FIŞA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE ŞI OBLIGATORII PENTRU ÎNSCRIEREA LA CONCURSURILE PENTRU POSTURILE DIDACTICE ŞI DE CERCETARE

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Criterii generale şi standarde minimale

Categorie	Nmax (*)	FIC (**)	FIC_D (***)	FIC_{AP} (****)	FIC_{AC} (*****)	h index(******)
Profesor universitar/Cercetător ştiinţific I	**50**	**100**	**70**	**50**	**25**	**13**
Conferenţiar universitar/Cercetător ştiinţific II	**30**	**50**	**-**	**20**	**-**	**9**
Lect dr Laura Pitulice	**16**	**77.8**	**-**	**37.9**	**-**	**9**

(*) N_{max} - primele maxim N lucrări, organizate în ordinea descrescătoare a factorilor de impact a revistelor în care au fost publicate;
(**) FIC - factorul de impact cumulat minimal al revistelor în care s-au publicat lucrările în cauză;
(***) FIC_D - factorul de impact cumulat minimal din publicaţii în domeniile de cercetare declarate;
(****) FIC_{AP} - factorul de impact cumulat minimal din publicaţii în calitate de autor principal (prim-autor şi autor de corespondenţă);
(*****) FIC_{AC} - factorul de impact cumulat minimal din publicaţii în calitate de autor de corespondenţă.
(******) h index - se va lua în considerare valoarea obţinută din baza de date Web of Science (WOS), utilizată şi pentru calculul celorlalte criterii generale minimale numerice - FIC, FID (C), FIC (AP) şi FIC (AC) - prin prisma factorilor de impact ai revistelor, publicaţi de Clarivate Analytics (Journal Citation Report)

Recomandări suplimentare:

- Capitolele de cărţi se echivalează cu articole cu FI = 2, în cărţile prezente în mai mult de 150 de biblioteci (vizibile în motorul de căutare UEFISCDI);
- Brevetele internaţionale (de tipul EU, WO) se echivalează (fiecare) cu un articol cu FI = 4.

Notă:

- Este obligatoriu ca pentru poziţia de profesor candidaţii să ilustreze prin publicaţii domeniile proprii de cercetare (autor de corespondenţă).
- Aceste standarde sunt setul minim de standarde de concurs. Suplimentar, instituţiile (universităţi, institute) pot impune şi alte cerinţe, conform legii. În cazul universităţilor, asupra acestora se va pronunţa un organism abilitat de către Senatul Universităţii şi rezultatele vor fi aprobate de către Senat (Legea 1/2001 art 297, 219). În cazul institutelor asupra acestora va decide Consiliul Ştiinţific (Legea 319/2003, art 16(2)c). În ambele cazuri, CNATDCU va valida îndeplinirea setului minimal, conform legii 1/2011, art. 166(2), 219(1), 295(1)(3) şi 300(4); respectiv legii 319/2003, art. 16(2)c.

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- **Lista articolelor publicate in reviste de specialitate cotate in sistemul ISI (aranjate cronologic)**

Nr. crt	Titlu	FI (2022)	FI Autor principal
1	Ciorba G.A., Radovan C, Vlaicu I, Pitulice L, Correlation Between Organic Component and Electrode Material. Consequences on Electrochemical Removal of Surfactants from Wastewater, Electrochimica Acta, 2000;46 (2-3), 297-303. doi.org/10.1016/S0013-4686(00)00585-5	6.6	
2	Isvoran A., Pitulice L., Craescu CT, Chiriac A, Fractal aspects of calcium binding proteins, Chaos Solitons and Fractals, 2008;35:960-966. doi.org/10.1016/j.chaos.2006.05.098	7.8	
3	Pitulice L., Isvoran A., Chiriac A., Structural features of proteins reflected by structural scaling laws, Journal of Serbian Chemical Society, 2008;73(8-9): 805–813. doi.org/10.2298/JSC0809805P	1	1
4	Pitulice L., Isvoran A., Craescu C.T., Chiriac A., Scaling properties of radius of gyration and surface area for EF hand calcium binding proteins, Chaos Solitons and Fractals, 2009; 40:684-690. doi.org/10.1016/j.chaos.2007.08.016	7.8	7.8
5	Dana Craciun, Laura Pitulice, A. Ciorsac, V. Ostafe, Adriana Isvoran. Proteins Surface Roughness Analysis. Comparison of Crystallographic and NMR Structures, Romanian Reports in Physics. 2012; 64(1): 116-126. DOI	2.7	
6	Patrulea, V., Negrulescu, A., Mincea, M. M., Pitulice, L. D., Spiridon, O. B., and Ostafe, V. Optimization of the removal of copper(II) ions from aqueous solution on chitosan and cross-linked chitosan beads, BioResources. 2013; 8(1), 1147-1165. http://dx.doi.org/10.15376/biores.8.1.1147-1165	1.5	
7	Bizerea Spiridon O, Preda E, Botez A, Pitulice L, Phenol removal from wastewater by adsorption on zeolitic composite. Environ Sci Pollut Res 2013; 20(9):6367-81. DOI: 10.1007/s11356-013-1625-x	5.8	5.8
8	Pastor I, Pitulice L, Balcells C, Vilaseca E, Madurga S, Isvoran A, Cascante M, Mas F, Effect of crowding by Dextrans in enzymatic reactions. Biophys Chem 2014; 185:8-13. DOI: 10.1016/j.bpc.2013.10.006	3.8	
9	Pitulice L, Vilaseca E, Pastor I, Madurga S, Garcés JL, Isvoran I, Mas F, Monte Carlo simulations of enzymatic reactions in crowded media. Effect of the enzyme-obstacle relative size. Math Biosci 2014; 251:72-82. DOI: 10.1016/j.mbs.2014.03.012	4.3	4.3

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Nr. crt	Titlu	FI (2022)	FI Autor principal
10	Dascălu D., Pitulice L, Ionel R., Bizerea-Spiridon O.. The usage of a zeolitic composite for quality improvement of copper contaminated mining wastewaters, Int J Env Sci Tech, JUL 2015; 12(7): 2285-2298. https://doi.org/10.1007/s13762-014-0629-5	3.1	3.1
11	Ionel R, Pitulice L, Vasiu G, Mischie S and Bizerea O, Implementation of a GPRS based Remote Water Quality Analysis Instrumentation, Measurement, Apr 2015, 65: 81–93. https://doi.org/10.1016/j.measurement.2014.10.061	5.6	
12	Pitulice L, Craciun D, Vilaseca E, Madurga S, Pastor I, Mas F, Isvoran A. Fractal dimension of the trajectory of a single particle diffusing in crowded media. Romanian Journal of Physics 2016; 61(7-8): 1276-1286.	1.5	1.5
13	Bizerea-Moga TO, Pitulice L, Bizerea-Spiridon O, Moga TV. Evaluation of Serum Selenium Status by Age and Gender: A Retrospective Observational Cohort Study in Western Romania. Nutrients. 2021 Apr 28;13(5):1497. DOI: 10.3390/nu13051497	5.9	5.9
14	Isvoran, A.,Roman, D.,Dascalu, D.,Vlad-Oros, B.,Ciorsac, A., Pitulice, L.,Jonovic, R.,Stevanovic, Z. & Ostafe, V.Human Health Effects of Heavy Metal Pollution in the Cross-Border Area of Romania and Serbia: A Review. Ecological Chemistry and Engineering S. 2021; 28(3) 365-388. doi.org/10.2478/eces-2021-0025	1.9	
15	Bizerea-Moga TO, Pitulice L, Pantea CL, Olah O, Marginean O, Moga TV. Extreme Birth Weight and Metabolic Syndrome in Children. Nutrients. 2022 Jan 2;14(1):204. doi: 10.3390/nu14010204.	5.9	5.9
16	Bizerea-Moga TO, Pitulice L, Bizerea-Spiridon O, Angelescu C, Mărginean O, Moga TV. Selenium status in term neonates, according to birth weight and gestational age, in relation to maternal hypertensive pathology. Front Pediatr. 2023;11:1157689. doi:10.3389/fped.2023.1157689	2.6	2.6
	Total FI	**67.8**	**37.9**

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- **Carti & Capitole Internationale**

Nr. Crt.	Carte/Capitol carte	FI echivalat
1	Mas Francesc, Pitulice Laura, Isvoran Adriana, Madurga Sergio, Blanco Pablo M. Fractal Dimension in *New Frontiers in Nanochemistry*, Concepts, Teories ad Trends, Volume 1, ed Putz MV, 1st Ed., Apple Academic Press, 2020, Pages:16	2
2	Adriana Isvoran, Eudald Vilaseca, Josep Lluís Garcés, Sergio Madurga, Laura Pitulice, Francesc Mas. Fractal Kinetic in *New Frontiers in Nanochemistry*, Concepts, Teories ad Trends, Volume 1, ed Putz MV, 1st Ed., Apple Academic Press, 2020, Pages:13	2
3	Francesc Mas, Sergio Madurga, Isabel Pastor, Eudald Vilaseca, Laura Pitulice, Adriana Isvoran. Macromolecular Crowding in *New Frontiers in Nanochemistry*, Concepts, Teories ad Trends, Volume 3, ed Putz MV, 1st Ed., Apple Academic Press, 2020, Pages: 11	2
4	Putz Mihai V., Pitulice Laura, Putz Ana-Maria, Tudoran Marina A. Polycyclic Aromatic Hydrocarbons (PAHs) in *New Frontiers in Nanochemistry*, Concepts, Teories ad Trends, Volume 3, ed Putz MV, 1st Ed., Apple Academic Press, 2020, Pages: 14	2
5	Putz M.V., Pitulice L, Dascalu D, Isac D. Bondonic Chemistry: Non-classical Implications on Classical Carbon Systems in Exotic Properties of Carbon Nanomatter: Advances in Physics and Chemistry, ed Putz MV and Ori O. Book Series: Carbon Materials-Chemistry and Physics Volume: 8 Pages: 261-322 Published: 2015	2
	Total FI	**10**

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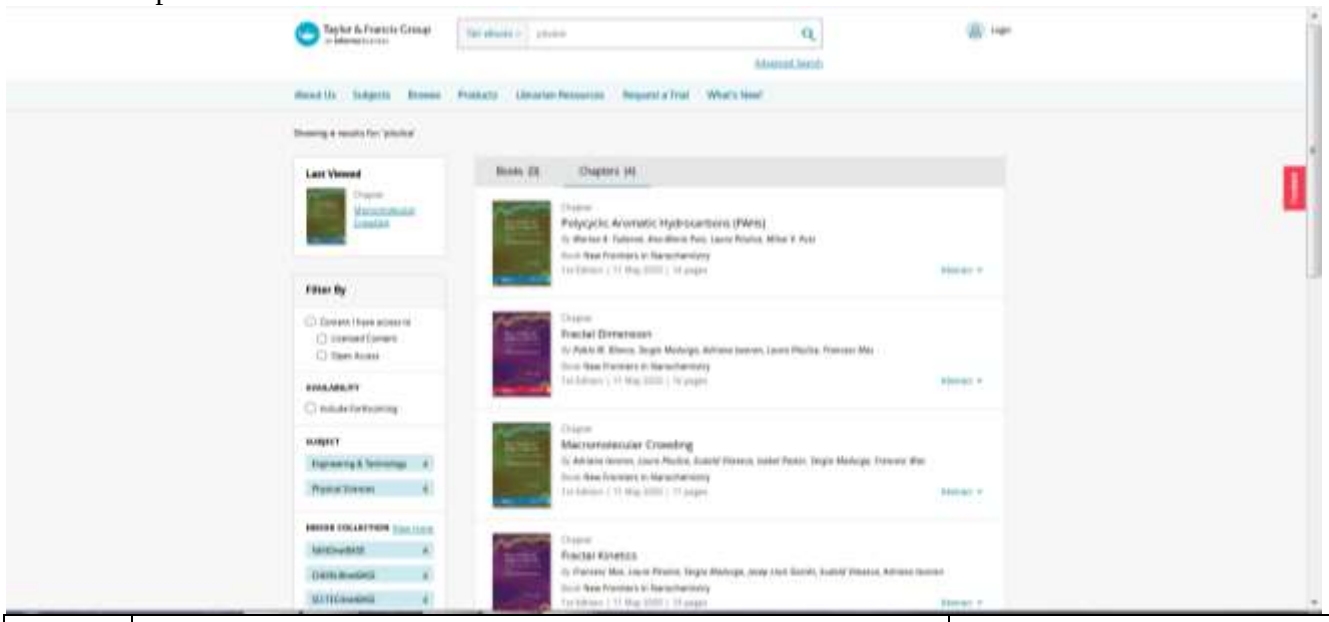
Exemple Biblioteci



Anul	Titlul	Biblioteci
2020	**PUTZ M.V.** (Editor) NEW FRONTIERS IN NANOCHEMISTRY: CONCEPTS, THEORIES, AND TRENDS, **VOLUME 1: STRUCTURAL NANOCHEMISTRY** Apple Academic Press & CRC Press, Toronto-New Jersey, Canada-USA pp. 526+index; ISBN: 978-1-771887-77-9 §URL: http://www.appleacademicpress.com/new-frontiers-in-nanochemistry-concepts-theories-and-trends-volume-1-structural-nanochemistry-/9781771887779	BVB - BibliotheksVerbund Bayern Solr-Zugang; KOBV Berlin-Brandenburg; K10plus - Union Catalog of GBV and SWB; Union Catalogue of Belgian Libraries; National Library of France; Swisscovery (SLSP); Amazon.de - German Books; SUDOC, French Union Catalog; Worldcat; Jisc Library Hub Discover (formerly Copac); oria.no - BIBSYS; ETC.
2020	**PUTZ M.V.** (Editor) NEW FRONTIERS IN NANOCHEMISTRY: CONCEPTS, THEORIES, AND TRENDS, **VOLUME 3: SUSTAINABLE NANOCHEMISTRY** Apple Academic Press & CRC Press, Toronto-New Jersey, Canada-USA pp. 504+index; ISBN: 978-1-771887-79-3 §URL: http://www.appleacademicpress.com/new-frontiers-in-nanochemistry-concepts-theories-and-trends-volume-3-sustainable-nanochemistry-/9781771887793	BVB - BibliotheksVerbund Bayern Solr-Zugang; KOBV Berlin-Brandenburg; K10plus - Union Catalog of GBV and SWB; Union Catalogue of Belgian Libraries; National Library of France; Swisscovery (SLSP); Amazon.de - German Books; SUDOC, French Union Catalog; Worldcat; Jisc Library Hub Discover (formerly Copac); oria.no - BIBSYS; ETC.

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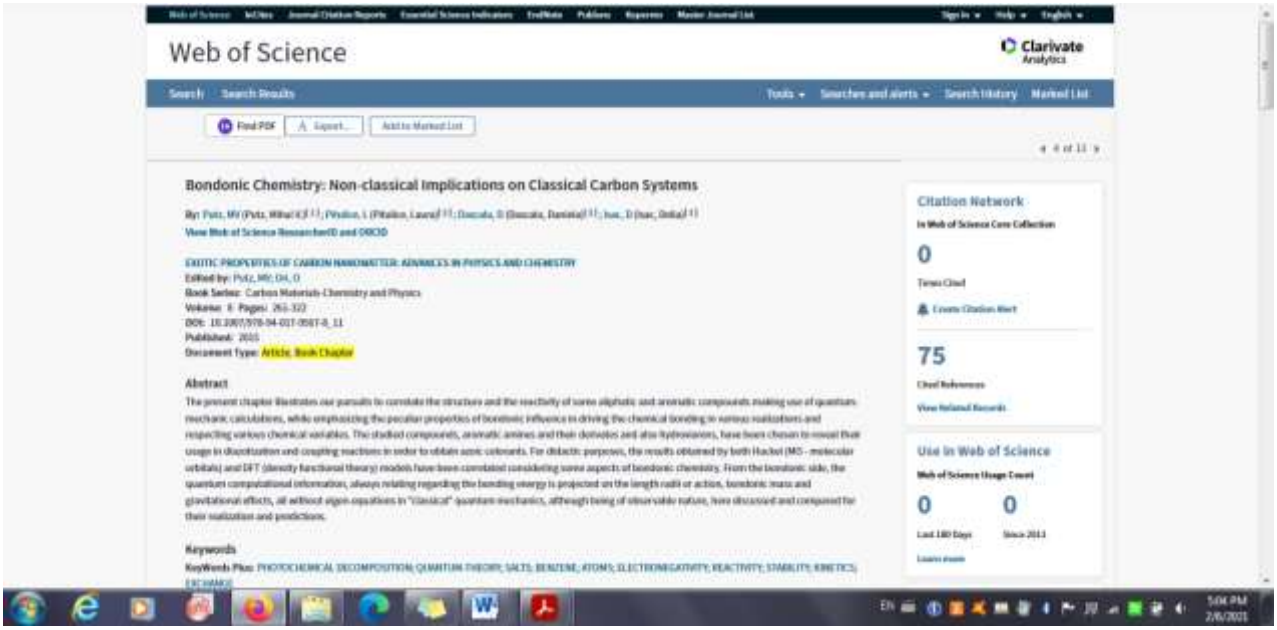

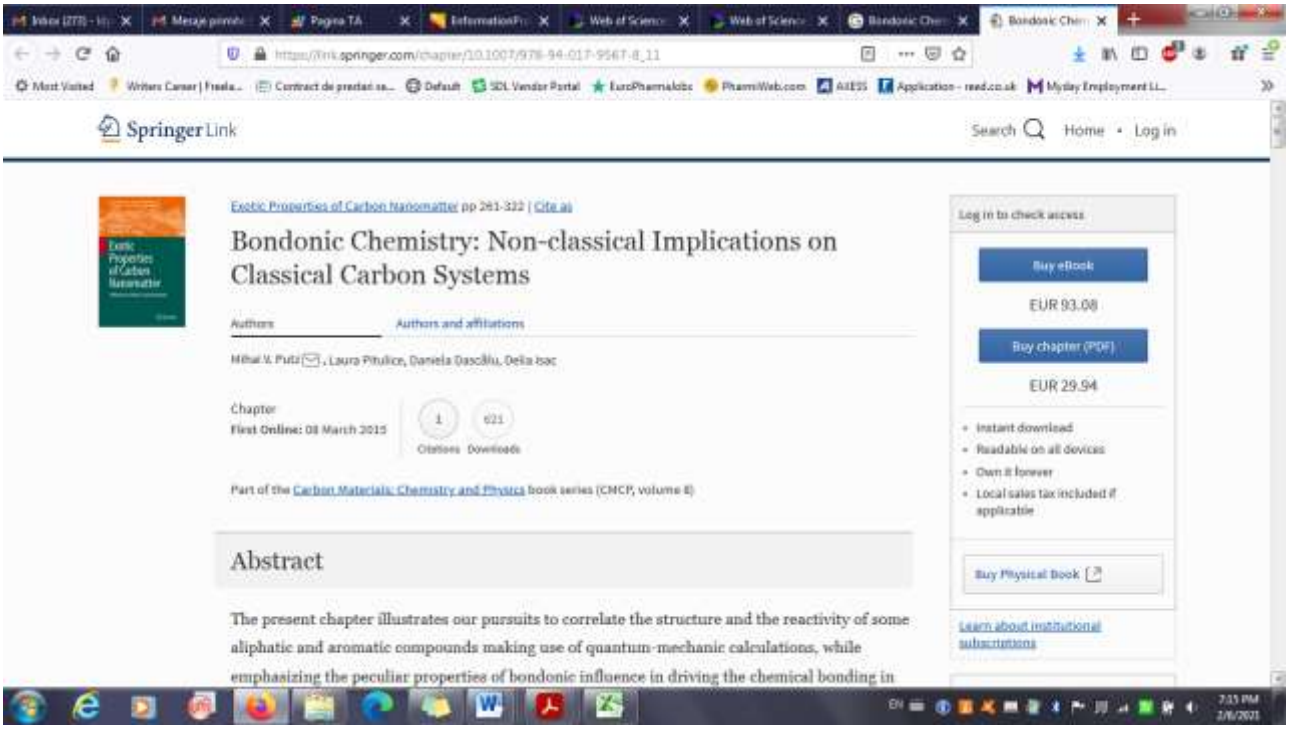

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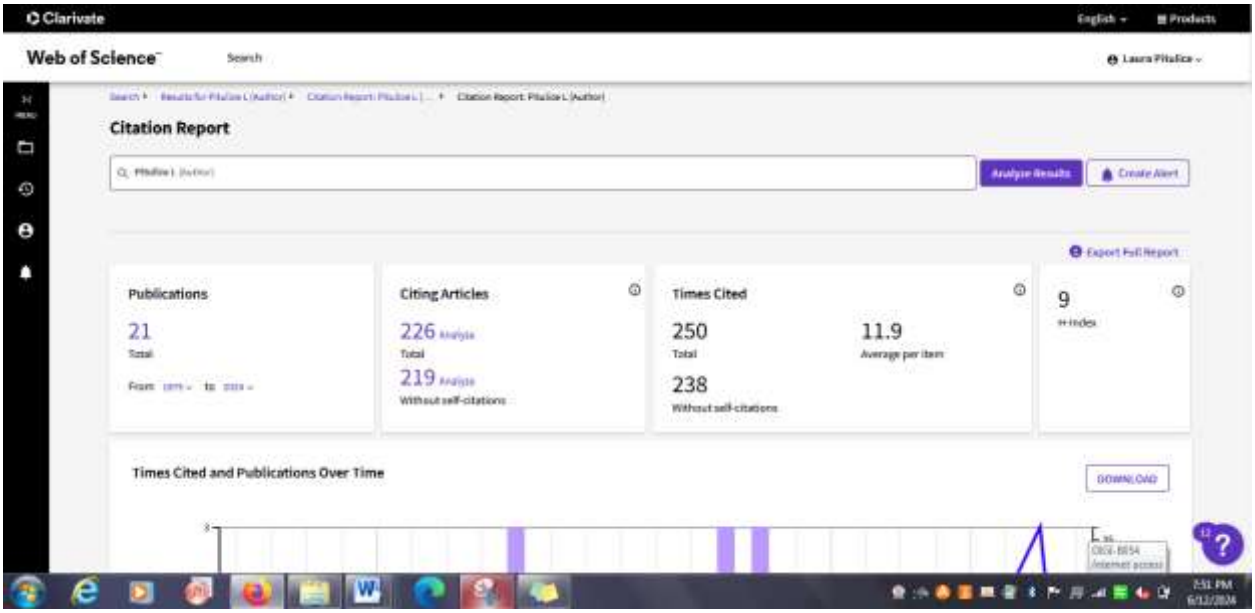

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