; Hosokawa, S; Demizu, A; Oshino, Y; Tamai, K; Kato, K; Wada, K; Asakura, H; Teramura, K; Tanaka, T, Striking Oxygen-Release/Storage Properties of Fe-Site-Substituted Sr ₃ Fe ₂ O ₇ -delta, JOURNAL OF PHYSICAL CHEMISTRY C, 122, 2018, 11186-11193
20	Jayathilake, RS; Levitas, BD; Rodriguez, EE, In situ diffraction studies on reversible oxygen uptake and release in AFe ₂ O ₄ (+) (delta) (A= Lu, Yb, Y, and In), JOURNAL OF MATERIALS CHEMISTRY A, 6, 2018, 4801-4810
21	Duan, XP; Wen, ZJ; Zhao, YX; Zhou, JF; Fang, HH; Cao, YN; Jiang, LL; Ye, LM; Yuan, YZ, Intercalation of nanostructured CeO ₂ in MgAl ₂ O ₄ spinel illustrates the critical interaction between metal oxides and oxides, NANOSCALE, 10, 2018, 3331-3341
22	Tan, S; Li, DM, Enhancing Oxygen Storage Capability and Catalytic Activity of Lanthanum Oxysulfide (La ₂ O ₂ S) Nanocatalysts by Sodium and Iron/Sodium Doping, CHEMCATCHEM, 10, 2018, 550-558
23	Ding, L; Orlandi, F; Khalyavin, DD; Boothroyd, AT; Prabhakaran, D; Balakrishnan, G; Manuel, P, Coupling between Spin and Charge Order Driven by Magnetic Field in Triangular Ising System LuFe ₂ O ₄ +delta, CRYSTALS, 8, 2018, 88
24	Nicoud, S; Huve, M; Hernandez, O; Pautrat, A; Duttine, M; Wattiaux, A; Colin, C; Kabbour, H; Mentre, O, Comprehensive Study of Oxygen Storage in YbFe ₂ O ₄ +X (X <= 0.5): Unprecedented Coexistence of FeOn Polyhedra in One Single Phase, JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 139, 2017, 17031-17043
25	Sun, W; Saleemi, AS; Luo, ZC; Guo, ZG; Xiong, CY; Lu, ZY; Zhang, XZ, Electric and magnetic properties of magnetic (CoFeTaB) _(100-x) O-x films, JOURNAL OF APPLIED PHYSICS, 122, 2017, 165101
26	Liu, XM; Jin, ZM; Cheng, ZX; Lin, X; Balakrishnan, G; Ma, GH, Terahertz Spectra Revealing the Collective Excitation Mode in Charge-Density-Wave Single Crystal LuFe ₂ O ₄ , PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS, 11, 2017, 1700177
27	Aoki, Y; Kuroda, K; Hinokuma, S; Kura, C; Zhu, C; Tsuji, E; Nakao, A; Wakeshima, M; Hinatsu, Y; Habazaki, H, Low-Temperature Oxygen Storage of Cr-IV-Cr-V Mixed-Valence YCr _{1-x} PxO ₄ -delta Driven by Local Condensation around Oxygen-Deficient Orthochromite, JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 139, 2017, 11197-11206
28	Pei, HY; Guo, SJ; Ren, LX; Chen, CL; Luo, BC; Dong, XL; Jin, KX; Ren, R; Zeeshan, HM, The Frustration-induced Ferroelectricity of a Manganite Tricolor Superlattice with Artificially Broken Symmetry, SCIENTIFIC REPORTS, 7, 2017, 6201
29	Beppu, K; Hosokawa, S; Shibano, T; Demizu, A; Kato, K; Wada, K; Asakura, H; Teramura, K; Tanaka, T, Enhanced oxygen-release/storage properties of Pd-loaded Sr ₃ Fe ₂ O ₇ -delta, PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 19, 2017, 14107-14113
30	Kobayashi, H; Fujiwara, K; Kobayashi, N; Ogawa, T; Sakai, M; Tsujimoto, M; Seri, O; Mori, S; Ikeda, N, Stability of cluster glass state in nano order sized YbFe ₂ O ₄ powders, JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, 103, 2017, 103-108
31	Saito, G; Kunisada, Y; Hayami, K; Nomura, T; Sakaguchi, N, Atomic and Local Electronic Structures of Ca(2)AlMnO(5+delta) as an Oxygen Storage Material, CHEMISTRY OF MATERIALS, 29, 2017, 648-655

	32	Kobayashi, H; Fujiwara, K; Kobayashi, N; Karasudani, T; Sakai, M; Ikeda, N; Mori, S; Seri, O, Ferroelectric and magnetic properties for nano particles of multiferroic YbFe ₂ O ₄ , FERROELECTRICS, 512, 2017, 77-84			
	33	Singh, H; Sinha, AK; Gupta, SM; Singh, MN; Ghosh, H, Insight into the Growth Reaction Mechanism of Ceramic Co ₃ TeO ₆ : Synchrotron Structural and Thermal Analysis, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 99, 2016, 3443-3448			
	34	Yan, YB; Li, KX; Dai, YH; Chen, XP; Zhao, J; Yan, Y; Huang, JJ; Yang, YH; Lee, JM, Controlled Synthesis of 3D Nanoplate-Assembled La ₂ O ₃ Hierarchical Microspheres for Enzyme-Free Detection of Hydrogen Peroxide, ADVANCED MATERIALS INTERFACES, 3, 2016, 1500833			
	35	Motohashi, T; Kimura, M; Masubuchi, Y; Kikkawa, S; George, J; Dronskowski, R, Significant Lanthanoid Substitution Effect on the Redox Reactivity of the Oxygen-Storage Material BaYMn ₂ O _{5+delta} , CHEMISTRY OF MATERIALS, 28, 2016, 4409-4414			
	36	Bergerud, A; Selbach, SM; Milliron, DJ, Oxygen Incorporation and Release in Metastable Bixbyite V ₂ O ₃ Nanocrystals, ACS NANO, 10, 2016, 6147-6155			
	37	Gamzatov, AG; Aliev, AM; Markelova, MN; Burunova, NA; Kaul', AR; Semisalova, AS; Perov, NS, Magnetic and magnetocaloric properties of LuFe _{2-x} Mn (x) O _{4+delta} multiferroics, PHYSICS OF THE SOLID STATE, 58, 2016, 1143-1147			
	38	Hearne, GR; Carleschi, E; Sibanda, WN; Musyimi, P; Diguët, G; Kudasov, YB; Maslov, DA; Korshunov, AS, Coexistence of site- and bond-centered electron localization in the high-pressure phase of LuFe ₂ O ₄ , PHYSICAL REVIEW B, 93, 2016, 105101			
	39	Rai, RC; Hinz, J; Petronilo, GXA; Sun, F; Zeng, H; Nakarmi, ML; Niraula, PR, Signature of structural distortion in optical spectra of YFe ₂ O ₄ thin film, AIP ADVANCES, 6, 2016, 25021			
	40	Hosokawa, S; Tada, R; Shibano, T; Matsumoto, S; Teramura, K; Tanaka, T, Promoter effect of Pd species on Mn oxide catalysts supported on rare-earth-iron mixed oxide, CATALYSIS SCIENCE & TECHNOLOGY, 6, 2016, 7868-7874			
	41	Mueller, T; de Groot, J; Stremper, J; Angst, M, Stoichiometric YFe ₂ O ₄ (-) (delta) single crystals grown by the optical floating zone method, JOURNAL OF CRYSTAL GROWTH, 428, 2015, 40-45			
	42	Hervieu, M; Damay, F; Maignan, A; Martin, C, Rare earth ferrites LuFe ₂ O ₄ +/- x polymorphism, polytypism and metastable phases, SOLID STATE SCIENCES, 48, 2015, A1-A16			
	43	Jeamjumnunja, K; Gong, WQ; Makarenko, T; Jacobson, AJ, A determination of the oxygen non-stoichiometry of the oxygen storage material YBaMn ₂ O _{5+delta} , JOURNAL OF SOLID STATE CHEMISTRY, 230, 2015, 397-403			
	44	Close, T; Tulsyan, G; Diaz, CA; Weinstein, SJ; Richter, C, Reversible oxygen scavenging at room temperature using electrochemically reduced titanium oxide nanotubes, NATURE NANOTECHNOLOGY, 10, 2015, 418-422			
	45	Motohashi, T; Takahashi, T; Kimura, M; Masubuchi, Y; Kikkawa, S; Kubota, Y; Kobayashi, Y; Kageyama, H; Takata, M; Kitagawa, S; Matsuda, R, Remarkable Oxygen Intake/Release of BaYMn ₂ O _{5+delta} Viewed from High-Temperature Crystal Structure, JOURNAL OF PHYSICAL CHEMISTRY C, 119, 2015, 2356-2363			
	46	Beppu, K; Hosokawa, S; Teramura, K; Tanaka, T, Oxygen storage capacity of Sr ₃ Fe ₂ O _{7-delta} having high structural stability, JOURNAL OF MATERIALS CHEMISTRY A, 3, 2015, 13540-13545			
	47	Parkkima, O; Malo, S; Hervieu, M; Rautama, EL; Karppinen, M, New RMnO _{3+delta} (R=Y, Ho; delta approximate to 0.35) phases with modulated structure, JOURNAL OF SOLID STATE CHEMISTRY, 221, 2015, 109-115			
	48	Singh, H; Ghosh, H; Rao, TVC; Sinha, AK; Rajput, P, Observation of high-spin mixed oxidation state of cobalt in ceramic Co ₃ TeO ₆ , JOURNAL OF APPLIED PHYSICS, 116, 2014, 214106			
	49	Peck, MA; Sibanda, WN; Diguët, G; Martin, C; Carleschi, E; Hearne, GR, Synthesis and magnetic-electronic characterization of mixed-valence LuFe ₂ O _{4-delta} : effect of stoichiometry delta, PROCEEDINGS OF SAIP2014: THE 59TH ANNUAL CONFERENCE OF THE SOUTH AFRICAN INSTITUTE OF PHYSICS, , 2014, 114-119			
16		F. Damay, M. Poienar, M. Hervieu, A. Guesdon, J. Bourgeois, T. Hansen, E. Elkaïm, J. Haines, P. Hermet, L. Konczewicz, T. Hammouda, J. Rouquette, and C. Martin, High-pressure polymorph of LuFe₂O₄ with room-temperature antiferromagnetic order, Phys. Rev. B 91, 2015, 214111.	3	9	0.333

	1	Bai, CG; Chai, CC; Fan, QY; Liu, YQ; Yang, YT, A Novel Silicon Allotrope in the Monoclinic Phase, MATERIALS, 10, 2017, 441			
	2	Hearne, GR; Carleschi, E; Sibanda, WN; Musyimi, P; Diguët, G; Kudasov, YB; Maslov, DA; Korshunov, AS, Coexistence of site- and bond-centered electron localization in the high-pressure phase of LuFe ₂ O ₄ , PHYSICAL REVIEW B, 93, 2016, 105101			
	3	Hervieu, M; Damay, F; Maignan, A; Martin, C, Rare earth ferrites LuFe ₂ O ₄ +/- x polymorphism, polytypism and metastable phases, SOLID STATE SCIENCES, 48, 2015, A1-A16			
17		M. Poienar, A. Maignan, P. Sfirloaga, S. Malo, P. Vlazan, A. Guesdon, F. Lainé, J. Rouquette and C. Martin, "Polar Space Group and Complex Magnetism in Ni₁₁(HPO₃)₈(OH)₆: towards a new multiferroic material?", Solid State Sciences (2014) 92-96.	2	7	0.285
	1	Shvanskaya, LV; Yakubovich, OV, Flexible Frameworks and Physical Properties of Compounds with Transition Metals, Derived from Ellenbergerite and beta-Tridymite, CRYSTALLOGRAPHY REPORTS, 66, 2021, 10-28			
	2	Kovrugin, VM; Gordon, EE; Kasapbasi, EE; Whangbo, MH; Colmont, M; Siidra, OI; Colis, S; Krivovichev, SV; Mentre, O, Bonding Scheme, Hydride Character, and Magnetic Paths of (HPO ₃) ₂ - Versus (SeO ₃) ₂ - Building Units in Solids, JOURNAL OF PHYSICAL CHEMISTRY C, 120, 2016, 1650-1656			
18		J.-M. Rueff, M. Poienar, A. Guesdon, C. Martin, A. Maignan, P.-A. Jaffrès, "Hydrothermal synthesis for new multifunctional materials: a few examples of phosphates and phosphonate-based hybrid materials." J. Solid State Chem. 236 (2016) 236.	10	5.5	1.818
	1	Bian, R; Su, T; Gao, YD; Chen, Y; Zhu, SY; Liu, CG; Wang, XZ; Qu, Z; Zhang, YX; Zhang, H, Enrichment and recycling of Zn from electroplating wastewater as zinc phosphate via coupled coagulation and hydrothermal route, ARABIAN JOURNAL OF CHEMISTRY, 15, 2022, 103664			
	2	Lecuyer, T; Bia, N; Burckel, P; Loubat, C; Graillot, A; Seguin, J; Corvis, Y; Liu, JH; Valero, L; Scherman, D; Mignet, N; Richard, C, Persistent luminescence nanoparticles functionalized by polymers bearing phosphonic acid anchors: synthesis, characterization, and in vivo behaviour, NANOSCALE, 14, 2022, 1386-1394			
	3	Beaubras, F; Rueff, JM; Perez, O; Veillon, F; Caignaert, V; Lohier, JF; Cardin, J; Rogez, G; Jestin, C; Couthon, H; Jaffres, PA, M(H ₂ O)(PO ₃ C ₁₀ H ₆ OH)center dot(H ₂ O)(0.5) (M = Co, Mn, Zn, Cu): a new series of layered metallophosphonate compounds obtained from 6-hydroxy-2-naphthylphosphonic acid, DALTON TRANSACTIONS, 49, 2020, 3877-3891			
	4	Cordaro, M; Foti, C; Giacobello, F; Giuffrè, O; Sammartano, S, Phosphonic Derivatives of Nitrilotriacetic Acid as Sequestering Agents for Ca ²⁺ in Aqueous Solution: A Speciation Study for Application in Natural Waters, ACS EARTH AND SPACE CHEMISTRY, 3, 2019, 1942-1954			
	5	Bloyet, C; Rueff, JM; Caignaert, V; Raveau, B; Lohier, JF; Roger, M; Rogez, G; Jaffres, PA, Manganese Fluorene Phosphonates: Formation of Isolated Chains, INORGANICS, 6, 2018, 92			
	6	Araujo, IMS; Silva, RR; Pacheco, G; Lustrì, WR; Tercjak, A; Gutierrez, J; Junior, JRS; Azevedo, FHC; Figueredo, GS; Vega, ML; Ribeiro, SJL; Barud, HS, Hydrothermal synthesis of bacterial cellulose-copper oxide nanocomposites and evaluation of their antimicrobial activity, CARBOHYDRATE POLYMERS, 179, 2018, 341-349			
	7	Sevrain, CM; Berchel, M; Couthon, H; Jaffres, PA, Phosphonic acid: preparation and applications, BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, 13, 2017, 2186-2213			
	8	Cardiano, P; Foti, C; Giuffrè, O, Removal of di- and tri-alkyltin(IV) compounds by polyphosphonate ligand: A speciation perspective, JOURNAL OF MOLECULAR LIQUIDS, 240, 2017, 128-137			
	9	Cardiano, P; Cigala, RM; Cordaro, M; De Stefano, C; Milea, D; Sammartano, S, On the complexation of metal cations with pure diethylenetriamine-N,N,N',N',N''-pentakis(methylenephosphonic) acid, NEW JOURNAL OF CHEMISTRY, 41, 2017, 4065-4075			
	10	Hugot, N; Roger, M; Rueff, JM; Cardin, J; Perez, O; Caignaert, V; Raveau, B; Rogez, G; Jaffres, PA, Copper-Fluorenephosphonate Cu(PO ₃ -C ₁₃ H ₉)center dot H ₂ O: A Layered Antiferromagnetic Hybrid, EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, , 2016, 266-271			

19	P. Sfirloaga, I. Malaescu, <u>M. Poienar</u>, C. M. Nicolae, D. Malaescu, P. Vlazan, "Synthesis, structural and electrical properties of NaTaO₃:Cu", J. Materials Science: Materials in Electronics 27 (2016) 11640-11645.		1	5.5	0.181
	1	Sfirloaga, P; Malaescu, I; Marin, CN; Vlazan, P, The effect of partial substitution of Pd in LaMnO ₃ polycrystalline materials synthesized by sol-gel technique on the electrical performance, JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, 92, 2019, 537-545			
20	P. Vlazan, M. Stoia, <u>M. Poienar</u>, P. Sfirloaga, "Phase transition behaviour and physicochemical properties of KNbO₃ ceramics", Ceramics International 43 (2017) 5963-5967.		3	4	0.75
	1	Xi, KB; Li, YL; Zheng, ZS; Zhang, LF; Liu, Y; Mi, YS, Polymorphic Phase Transition and Domain Configurations of (K, Na)NbO ₃ -Based Lead-Free Ceramics Modified by (Ba _{0.6} Ca _{0.4})ZrO ₃ , ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY, 10, 2021, 13006			
	2	Fu, YB; Wei, L; Zhang, HD; Wang, XP; Liu, B; Zhang, YY; Lv, XS; Zhou, JX; Yu, HJ; Hu, YY; Li, JR, Phonon anharmonic investigation on the different structural phase transition processes of cubic KNbO ₃ and KTaO ₃ , RESULTS IN PHYSICS, 19, 2020, 103591			
	3	Wermuth, TB; Baibich, MN; Ribeiro, TMH; Bergmann, CP, The rapid synthesis of nanostructured orthorhombic KNbO ₃ particles by a microwave-assisted hydrothermal method and their characterization, CERAMICS INTERNATIONAL, 44, 2018, 4758-4765			
21	Christine Martin and <u>M. Poienar</u>, "Mixed valence transition metal 2D-oxides: Comparison between delafossite and crednerite compounds ", Journal of Crystal Growth 472 (2017), 71-75.		4	2	2
	1	Bouakaz, H; Abbas, M; Brahim, R; Trari, M, Physical properties of the delafossite CuCoO ₂ synthesized by co-precipitation/hydrothermal route, MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, 136, 2021, 106132			
	2	Cretu, C; Cseh, L; Tudose, R; Bora, A; Matsia, S; Hatzidimitriou, A; Costisor, O; Salifoglou, A, Piperazine core-containing Schiff ligands define chemical reactivity toward divalent metal ions, INORGANICA CHIMICA ACTA, 492, 2019, 249-261			
	3	Mahroua, O; Alili, B; Ammari, A; Bellal, B; Bradai, D; Trari, M, On the physical and semiconducting properties of the crednerite AgMnO ₂ prepared by sol-gel auto-ignition, CERAMICS INTERNATIONAL, 45, 2019, 10511-10517			
	4	Pu, Y; Zhu, S; Wang, PH; Zhou, YQ; Yang, P; Xuan, SS; Zhang, YP; Zhang, HP, Novel branched sulfonated polyimide/molybdenum disulfide nanosheets composite membrane for vanadium redox flow battery application, APPLIED SURFACE SCIENCE, 448, 2018, 186-202			
22	<u>M. Poienar</u>, C. Martin, O.I. Lebedev, A. Maignan, "Advantage of low-temperature hydrothermal synthesis to grow stoichiometric crednerite crystals", Solid State Sci. 80, 39 (2018).		4	4	1
	1	Fu, SX; Liang, B; Li, Y; Lai, SY; Li, LP; Feng, T; Li, GS, Layered Cu _{1-z} Mn _{1+z} O ₂ Crednerite: Mapping the Phase Stabilization Region via Precise Compositional Control for Optimum Supercapacitor Performance, INORGANIC CHEMISTRY, 61, 2022, 2576-2586			
	2	Akman, E, Enhanced photovoltaic performance and stability of dye-sensitized solar cells by utilizing manganese-doped ZnO photoanode with europium compact layer, JOURNAL OF MOLECULAR LIQUIDS, 317, 2020, 114223			
	3	Santiago, AAG; Tranquilin, RL; Oliveira, MC; Ribeiro, RAP; de Lazaro, SR; Correa, MA; Bohn, F; Longo, E; Motta, FV; Bomio, MRD, Disclosing the Structural, Electronic, Magnetic, and Morphological Properties of CuMnO ₂ : A Unified Experimental and Theoretical Approach, JOURNAL OF PHYSICAL CHEMISTRY C, 124, 2020, 5378-5388			
	4	Sakaki, M; Okubi, R; Feng, YQ; Kajiyoshi, K, Hydrothermal synthesis followed by post heat-treatment: A novel route for the fabrication of KCa ₂ Nb ₃ O ₁₀ layered compound, SOLID STATE SCIENCES, 82, 2018, 59-64			
23	P. Sfirloaga, <u>M. Poienar</u>, I. Malaescu, A. Lungu, A., C.V. Mihali, P. Vlazan, "Electrical conductivity of Ca-substituted lanthanum manganites", Ceramics International 44 (2018) 5823-5828.		10	5.5	1.818
	1	V.S.Vadgama, K. Gadani, B. Udeshi, M. Gal, K.N. Rathod, H. Boricha, V.G. Shrimali, S. Solanki, A. Zankat, V. Pachchigar, R.K. Trivedi, A.D. Joshi, M. Ranjan, P.S. Solanki, N.A. Shah, D.D. Pandya, Electronic phase derived impedance spectroscopic behavior of La _{0.5} Nd _{0.2} A _{0.3} MnO ₃ manganites, Journal of Alloys and Compounds 885, 2021, 160930.			

	2	Ha-Eun Gang, Gyu-Tae Park, Ha-Bin Jeon, Soo-Yeon Kim & Young Gyu Jeong, PAN/lignin and LaMnO ₃ -derived hybrid nanofibers for self-standing high-performance energy storage electrode materials, <i>Journal of Materials Science</i> 56, 2021, 19636–19650.			
	3	Sheng'an Yang, Qingming Chen, Jin Hu, Yunrui Yang, Yan Gao, Ruidong Xu, Hui Zhang, Ji Ma, Robust temperature coefficient of resistance of polycrystalline La _{0.6} Ca _{0.4} MnO ₃ under magnetic fields at room temperature, <i>Ceramics International</i> 47, 2021, 29631-29637.			
	4	P. Sfirloaga, G. Vlase, T. Vlase, I. Malaescu, C. Nicolae Marin and P. Vlazan, Silver doping in lanthanum manganite materials: structural and electrical properties, <i>Journal of Thermal Analysis and Calorimetry</i> 142, 2020, 1817–1823.			
	5	Sang Xu, Zhang Huimin, Chang Aiming, Zhou Junyi, Li Haibing, Li Xiaohui, Correlation between B value deviation and sintering temperature of perovskite solid solution materials, <i>Journal of the American Ceramic Society</i> , 2019-11-13			
	6	N. Hamdaoui, Y. Azizian-Kalandaragh, M. Khlifi, L. Beji, Structural, magnetic and dielectric properties of Ni _{0.6} Mg _{0.4} Fe ₂ O ₄ ferromagnetic ferrite prepared by sol gel method, <i>Ceramics International</i> 45, 2019, 16458-16465.			
	7	Shovan Kumar Kundu, Dhiraj Kumar Rana and Soumen Basu, Observation of room temperature multiferroic and electrical properties in gadolinium ferrite nanoparticles, <i>Modern Physics Letters B</i> 33, 2019, 1950243.			
	8	Shovan Kumar Kundu, Dhiraj Kumar Rana, Laxmikanta Karmakar, Debajyoti Das and Soumen Basu, Enhanced multiferroic, magnetodielectric and electrical properties of Sm doped Lanthanum ferrite nanoparticles, <i>Journal of Materials Science: Materials in Electronics</i> 30, 2019, 10694–10710.			
	9	N.T. Dang, V.S. Zakhvalinskii, D.P. Kozlenko, The-Long Phan, S.E. Kichanov, S.V.Trukhanov, A.V.Trukhanov, Yu.S.Nekrasova, S.V.Taran, S.V.Ovsyannikov, S.H.Jabarov, E.L.Trukhanova, Effect of Fe doping on structure, magnetic and electrical properties La _{0.7} Ca _{0.3} Mn _{0.5} Fe _{0.5} O ₃ manganite, <i>Ceramics International</i> 44, 2018, 14974-14979.			
	10	Yu Tan, Yunfei Xu, Hao Zhang, Chenhao Sun, Kexin Liang, Shenghan Zhang, Pulse Electroplating of Ultra-Fine Grained Zinc Coating on 316L Stainless Steel and its Corrosion Behaviour, <i>Int. J. Electrochem. Sci.</i> , 14 (2019) 5913 – 5922.			
24		P. Sfirloaga, M. Poienar, I. Malaescu, A. Lungu, P. Vlazan, "Perovskite type lanthanum manganite: Morpho-structural analysis and electrical investigations", <i>Journal of Rare Earths</i> 36 (2018) 499-504.	5	5	1
	1	Ohhun Kwon, Alexandre C.Foucher, Renjing Huang, Eric A.Stach, John M.Vohs, Raymond J.Gorte, Evidence for redispersion of Ni on LaMnO ₃ films following high-temperature oxidation, <i>Journal of Catalysis</i> 407, 2022, 213-220.			
	2	Dongyue Zhao, Yuexi Yang, Zhongnan Gao, Ye Tian, Jing Zhang, Zheng Jiang, Xingang Li, A-site defects in LaSrMnO ₃ perovskite-based catalyst promoting NO _x storage and reduction for lean-burn exhausts, <i>Journal of Rare Earths</i> 39, 2021, 959-968.			
	3	M N Abdillah, D Triyono, A W Anugrah and R A Rafsanjani, Structural and vibrational analysis of LaFe _{1-x} Mn _x O ₃ (x = 0.05, 0.10, 0.15 and 0.20) perovskite materials, <i>IOP Conf. Ser.: Mater. Sci. Eng.</i> 902 (2020) 012036.			
	4	Haiying Wang, Hongjing Han, Enhao Sun, Yanan Zhang, Jinxin Li, Yanguang Chen, Hua Song, Hongzhi Zhao, Yue Kang, Production of aryl oxygen-containing compounds by catalytic pyrolysis of bagasse lignin over LaTi _{0.2} Fe _{0.8} O ₃ prepared by different methods, <i>Journal of Rare Earths</i> 38, 2020, 76-83.			
	5	S.V. Trukhanov, V.A. Khomchenko, D.V. Karpinsky, M.V.Silibin, A.V.Trukhanov, L.S.Lobanovsky, H.Szymczak, C.E.Botez, I.O.Troyanchuk, A-site ordered state in manganites with perovskite-like structure based on optimally doped compounds Ln _{0.70} Ba _{0.30} MnO ₃ (Ln = Pr, Nd), <i>Journal of Rare Earths</i> 37, 2019, 1242-1249.			
25		I. Malaescu, A. Lungu, C. N. Marin, P. Sfirloaga, P. Vlazan, P., S. Brindusoiu, M. Poienar, "Temperature dependence of the dynamic electrical properties of Cu_{1+x}Mn_{1-x}O₂ (x = 0 and 0.06) crednerite materials", <i>Ceramics International</i> 44 (2018) 11610-11616.	3	6	0.5
	1	Teusdea, A; Malaescu, I; Sfirloaga, P; Marin, CN, Electric and Dielectric Properties in Low-Frequency Fields of Composites Consisting of Silicone Rubber and Al Particles for Flexible Electronic Devices, <i>MATERIALS</i> , 15, 2022, 2309			
	2	Fu, SX; Liang, B; Li, Y; Lai, SY; Li, LP; Feng, T; Li, GS, Layered Cu _{1-z} Mn _{1+z} O ₂ Crednerite: Mapping the Phase Stabilization Region via Precise Compositional Control for Optimum Supercapacitor Performance, <i>INORGANIC CHEMISTRY</i> , 61, 2022, 2576-2586			

	3	Brindusoiu, S; Sfirloaga, P; Vlazan, P; Fannin, PC; Malaescu, I; Marin, CN, The Electrical Conductivity of Giniite Fe-5(PO4)(4)(OH)(3)center dot 2H(2)O Materials, TIM 19 PHYSICS CONFERENCE, 2218, 2020, 30017			
26		M. Poienar, R. Banica, P. Sfirloaga, C. Ianasi, C.V. Mihali, P. Vlazan, "Microwave-assisted hydrothermal synthesis and catalytic activity study of crednerite-type CuMnO2 materials" Ceramics International 44 (2018) 6157-6161.	6	5.5	1.09
	1	Fu, SX; Liang, B; Li, Y; Lai, SY; Li, LP; Feng, T; Li, GS, Layered Cu1-zMn1+zO2 Crednerite: Mapping the Phase Stabilization Region via Precise Compositional Control for Optimum Supercapacitor Performance, INORGANIC CHEMISTRY, 61, 2022, 2576-2586			
	2	Dong, XY; Wang, JX; Yang, JD; Wang, X; Zhu, L; Zeng, W; Wang, JF; Pan, FS, CuMnO2 Nanoflakes as Cathode Catalyst for Oxygen Reduction Reaction in Magnesium-Air Battery, JOURNAL OF THE ELECTROCHEMICAL SOCIETY, 168, 2021, 100502			
	3	Santiago, AAG; Tranquilin, RL; Oliveira, MC; Ribeiro, RAP; de Lazaro, SR; Correa, MA; Bohn, F; Longo, E; Motta, FV; Bomio, MRD, Disclosing the Structural, Electronic, Magnetic, and Morphological Properties of CuMnO2: A Unified Experimental and Theoretical Approach, JOURNAL OF PHYSICAL CHEMISTRY C, 124, 2020, 5378-5388			
	4	Xiong, DH; Gao, H; Deng, YW; Qi, Y; Du, ZJ; Zeng, XW; Li, H, Impact of Mg doping on the optical and electrical properties of p-type CuMnO2 ultrathin nanosheets, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 31, 2020, 5452-5461			
	5	Li, JW; Li, W, Hierarchical copper oxide microspheres prepared in an ordinary household microwave oven, MICRO & NANO LETTERS, 14, 2019, 804-807			
	6	Balasubramanian, P; Annalakshmi, M; Chen, SM; Sathesh, T; Peng, TK; Balamurugan, TST, Facile Solvothermal Preparation of Mn2CuO4 Microspheres: Excellent Electrocatalyst for Real-Time Detection of H2O2 Released from Live Cells, ACS APPLIED MATERIALS & INTERFACES, 10, 2018, 43543-43551			
27		M. Poienar, P. Sfirloaga, C. Martin, D. Ursu, P. Vlazan, "Hydrothermal synthesis of crednerite CuMn1-xMxO2 (M = Mg, Al; x = 0-0.08): structural characterisation and magnetic properties", Journal of Materials Science 53 (2018) 2389-2395.	1	5	0.2
	1	Xiong, DH; Gao, H; Deng, YW; Qi, Y; Du, ZJ; Zeng, XW; Li, H, Impact of Mg doping on the optical and electrical properties of p-type CuMnO2 ultrathin nanosheets, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 31, 2020, 5452-5461			
28		M. Poienar, P. Sfirloaga, P. Vlazan, "Investigation of thermal and magnetic behaviour of mixed valence iron hydroxyphosphate from Fe3(PO4)2(OH)2 lipscombite systems", Ceramics International 45 (13) 16540-16544 (2019).	1	3	0.333
	1	Guo, J; Mo, XL; Wu, FY; Yu, M, A novel environment-friendly synthesis of high purity micron iron phosphate and its application as a precursor of lithium iron phosphate, MATERIALS RESEARCH EXPRESS, 7, 2020, 95504			
29		P. Vlazan, S. F. Rus, M. Poienar*, P. Sfirloaga "The Effect of Dopant Concentrations on the Structural, Morphological and Optical Properties of NaNbO3 Semiconductor Materials", Materials Science in Semiconductor Processing 102 (2019) 104602.	5	4	1.25
	1	Xu, JW; Gong, Y; Zhang, ZX; Xiao, QY; Xu, XL; Fang, XZ; Wang, X, A(+1)Nb(5+)O(3) (A = Li, Na, K) Perovskites with Different Fine Structures for Oxidative Coupling of Methane: Tracing the Crystalline Phase Effect on the Surface Active Sites, JOURNAL OF PHYSICAL CHEMISTRY C, 125, 2021, 26460-26471			
	2	Nfissi, A; Ababou, Y; Belhajji, M; Sayouri, S; Hajji, L; Bennani, MN, Investigation of Ba and Ti sites occupation effects on structural, optical and dielectric properties of sol gel processed Y-doped BaTiO3 ceramics, OPTICAL MATERIALS, 122, 2021, 111708			
	3	Liu, YF; Wang, WF; Liu, C; Liu, CC; Xu, JK; Zhu, ZY; Yang, JJ; Wang, YY; Jiang, FX, Effects of inorganic salt NaNbO3 composite on the thermoelectric properties of tellurium nanorods thin slice, JOURNAL OF ALLOYS AND COMPOUNDS, 849, 2020, 156630			
	4	Ben Mrad, M; Hannachi, R; Dammak, M; Abdelmoula, N; Zghal, S; Khemakhem, H, Zirconium and lanthanide effects on the structural, dielectric and optical properties of Na0.8Ba0.2Nb0.8Ti0.2O3 ferroelectric ceramic, MATERIALS TODAY COMMUNICATIONS, 24, 2020, 101223			

	5	Bai, J; Huang, YL; Wei, D; Fan, Z; Seo, HJ, Synthesis and characterization of semiconductor heterojunctions based on Zr6Nb2O17 nanoparticles, MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, 112, 2020, 105010			
30		B.-O. Taranu, M.-G. Ivanovici, P. Svera, P. Vlazan, P. Sfirloaga, M. Poienar, "Ni11□ (HPO3)8(OH)6 multifunctional materials: Electrodes for oxygen evolution reaction and potential visible-light active photocatalysts" Journal of Alloys and Compounds, 2020, 848, 156595.	1	5.5	0.181
	1	Taranu, BO; Fagadar-Cosma, E, Catalytic Properties of Free-Base Porphyrin Modified Graphite Electrodes for Electrochemical Water Splitting in Alkaline Medium, PROCESSES, 10, 2022, 611-			
31		F. Damay, J. Sottmann, F. Lainé, L. Chaix, M. Poienar, P. Beran, E. Elkaim, F. Fauth, L. Nataf, A. Guesdon, A. Maignan, and C. Martin, Magnetic phase diagram for Fe3-xMnxBO5, Phys. Rev. B 101, 2020, 094418.	5	8.5	0.588
	1	Moshkina, E; Eremin, E; Velikanov, D; Bovina, A; Molokeev, M; Seryotkin, Y; Cherosov, M; Batulin, R; Nemtsev, I; Bezmaternykh, L, Structural and magnetic alteration of Cu2GaBO5 forced by Mn3+ doping, JOURNAL OF ALLOYS AND COMPOUNDS, 902, 2022, 163822			
	2	Kazak, N; Arauzo, A; Bartolome, J; Molokeev, M; Dudnikov, V; Solovyov, L; Borus, A; Ovchinnikov, S, Anisotropic thermal expansion and electronic transitions in the Co3BO5 ludwigite, DALTON TRANSACTIONS, . .			
	3	Biryukov, YP; Zinnatullin, AL; Cherosov, MA; Shablinskii, AP; Yusupov, RV; Bubnova, RS; Vagizov, FG; Filatov, SK; Avdontceva, MS; Pekov, IV, Low-temperature investigation of natural iron-rich oxoborates vonsenite and hulsite: thermal deformations of crystal structure, strong negative thermal expansion and cascades of magnetic transitions, ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE CRYSTAL ENGINEERING AND MATERIALS, 77, 2021, 1021-1034			
	4	Moshkina, E; Bovina, A; Molokeev, M; Krylov, A; Shabanov, A; Chernyshov, A; Sofronova, S, Study of flux crystal growth peculiarities, structure and Raman spectra of double (Mn,Ni)(3)BO5 and triple (Mn,Ni,Cu)(3)BO5 oxyborates with ludwigite structure, CRYSTENGCOMM, 23, 2021, 5624-5635			
	5	Medrano, CPC; Sadrollahi, E; Da Fonseca, RGM; Passamani, EC; Freitas, DC; Continentino, MA; Sanchez, DR; Litterst, FJ; Baggio-Saitovitch, E, Magnetic properties of Ni5Sn(O2BO3)(2) ludwigite, PHYSICAL REVIEW B, 103, 2021, 64430			
32		C. Lazau, M. Poienar, C. Orha, D. Ursu, M. Nicolaescu, M. Vajda, C. Bandas, Development of a new "n-p" heterojunction based on TiO2 and CuMnO2 synergy materials, Materials Chemistry and Physics 272, 2021, 124999.	1	6	0.166
	1	Nicolaescu, M; Bandas, C; Orha, C; Serban, V; Lazau, C; Caprarescu, S, Fabrication of a UV Photodetector Based on n-TiO2/p-CuMnO2 Heterostructures, COATINGS, 11, 2021, 1380			
		Punctaj total indicator 3.1			C = 95.799

3.2. Factorul Hirsch

h(WebOfScience)= 12

Punctajul total CNATDCU: $T = A + P / 2 + I / 2 + C / 20 + h / 5 = 19.459$

Indicator	A	I	P	C	h	T
Valoare minima pentru Conferentiar	1	2	2	20	5	5
Valoare realizata	4.06	7.156	9.265	95.799	12	19.459

Data: 02.05.2022