

LISTA LUCRĂRILOR PUBLICATE

A. 10 LUCRĂRI REPREZENTATIVE

1. Maranescu B.* Visa A., Applications of Metal-Organic Frameworks as Drug Delivery Systems, International Journal of Molecular Sciences, 2022, 23(8), 4458, DOI10.3390/ijms23084458, WOS:000786255600001, (Q1)
2. García M., Vílchez. A, Maranescu B., Pastor P; Marganovici M., Ilia G., Cabeza Díaz A., Visa A., Pérez Colodrero R., Synthesis and Electrochemical properties of metal (II)-carboxyethylphenylphosphinates, Dalton Transactions, 2021, 50(19), 6539-6548, DOI10.1039/d1dt00104c, WOS:000642584600001, (Q1)
3. Visa A., Ilia G., Lupa L., Maranescu B.* Use of highly stable phosphonate coordination polymers as adsorbents for wastewater, Applied Organometallic Chemistry, 2021, 35(5), e6184, DOI10.1002/aoc.6184, WOS:000615201500001, (Q1)
4. Popa A., Visa A., Maranescu B.*, Hulka I., Lupa L., Chemical modification of chitosan for removal of Pb (II) ions from aqueous solutions, Materials, 2021, 14(24),7894, DOI10.3390/ma14247894, WOS:000738664600001, (Q2)
5. Maranescu B., Lupa L., Visa A., Synthesis, characterization and rare earth elements adsorption properties of phosphonate metal organic frameworks, Applied Surface Science, 2019, 481, 83-91, DOI10.1016/j.apsusc.2019.03.067, WOS:000472176900011, (Q1)
6. Maranescu B., Plesu N., Visa A., Phosphonic acid vs phosphonate metal organic framework influence on mild steel corrosion protection, Applied Surface Science, 2019, 497, 143734, DOI10.1016/j.apsusc.2019.143734, WOS:000487849800078, (Q1)
7. Maranescu B., Lupa L., Visa A., Synthesis, characterizations and Pb (II) sorption properties of cobalt phosphonate materials, Pure and Applied Chemistry, 2016, 88(10-11), 979-992, DOI10.1515/pac-2016-0709, WOS:000393350200008, (Q3)
8. Maranescu B., Visa A., Ilia G., Simon Z., Demadis K.D, Colodrero R.M.P, Cabeza A., Vallcorba O., Rius J., Choquesillo-Lazarte D., Synthesis and structural characterization of 2-D layered copper (II) styrylphosphonate coordination polymers, Journal of Coordination Chemistry, 2014, 67(9), 1562-1572, DOI10.1080/00958972.2014.928289, WOS:000340149000006
9. Visa A., Mracec. M., Maranescu B., * Maranescu V., Ilia G., Popa A., Mracec M., Structure simulation into a lamellar supramolecular network and calculation of the metal ions/ligands ratio, Chemistry Central Journal, 2012, 6, 91, DOI10.1186/1752-153X-6-91, WOS:000308747600001, (Q2)
10. Colodrero R.M.P., Cabeza A., Olivera-Pastor P., Choquesillo D., Turner A., Ilia G., Maranescu B., Papatthaniou K.E, Hix G.B, Demadis K.D., Aranda M.A.G., Divalent metal vinylphosphonate layered materials: compositional variability, structural peculiarities, dehydration behavior, and photoluminescent properties, Inorganic Chemistry, 2011, 50(21), 11202-11211, DOI10.1021/ic201760w, WOS:000296303900089, (Q1)

B. Teză de doctorat

Studii teoretice și experimentale privind hibrizi organici/anorganici conținând compuși element – organici

Conducător Științific: Prof. Dr. Zeno Simon, M. C. al Academiei Române

Academia Română, Susținută public în 21.10.2011

Titlul de Doctor confirmat prin OMedC 4698 / 26.04.2012

C. LUCRĂRI ȘTIINȚIFICE PUBLICATE ÎN JURNALE INDEXATE ÎN WEB OF SCIENCE publicate în perioada 2005- 2024

1. Lupa L., Tolea N.S, Iosivoni M., Maranescu B., Plesu N., Visa A., Performance of ionic liquid functionalized metal organic frameworks in the adsorption process of phenol derivatives, RSC Advances, 2024, 14, 4759-4777, DOI10.1039/d3ra08024b, WOS:001157822200001, (Q2)
2. Plesu N., Macarie L., Mihali M., Maranescu B., Visa A., Jurcau D., Polyester-Based Coatings with a Metal Organic Framework: An Experimental Study for Corrosion Protection, Journal of Composites Science, 2023, 7 (10), 422. DOI10.3390/jcs7100422, WOS:001093651100001, (Q2)
3. Plesu N., Maranescu B., Mihali M., Visa A., Electrochemical Oxidation of Phenol Released from Spent Coordination Polymer Impregnated with Ionic Liquid, Journal of Composites Science, 2023, 7(12), 510, DOI10.3390/jcs7120510, WOS:001131395400001, (Q2)
4. Maranescu B., Visa A., Applications of Metal-Organic Frameworks as Drug Delivery Systems, International Journal of Molecular Sciences, 2022, 23(8), 4458, DOI10.3390/ijms23084458, WOS:000786255600001, (Q1)
5. Marganovici M., Maranescu B., Visa A., Lupa L., Hulka I., Chiriac V., Ilia G., Hybrid Coordination Networks for Removal of Pollutants from Wastewater, International Journal of Molecular Sciences, 2022, 23 (20), 12611. DOI10.3390/ijms232012611, WOS:000873052800001, (Q1)
6. Nichita I., Visa A., Maranescu B., Lupa L., Popa A., Synthesis and Characterization of Modified Chitosan with Aminophosphonic Groups and Zn (II) Ions and Assessment as Potential Antibacterial Adsorbent, Materiale Plastice, 2022, 59 (4), 125-134, DOI10.37358/MP.22.4.5631, WOS:000965030700011
7. García M., Vílchez. A, Maranescu B., Pastor P; Marganovici M., Ilia G., Cabeza Díaz A., Visa A., Pérez Colodrero R., Synthesis and Electrochemical properties of metal (II)-carboxyethylphenylphosphinates, Dalton Transactions, 2021, 50(19), 6539-6548, DOI10.1039/d1dt00104c, WOS:000642584600001, (Q1)
8. Visa A., Ilia G., Lupa L., Maranescu B., Use of highly stable phosphonate coordination polymers as adsorbents for wastewater, Applied Organometallic Chemistry, 2021, 35(5), e6184, DOI10.1002/aoc.6184, WOS:000615201500001, (Q1)
9. Popa A., Visa A., Maranescu B., Hulka I., Lupa L., Chemical modification of chitosan for removal of Pb (II) ions from aqueous solutions, Materials, 2021, 14(24),7894, DOI10.3390/ma14247894, WOS:000738664600001, (Q2)
10. Visa A., Maranescu B., Lupa L., Crisan L., Borota A., New Efficient Adsorbent Materials for the Removal of Cd (II) from Aqueous Solutions, Nanomaterials, 2020, 10(5), 899, DOI10.3390/nano10050899, WOS:000540781800082, (Q1)
11. Visa A., Plesu N., Maranescu B., Ilia G., Borota A., Crisan L., A combined experimental and theoretical insights into the corrosion inhibition activity on carbon steel iron of phosphonic acids, Molecules, 2020, 26(1), 135, DOI10.3390/molecules26010135, WOS:000606214600001, (Q2)
12. Nistor M.A., Muntean S.G., Maranescu B., Visa A, Phosphonate metal-organic frameworks used as dye removal materials from wastewaters, Applied Organometallic Chemistry, 2020, 34(11), e5939, DOI10.1002/aoc.5939, WOS:000552629100001, (Q1)
13. Maranescu B., Lupa L., Visa A., Synthesis, characterization and rare earth elements adsorption properties of phosphonate metal organic frameworks, Applied Surface Science, 2019, 481, 83-91, DOI10.1016/j.apsusc.2019.03.067, WOS:000472176900011, (Q1)
14. Maranescu B., Plesu N., Visa A., Phosphonic acid vs phosphonate metal organic framework influence on mild steel corrosion protection, Applied Surface Science, 2019, 497, 143734, DOI10.1016/j.apsusc.2019.143734, WOS:000487849800078, (Q1)

15. Coheci L., Lupa L., Pop A., Visa A., Maranescu B., Popa A., Photocatalytical Degradation of Congo Red Azo Dye Using Phosphono-Aminoacid-Cd (II) Pendant Groups Grafted on a Polymeric Support, *Revista de Chimie*, 2019, 70(10), 3473-3476, WOS:000500795900005
16. Lupa L., Maranescu B., Visa A., Equilibrium and kinetic studies of chromium ions adsorption on Co (II)-based phosphonate metal organic frameworks, *Separation Science and Technology*, 2018, 53(7), 1017-1026, DOI10.1080/01496395.2017.1340953, WOS:000424302500002
17. Maranescu B., Popa A., Lupa L., Maranescu V., Visa A., Use of chitosan complex with aminophosphonic groups and cobalt for the removal of Sr²⁺ ions, *Separation Science and Technology*, 2018, 53(7), 1058-1064, DOI10.1080/01496395.2017.1304961, WOS:000424302500006
18. Maranescu B., Lupa L., Mihali M.T.L., Plesu N., Maranescu V., Visa A., The corrosion inhibitor behavior of iron in saline solution by the action of magnesium carboxyphosphonate, *Pure and Applied Chemistry*, 2018, 90(11), 1713-1722, DOI10.1515/pac-2018-0513, WOS:000450639300006
19. Maranescu B., Lupa L., Visa A., Heavy metal removal from waste waters by phosphonate metal organic frameworks, *Pure and Applied Chemistry*, 2018, 90(1), 35-47, DOI10.1515/pac-2017-0307, WOS:000426360200004
20. Iliia G., Iliescu S., Popa A., Visa A., Maranescu B., Simulescu V., Pekar M., Badea V., Poly(alkylene-H-phosphonate)s obtained by direct esterification and oxidation of hypophosphorous acid with ethylene glycol, *Journal of Macromolecular Science Part A-Pure and Applied Chemistry*, 2016, 53(1), 49-54, DOI10.1080/10601325.2016.1110458, WOS:000367550100008
21. Maranescu B., Lupa L., Visa A., Synthesis, characterizations and Pb (II) sorption properties of cobalt phosphonate materials, *Pure and Applied Chemistry*, 2016, 88(10-11), 979-992, DOI10.1515/pac-2016-0709, WOS:000393350200008
22. Maranescu B., Visa A., Maranescu V., Co-Vinyl Phosphonate Electrical Properties, Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190(5-6), 902-904, DOI10.1080/10426507.2014.993761, WOS:000357323000054
23. Visa A., Maranescu B., Bucur A., Spectroscopic Properties of New Cerium Metal-Organic Framework Based on Phosphonate Ligands with Vinyl Functional Group, *Phosphorus, Sulfur and Silicon and the Related Elements*, 2015, 190(5-6), 959-960, DOI10.1080/10426507.2014.995298, WOS:000357323000070
24. Maranescu B., Visa A., Iliia G., Simon Z., Demadis K.D, Colodrero R.M.P, Cabeza A., Vallcorba O., Rius J., Choquesillo-Lazarte D., Synthesis and structural characterization of 2-D layered copper (II) styrylphosphonate coordination polymers, *Journal of Coordination Chemistry*, 2014, 67(9), 1562-1572, DOI10.1080/00958972.2014.928289, WOS:000340149000006
25. Iliescu S., Plesu N., Macarie L., Popa A., Visa A., Maranescu B., Iliia G., Polymeric membranes containing phosphorus in the chain for solid polymer electrolytes, *Phosphorus, Sulfur and Silicon and the Related Elements*, 2014, 189(7-8), 992-1003, DOI10.1080/10426507.2014.905568, WOS:000341577500014
26. Maranescu B., Visa A., Iliia G., The influence of pH on the properties of cobalt styrylphosphonate, *Phosphorus, Sulfur and Silicon and the Related Elements*, 2014, 189(7-8), 1004-1012, DOI10.1080/10426507.2014.905569, WOS:000341577500015
27. Visa A., Maranescu B., Bucur A., Iliescu S., Demadis K.D., Synthesis and characterization of a novel phosphonate metal organic framework starting from copper salts, *Phosphorus, Sulfur and Silicon and the Related Elements*, 2014, 189(5), 630-639, DOI10.1080/10426507.2013.843004, WOS:000337246400006
28. Visa A., Maranescu B., Mracec M., Electronic properties of Cu²⁺ vinylphosphonate estimated by PM3 semiempirical method, *Revue Roumaine de Chimie*, 2014, 59(3-4), 185-191, WOS:000345109700003

29. Petric M., Crisan L., Crisan M., Micle A., Maranescu B., Iliu G., Synthesis and QSRR Study for a Series of Phosphoramidic Acid Derivatives, *Heteroatom Chemistry*, 2013, 24(2), 138-145, DOI10.1002/hc.21076, WOS:000316296800007
30. Visa A., Mracec M., Maranescu B., Maranescu V., Iliu G., Popa A., Mracec M., Structure simulation into a lamellar supramolecular network and calculation of the metal ions/ligands ratio, *Chemistry Central Journal*, 2012, 6, 91, DOI10.1186/1752-153X-6-91, WOS:000308747600001, (Q2)
31. Colodrero R.M.P., Cabeza A., Olivera-Pastor P., Choquesillo D., Turner A., Iliu G., Maranescu B., Papatthanasious K.E, Hix G.B, Demadis K.D., Aranda M.A.G., Divalent metal vinylphosphonate layered materials: compositional variability, structural peculiarities, dehydration behavior, and photoluminescent properties, *Inorganic Chemistry*, 2011, 50(21), 11202-11211, DOI10.1021/ic201760w, WOS:000296303900089, (Q1)
32. Fagadar-Cosma E., Creanga I., Maranescu B., Palade A., Lorinczi A., Fagadar-Cosma G., Popescu M., Dependence of optical response on pH of a water-soluble Zn (II) Metalloporphyrin, *Digest Journal of Nanomaterials And Biostructures*, 2011, 6(1), 75-804, WOS:000289716200010
33. Maranescu B., Visa A., Iliescu S., Popa A., Iliu G., Maranescu V., Simon Z., Mracec M., Structural properties of Ni²⁺vinylphosphonate using PM3 semi-empirical analysis, *Revue Roumaine de Chimie*, 2011, 56(12), 1137-1141, WOS:000304225400007
34. Maranescu B., Visa A., Mracec M., Iliu G., Maranescu V., Simon Z., Mracec M., Lamellar Co²⁺ vinylphosphonate metal organic framework. PM3 semi-empirical analysis of structural properties, *Revue Roumaine de Chimie*, 2011, 56(5), 473-482, WOS:000345109700003
35. Fagadar-Cosma E., Maranescu B., Enache C., Savii C., Fagadar-Cosma G., Alternatives for obtaining of 5,10,15,20-tetra(4-hydroxyphenyl)-21H,23H-porphin physico-chemical characterisation, *Revista de Chimie*, 2006, 57(11), 1144-1147, WOS:000244133900016
36. Maranescu B., Iliu G., Cozmiuc C., Glevitzky M., Synthesis and mathematic models of the HPLC behavior of phosphoramidic derivatives, *Revista de Chimie*, 2006, 57(10), 1470-1474, WOS:000242700500015
37. Moldovan R., Muntean S., Simu G., Maranescu B., Pascariu A., Methods for the characterization of arylazophosphonates, *Revista de Chimie*, 2006, 57(3), 281-284, WOS:000237578100012
38. Popa A., Iliu G., Davidescu C.M., Iliescu S., Macarie L., Maranescu B., Wittig reaction of quaternary phosphonium salts containing macromolecular ligands functionalized with aldehyde groups, *Materiale Plastice*, 2006, 43(1), 62-64, WOS:000236960700014
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40. Fagadar-Cosma E., Maranescu B., Fagadar-Cosma G., Cozmiuc C., Iodotriphenylphosphonium triiodide: IR, ¹H-NMR, ³¹P-NMR, UV-VIS spectroscopy and HPLC investigations, *Revista de Chimie*, 2005, 56 (9), 947-950, WOS:000233286500012
41. Fulias A., Fagadar-Cosma E., Vlascici D., Maranescu B., Cozmiuc C., Comparative study of the obtaining and HPLC, UV-VIS and IR characteristics of the monomer and dimer type complexes of meso-tetra(4-hydroxyphenyl)porphyrin with Zr (IV), *Revista de Chimie*, 2005, 56(10), 1040-1043, WOS:000233793100014
42. Maranescu B., Szabadai Z., Cozmiuc C., Iliu G., The study of the photo transformation of dimethyl 1,4-dihydro-2,6-dimethyl-4(2-nitrophenyl)-3,5-pyridinecarboxylate (Nifedipin), *Revista de Chimie*, 2005, 56(6), 663-666, WOS:000231257000021
43. Popa A., Iliu G., Iliescu S., Pascariu A., Maranescu B., Wittig Horner reactions on styrene-divinylbenzene type supports during the catalysis by interphase transfer. 2 The utilization of functionalized phosphonates, *Materiale Plastice*, 2005, 42(3), 226-228, WOS:000233226800013

D. LUCRĂRI ȘTIINȚIFICE ÎN EXTENSO PUBLICATE ÎN REVISTE DIN STRĂINATATE FĂRĂ FACTOR DE IMPACT

1. Szabadai Z., Maranescu B., Dragos D., Investigations on the Photo-Transformation of Retinol Acetate, *The Open Chemical and Biomedical Methods Journal*, 2, 2009, 111-116

E. LUCRĂRI ȘTIINȚIFICE ÎN EXTENSO PUBLICATE ÎN REVISTE DIN ȚARĂ FĂRĂ FACTOR DE IMPACT

1. Petric M., Crisan L., Micle A., Crisan M., Maranescu B., Ilia G., Preliminary MLR study of phosphoramidate derivatives based on Dragon descriptor, *Annals of West University of Timisoara, Series of Chemistry*, 20(3), , 2011, 13-18, (ISSN 1224-9513).
2. Palade A., Creanga I., Maranescu B., Fagadar-Cosma E., Preliminary studies regarding novel Zn-Metalloporphyrin, *Annals of University of Timisoara, Series of Chemistry*, nr.19(2), 2010, 23-28, (ISSN 1224-9513).
3. Căpriță A., Căpriță R., Cozmiuc C., Maranescu B., Sărăndan H., Simultaneous determination of mycotoxins (ochratoxin a and deoxynivalenol) in biological samples, *Journal of Agroalimentary Processes and Technologies*, XIII(2), 2007, 353-358
4. Maranescu B., Glevitzk M., Petric M., Crisan L., Correlations between HPLC. Factor and Molecular Descriptors for Phosphoramidic Acid Derivatives, *Annals of University of Timisoara, Series Chemistry* , nr.14(2), 2005, 205-212

F. LUCRĂRI ȘTIINȚIFICE ÎN EXTENSO PUBLICATE ÎN VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE INTERNAȚIONALE

1. Visa A., Maranescu B., Bucur A., Alternative synthesis routes for phosphonates metal organic frameworks, *Proceedings of The Seventh Edition of the Symposium with International Participation New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection, Timisoara, Romania, 5-6 iunie, 2014*, 93-97
2. Maranescu B., Bucur A., Visa A., Hydrothermal synthesis of metal organic framework based on phosphonate ligand with phenyl vinyl functional group, *Proceedings of the Seventh Edition of the Symposium with International Participation New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection, Timisoara, Romania, 5-6 iunie, 2014*, 120-124
3. Maranescu B., Visa A., Ilia G., Precursor for phosphonate metal organic framework with fascinating structure, *Proceedings of the 18th Symposium on analytical and environmental problems, Szeged, Hungary, 24 Septembrie, 2012*, 227-230
4. Visa A., Maranescu B., Bucur A., Simulescu V., Design and synthesis of a diphosphonate metal-organic framework, *Proceedings of the 18th Symposium on analytical and environmental problem, Szeged, Hungary, 24 Septembrie, 2012*, 257-260
5. Maranescu B., Visa A., Maranescu V., Electronic properties determination of phosphonate divalent metal organic framework, *Proceedings of the 6th Symposium, New Trends and Strategies in the Chemistry of Advanced Materials, Timisoara, Romania, 8-9 noiembrie, 2012*, 111-114
6. Maranescu B., A. Vișa, S. Iliescu, G. Ilia, Z. Simon, Synthesis and characterization of a new metal organic framework, *Proceedings of the 17th Symposium on analytical and environmental problems, Szeged, Hungary, 19 September, 2011*, 327-331
7. Vișa A., Maranescu B., A. Popa, G. Ilia, Unsaturated phosphonic acid, a novel precursor to fabricate metal organic frameworks, *Proceedings of the 17th Symposium on analytical and environmental problems, Szeged, Hungary, 19 September, 2011*, 323-326

8. Glevitzky M., Brusturean G. A., Perju D., Maranescu B., Heghedus G., Experimental modelling of thigness pet bottles influence on the qualities of soft drinks, *microCAD 2006 International Scientific Conference 16-17 March, 2006, Miskolc, Hungary*, 33-39
9. Pascariu A., Maranescu B.: Ethyl-bis(3-furyl)-phenylphosphoniui iodine as precursor of Witting reaction. Synthesis and characterization. *Proceeding of the VIIIth International Symposium „Young People and Multidisciplinary Research” 11-12 Mai 2006, Timisoara, Romania*, 603-608
10. Maranescu B., Petric Mihaela, Palade Anca, Creanga Ionela, Simon Zeno, HPLC behavior of a new series of organophosphorus compound, *New trends and strategies in the chemistry of advanced materials*, 4-5 nov. Timisoara, 2010, 155-158
11. Creanga I., Armeanu I., Maranescu B., Făgădar-Cosma E.: The effect of conditions on manganese (III) metalloporphrin stability, *New trends and strategies in the chemistry of advanced materials*, 5-6 nov., Timișoara, 2009, 111-113

D. LUCRĂRI ȘTIINȚIFICE ÎN REZUMAT PUBLICATE LA MANIFESTĂRI ȘTIINȚIFICE INTERNAȚIONALE

1. Visa A., Maranescu B., Lupa L., Metal(II) coordination polymers based on bisphosphonates or mixed imidazole ligands and bisphosphonates: green syntheses and applications 8th International Workshop of Materials Physics, 17-19 Mai 2023, Măgurele, Romania, O-10, 32
2. Maranescu B., Visa A., Lupa L., Heterogeneous catalyst based on vinyl phosphonate in sustainable syntheses 8th International Workshop of Materials Physics, 17-19 Mai 2023, Măgurele, Romania, P5, 81
3. Visa A., Maranescu B., Lupa L., Green Alternative Approaches to the Synthesis of Metal Organic Frameworks, 4th International Conference on Phosphonate Chemistry, Science and Technology, 2-4 Octombrie 2023 Heraklion, Greece, L4, 15
4. Plesu N., Maranescu B., Visa A., The electrochemical oxidation of spent metal framework impregnated with ionic liquid, phenol degradation 4th International Conference on Phosphonate Chemistry, Science and Technology, 2-4 Octombrie 2023 Heraklion, Greece, L21, 32
5. Visa A., Maranescu B., Plesu N., Lupa L. Greener Alternatives for Phosphonate Metal Organic Frameworks Synthesis, Smart Diaspora 2023, 10-13 Aprilie 2023, Timișoara, Romania
6. Visa A., Maranescu B., Lupa L. Green Alternatives for Synthesis of Metal Organic Frameworks, 49th IUPAC World Chemistry Congress, 20-25 August 2023, Haga, Olanda, 737
7. Iosivoni M., Maranescu B., Visa A., Phosphonate metal organic frameworks as environmentally friendly adsorbent materials, *New trends in Chemistry Research, Ed. 15*, 21-22 Octombrie 2023, Romania, 83
8. Visa A., Maranescu B., Lupa L., Ionic Liquids-modified Metal Organic Frameworks: Preparation and Application in Adsorption, 9th IUPAC International Conference on Green Chemistry (9th ICGC), 5-9 September 2022, Athens, Greece, 144
9. Visa A., Maranescu B., Lupa L., Metal organic frameworks: complexity and diversity in structures and green applications, 13th Green Chemistry Postgraduate Summer School Online, 4-10 Iulie 2021, Venetia, Italia
10. Maranescu B., Plesu N., Visa A., Phosphonic, Acid and Phosphonate Metal Organic Framework as Cheap, Safe and Easy to Handle with Potentially Retarded Corrosion Inhibiting Effect, 10th European Exhibition of Creativity and Innovation, 16-18 May 2019, Iasi, Romania, 496

11. Visa A., Maranescu B., Muntean S.G., Nistor A., Lupa L., Phosphonate Metal Organic Frameworks with N-donor Auxiliary Ligands: Diversity and Complexity in Structure and Applications, *12th International Conference on Advanced Nanomaterials*, 17-19 July 2019, Aveiro, Portugal
12. Nistor M.A., Muntean S.G., Maranescu B., Visa A. Removal of dyes from aqueous solutions by phosphonate metal organic frameworks *21th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 21)*, 4-7 Septembrie, Mamaia, România, 2019, S5-22
13. Maranescu B., Visa A., Effect of imidazole arrangements on proton-conductivity in divalent phosphonate metal-organic framework, *47th Iupac World Chemistry Congress*, 7-12 July 2019, Paris, Franta, 1337
14. Visa A., Maranescu B., Lupa L., Changes in structure and properties of phosphonates metal-organic framework by using auxiliary n-donor ligands, *47th Iupac World Chemistry Congress*, 7-12 July 2019, Paris, Franta, P0456, 1809
15. Visa A., Maranescu B., Lupa L., Metal phosphonates as promising corrosion inhibitors for mild steel, *New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection*, 6-7 June 2019, Timisoara, Romania, 19
16. Visa A., Maranescu B., Arico F., Phosphonate Metal Organic Frameworks as Heterogeneous Catalyst in Sustainable Green Solvent, *10th European Exhibition of Creativity and Innovation*, 16-18 May 2019, Iasi, Romania, 495
17. Maranescu B., Plesu N., Visa A., Metal phosphonates as promising corrosion inhibitors for mild steel, *New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection*, 6-7 June 2019, Timisoara, Romania, 67
18. Lupa L., Maranescu B., Visa A., Rare Earth Elements Removal from Aqueous Solutions by Phosphonates Metal Organic Frameworks, *10th European Exhibition of Creativity and Innovation*, 16-18 May 2019, Iasi, Romania, 497
19. Maranescu B., Ilia G., Lupa L., Visa A, Use of highly stable phosphonate metal organic frameworks as adsorbents for wastewater, *28th Symposium on Thermal Analysis and Calorimetry – Eugen Segal – of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR28) & 2nd Symposium on Thermal Analysis and Calorimetry of Moldova (MoldTAC2)*, 9-10 mai 2019, Timisoara, Romania, 60.
20. Visa A., Maranescu B., Lupa L., Synthetic parameters influence on adsorption properties of metal organic frameworks based on phosphonates, *25th Jubilee Assembly of Advanced Materials Congress*, 24-27 March 2019, Stockholm, Suedia
21. Maranescu B., Lupa L., Visa A., Phosphonate metal organic framework: preparation and application, *11th Edition of symposium with international participation – New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection*, 28-29 June 2018, Timisoara, Romania, 76
22. Visa A., Maranescu B., Lupa L., Heterogenous catalyst for efficient organic transformation in green chemistry solvent, *11th Edition of symposium with international participation New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection*, 28-29 June 2018, Timisoara, Romania, 58
23. Maranescu B., Lupa L., Visa A., Phosphonic Acid vs Phoaphonate Metal Organic Framework Influence on Mild Steel Corrosion Protection, *11th International Conference on Advanced Nanomaterials*, 18-20 July 2018, Aveiro, Portugal, ID-37
24. Vișa A., Maranescu B., Lupa L., Synthesis, Characterization and Rare Earth Elements Adsorption Properties of Phoaphonate Metal Organic Frameworks, *11th International Conference on Advanced Nanomaterials*, 18-20 July 2018, Aveiro, Portugal, ID-371
25. Maranescu B., Lupa L., Visa A., Adsorption of Metal Ions from Waste Waters by Conventional and Unconventional Metal Organic Frameworks Based on

- Phosphonates, *8th International IUPAC Conference on Green Chemistry*, 9-14 September 2018, Bangkok, Tailanda, PL-017
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