

Fisa de indeplinire a standardelor minimale de abilitare in domeniul Chimie

CSII Dr. Brîndușa Drăgoi

1. Indeplinire standarde minimale de abilitare stabilite de comisia CHIMIE din cadrul CNATDCU - *indeplinit*

Categorie	N _{max}	FIC (2024)	FIC _D (2024)	FIC _{AP} (2024)	FIC _{AC} (2024)	FIC (an publicare)	FIC _D (an publicare)	FIC _{AP} (an publicare)	FIC _{AC} (an publicare)	h index
Criterii abilitare	50	100	70	50	25	100	70	50	25	13
Realizat autor	40	177.152	112.852	90.100	80.900	175.857	114.158	91.319	81.763	19
	<i>Indeplinit</i>	<i>Indeplinit</i>	<i>Indeplinit</i>	<i>Indeplinit</i>	<i>Indeplinit</i>	<i>Indeplinit</i>	<i>Indeplinit</i>	<i>Indeplinit</i>	<i>Indeplinit</i>	<i>Indeplinit</i>

FIC_D = 64% din publicatii sunt incluse in domeniul Chimie cf incadrarii revistelor in Web of Science (evidentiate in verde in Tabelul centralizator de mai jos)

1.1. *Indeplinirea criteriilor (FIC, FIC_D, FIC_{AP}, FIC_{AC}):*

Lista articolelor in ordinea descrescatoare a FI:

Nr	Articol	FIC (2024)	FIC _D (2024)	FIC _{AP} (2024)	FIC _{AC} (2024)	FIC (an publicare)	FIC _D (an publicare)	FIC _{AP} (an publicare)	FIC _{AC} (an publicare)
1	Dragos-Ioan Olariu, Vera Maria Platon, Alina Ibanescu, Maria Daniela Vlad, Camelia Mihaela Zara-Danceanu Doina Lutic, Luminita Marin, Brindusa Dragoi, <i>LDH-chitosan bionanocomposites for oncologic applications: A refreshing perspective on the mutual influence through intermolecular forces toward controlled morphology and dispersion</i> , Int. J. Biol. Macromol., 329 (2025) 147495. https://doi.org/10.1016/j.ijbiomac.2025.147495	8.500	8.500	8.500	8.500	8.500	8.500	8.500	8.500
2	Ungureanu, A.; Dragoi, B.; Chirieac, A.; Ciotonea, C.; Royer, S.; Duprez, D.; Mamede, A.S.; Dumitriu, E.; <i>Composition Dependent Morpho-structural Properties of Bimetallic Ni-Cu Oxide Nanoparticles Confined within the Channels of Ordered Mesoporous SBA-15 Silica</i> , ACS Appl. Mater. Interfaces, 5 (2013) 3010. https://doi.org/10.1021/am302733m	8.200				5.900			

3	Mirela Nistor, Vera Balan, Aurel Pui, Camelia Mihaela Zara-Danceanu, Paula Alexandra Postu, Marian Grigoras, Daniel Gherca, Valentin Toma, Cristina Mariana Uritu, Raluca M. Fratila, Rares-Ionut Stiuftuc, Brindusa Dragoi, <i>Precise-engineering of monodisperse magnetite nanoparticles with low-level of cobalt doping for enhanced MRI contrast performance</i> , <i>Materials & Design</i> 262 (2026) 115386. https://doi.org/10.1016/j.matdes.2025.115386	7.900		7.900	7.900	7.900		7.900	7.900
4	Secundo, F.; Roda, G.; Vittorini, M.; Ungureanu, A.; Dragoi, B.; Dumitriu, E.; <i>Effect of chemical composition of SBA-15 on the adsorption and catalytic activity of α-chymotrypsin</i> , <i>J. Mater. Chem.</i> , 21 (2011) 15619. & https://doi.org/10.1039/C1JM11475A	6.626	6.626			5.968	5.968		
5	Ungureanu, A.; Dragoi, B.; Chirieac, A.; Royer, S.; Duprez, D.; Dumitriu, E.; <i>Synthesis of highly thermostable copper-nickel nanoparticles confined in the channels of ordered mesoporous SBA-15 silica</i> , <i>J. Mater. Chem.</i> , & 21 (2011) 12529. https://doi.org/10.1039/C1JM10971E	6.626	6.626			5.968	5.968		
6	Audemar, M.; Ciotonea, C.; De Oliveira Vigier, K.; Royer, S.; Ungureanu, A.; Dragoi, B.; Dumitriu, E.; Jérôme, F.; <i>Selective Hydrogenation of furfural to furfuryl alcohol in the presence of a recyclable Co/SBA-15 catalyst</i> , <i>ChemSusChem</i> , 8 (2015) 1885. https://doi.org/10.1021/acs.iecr.7b03699	6.600				7.116			
7	Chirieac, A.; Dragoi, B.; Ungureanu, A.; Ciotonea, C.; Mazilu, I.; Royer, S.; Mamede, A.S.; Rombi, E.; Ferino, I.; Dumitriu, E.; <i>Facile synthesis of highly dispersed and thermally stable copper-based nanoparticles supported on SBA-15 occluded with P123 surfactant for catalytic applications</i> , <i>J. Catal.</i> , 339 (2016) 270. https://doi.org/10.1016/j.jcat.2016.04.004	6.500	6.500	6.500	6.500	6.844	6.844	6.844	6.844

8	Marin L.; Dragoi, B.; Olaru N.; Perju E.; Coroaba A.; Doroftei F.; Scavia G.; Destri S.; Zappia S.; Porzio W., <i>Nanoporous furfuryl-imine-chitosan fibers as a new pathway towards ecomaterials for CO₂ adsorption</i> , Eur. Polym. J., 120 (2019) 109214. https://doi.org/10.1016/j.eurpolymj.2019.109214	6.300					3.862		
9	David L.; Onaciu A.; Toma V.; Borşa R.-M.; Moldovan C.; Țigu A.-B.; Cenariu D.; Şimon I.; Ştiufiuc G.-F.; Carasevici E.; Drăgoi B.; Tomuleasa C.; Ştiufiuc R.-I. <i>Understanding DNA Epigenetics by Means of Raman/SERS Analysis for Cancer Detection</i> , Biosensors, 14 (2024) 41. https://doi.org/10.3390/bios14010041	5.600	5.600				5.600	5.600	
10	Platon V.-M.; Dragoi B.; Marin L., <i>Erythromycin Formulations—A Journey to Advanced Drug Delivery</i> , Pharmaceutics, 14 (2022) 2180. https://doi.org/10.3390/pharmaceutics14102180	5.500					5.400		
11	Amarandi R.-M., Ibanescu A., carasevici E., Marin L., Dragoi B., <i>Liposomal-Based Formulations: A Path from Basic Research to Temozolomide Delivery Inside Glioblastoma Tissue</i> , Pharmaceutics, 14 (2022) 308. https://doi.org/10.3390/pharmaceutics14020308	5.500		5.500	5.500		5.400		5.400 5.400
12	Dragoi, B., Uritu, C.M., Agrigoroaie, L., Lutic, D., Hulea, V., Postole, G., Coroaba, A., Carasevici, E., <i>MnAl-Layered Double Hydroxide Nanosheets Infused with Fluorouracil for Cancer Diagnosis and Therapy</i> , ACS Appl. Nano Mater. 4 (2021) 2061. https://doi.org/10.1021/acsanm.0c03365	5.500		5.500	5.500		6.140		6.140 6.140
13	Sajid Asghar, Radu Iliescu, Rares-Ionut Stiuftuc, Brindusa Dragoi, <i>Co-Encapsulation of Multiple Antineoplastic Agents in Liposomes by Exploring Microfluidic</i> , Int. J. Mol. Sci., 26 (2025) 3820. https://doi.org/10.3390/ijms26083820	4.900	4.900	4.900	4.900		4.900	4.900	4.900 4.900

14	Ciotonea C., Chiriac A., Dragoi B., Dhainaut J., Marinova M., Pronier S., Arie-Clacens S., Dacquin J.-P., Dumitriu E., Ungureanu A. <i>Playing on 3D spatial distribution of Cu-Co (oxide) nanoparticles in inorganic mesoporous sieves: Impact on catalytic performance toward the cinnamaldehyde hydrogenation</i> , Appl. Catal. A: General, 623 (2021) 118303. https://doi.org/10.1016/j.apcata.2021.118303	4.800	4.800			5.723	5.723		
15	Dragoi, B.; Ungureanu, A.; Chiriac, A.; Ciotonea, C.; Rudolf, C.; Royer, S.; Dumitriu E.; <i>Structural and catalytic properties of mono- and bimetallic nickel-copper nanoparticles derived from MgNi(Cu)Al-LDHs under reductive conditions</i> , Appl. Catal. A: General, 504 (2015) 92. https://doi.org/10.1016/J.APCATA.2014.11.016	4.800	4.800	4.800	4.800	4.012	4.012	4.012	4.012
16	La Parola, V.; Dragoi, B.; Ungureanu, A.; Dumitriu, E.; Venezia, A.M.; <i>New HDS catalysts based on thiol functionalized mesoporous silica supports</i> , Appl. Catal. A: General, 386 (2010) 43. https://doi.org/10.1016/j.apcata.2010.07.027	4.800	4.800			3.384	3.384		
17	Mazilu, I.; Ciotonea, C.; Chiriac, A.; Dragoi, B.; Catrinescu, C.; Ungureanu, A.; Petit, S.; Royer, S.; Dumitriu, E.; <i>Synthesis of highly dispersed iron species within mesoporous (Al-) SBA-15 silica as efficient heterogeneous Fenton-type catalysts</i> , Microporous and Mesoporous Mater., 241 (2017) 326. https://doi.org/10.1016/j.micromeso.2016.12.024	4.700	4.700			3.649	3.649		
18	Dragoi, B.; Ungureanu, A.; Ciotonea, C.; Chiriac, A.; Petit, S.; Royer, S.; Dumitriu, E.; <i>Controlling the distribution of cobalt (oxide) nanoparticles in SBA-15 scaffolds by impregnation to achieve high performance hydrogenation catalysts</i> , Microporous and Mesoporous Mater., 224 (2016) 176. https://doi.org/10.1016/j.micromeso.2015.11.028	4.700	4.700	4.700	4.700	3.615	3.615	3.615	3.615

19	Ungureanu, A.; Dragoi, B.; Hulea, V.; Cacciaguerra, T.; Meloni, D.; Solinas, V.; Dumitriu E.; <i>Effect of Aluminium Incorporation by the "pH-adjusting" Method on the Structural, Acidic and Catalytic Properties of Mesoporous SBA-15</i> , Microporous and Mesoporous Mater., 163 (2012) 51. https://doi.org/10.1016/j.micromeso.2012.05.007	4.700	4.700			3.365	3.365		
20	Amărăndi R.-M.; Marin L.; Drăgoi B.; Neamțu A., <i>A Coarse-Grained Molecular Dynamics Perspective on the Release of 5-Fluorouracil from Liposomes</i> , Molecular Pharmaceutics, 21 (2024) 6137. https://doi.org/10.1021/acs.molpharmaceut.4c00328	4.500				4.500			
21	Amărăndi R.-M.; Neamțu A.; Știuțuc R.-I.; Marin L.; Drăgoi B., <i>Impact of Lipid Composition on Vesicle Protein Adsorption: A BSA Case Study</i> , ACS Omega, 9 (2024) 17903 + front page of the issue. https://doi.org/10.1021/acsomega.3c09131	4.300	4.300	4.300	4.300	4.300	4.300	4.300	4.300
22	Ibanescu A.; Olariu D.-I.; Lutic D.; Hulea V.; Dragoi B. <i>Engineering the Morphostructural Properties and Drug Loading Degree of Organic-Inorganic Fluorouracil-MgAl LDH Nanohybrids by Rational Control of Hydrothermal Treatment</i> , ACS Omega, 8 (2023) 26102. https://doi.org/10.1021/acsomega.3c02288	4.300	4.300	4.300	4.300	3.700	3.700	3.700	3.700
23	Dragoi, B.; Mazilu, I.; Chirieac, A.; Ciotonea, C.; Ungureanu, A.; Marceau, E.; Dumitriu, E.; Royer, S.; <i>Highly dispersed copper (oxide) nanoparticles prepared on SBA-15 partially occluded with the P123 surfactant: toward the design of active hydrogenation catalysts</i> , Catal. Sci. Technol., 7 (2017) 5376. https://doi.org/10.1039/C7CY01015J	4.300	4.300	4.300		5.365	5.365	5.365	

24	Ciotonea C.; Dragoi B.; Ungureanu A.; Catrinescu C.; Petit S.; Alamdari H.; Marceau E.; Dumitriu E.; Royer S., <i>Improved dispersion of transition metals in mesoporous materials through a polymer-assisted melt infiltration method</i> , Catal. Sci. Technol, 7 (2017) 5448. https://doi.org/10.1039/C7CY00963A	4.300	4.300			5.365	5.365		
25	Sasu, A.; Dragoi, B.; Ungureanu, A.; Royer, S.; Dumitriu, E.; Hulea, V.; <i>Selective conversion of styrene oxide to 2-phenylethanol in cascade reactions over non-noble metal catalysts</i> , Catal. Sci. Technol., 6 (2016) 468. https://doi.org/10.1039/C5CY00779H	4.300	4.300	4.300	4.300	5.773	5.773	5.773	5.773
26	Rudolf, C.; Abi-Ghaida, F.; Dragoi, B.; Ungureanu, A.; Mehdi, A.; Dumitriu, E.; <i>An efficient route to prepare highly dispersed metallic copper nanoparticles on ordered mesoporous silica with outstanding activity for hydrogenation reactions</i> , Catal. Sci. Technol., 5 (2015) 3735. https://doi.org/10.1039/C5CY00428D	4.300	4.300			5.287	5.287		
27	Rudolf, C.; Dragoi, B.; Ungureanu, A.; Chirieac, A.; Royer, S.; Nastro, A.; Dumitriu, E.; <i>NiAl and CoAl materials derived from takovite-like LDHs and related structures as efficient chemoselective hydrogenation catalysts</i> , Catal. Sci. Technol., 4 (2014) 179. https://doi.org/10.1039/C3CY00611E	4.300	4.300	4.300	4.300	5.426	5.426	5.426	5.426
28	Dragoi, B.; Ungureanu, A.; Chirieac, A.; Hulea, V.; Royer, S.; Dumitriu, E.; <i>Enhancing performance of SBA-15 - supported copper catalysts by chromium addition for the chemoselective hydrogenation of cinnamaldehyde</i> , Catal. Sci. Technol., 3 (2013) 2319. https://doi.org/10.1039/C3CY00198A	4.300	4.300	4.300	4.300	4.760	4.760	4.760	4.760
29	Ciotonea, C.; Dragoi, B.; Ungureanu, A.; Chirieac, A.; Petit, S.; Royer, S.; Dumitriu, E.; <i>Nanosized transition metals in controlled environments of phyllosilicate-mesoporous silica composites as highly thermostable and active catalysts</i> , Chem. Commun., 49 (2013) 7665. https://doi.org/10.1039/C3CC43197E	4.200	4.200			6.718	6.718		

30	Mirela Nistor, Alina Nicolescu, Roxana-Maria Amarandi, Aurel Pui, Rares-Ionut Stiuftuc, Brindusa Dragoi ^{&} , Multi spectroscopic investigation of maisine-based microemulsions as convenient carriers for co-delivery of anticancer and anti-inflammatory drugs, <i>Sci. Rep.</i> , 15 (2025) 5175. https://doi.org/10.1038/s41598-025-89540-w	3.900		3.900	3.900	3.900		3.900	3.900
31	Dragoi B.; Laurent G.; Casale S.; Benamor T.; Lebeau B.; Boissière C.; Ribot F.; Selmane M.; Schmidt P.; Kreher D.; <i>Stability and degradation of PEO₂₀PPO₇₀PEO₂₀ triblock copolymers in mesostructured silica</i> , <i>J. Sol-Gel Sci. Technol.</i> , 91 (2019) 552. https://dx.doi.org/10.1007/s10971-019-05044-w	3.200		3.200	3.200	2.008		2.008	2.008
32	Dragoi, B.; Rakic, V.; Dumitriu, E.; Auroux, A.; <i>Adsorption of Organic Pollutants over Microporous Solids Investigated by Microcalorimetry Techniques</i> , <i>J. Therm. Anal. Calorim.</i> , 99 (2010) 733. https://doi.org/10.1007/s10973-009-0353-4	3.100	3.100	3.100		1.752	1.752	1.752	
33	Dragoi, B., Uritu, C.M., Agrigoroaie, L., Lutic, D., Cacciaguerra, T., Hulea, V., Carasevici, E., <i>Mn-based 2D layered nanomaterials for boosting the MRI signal</i> , <i>Mater. Lett.</i> , 288 (2021) 129331. https://doi.org/10.1021/acsanm.0c03365	2.700		2.700	2.700	3.574		3.574	3.574
34	Ciotonea, C.; Mazilu, I.; Dragoi, B.; Catrinescu, C.; Dumitriu, E.; Ungureanu, A.; Alamdari, H.; Petit, S.; Royer, S.; <i>Confining for Stability: Heterogeneous Catalysis with Transition Metal (Oxide) Nanoparticles Confined in the Secondary Pore Network of Mesoporous Scaffolds</i> , <i>ChemNanoMat</i> , 3 (2017) 214. https://doi.org/10.1002/cnma.201700027	2.600	2.600			3.173	3.173		
35	Dragoi, B.; Ungureanu, A.; Chirieac, A.; Dumitriu, E.; <i>Hydrogenation of Unsaturated Carbonyl Compounds on non-Calcined LDHs. I. Synthesis and</i>	1.300	1.300	1.300	1.300	1.011	1.011	1.011	1.011

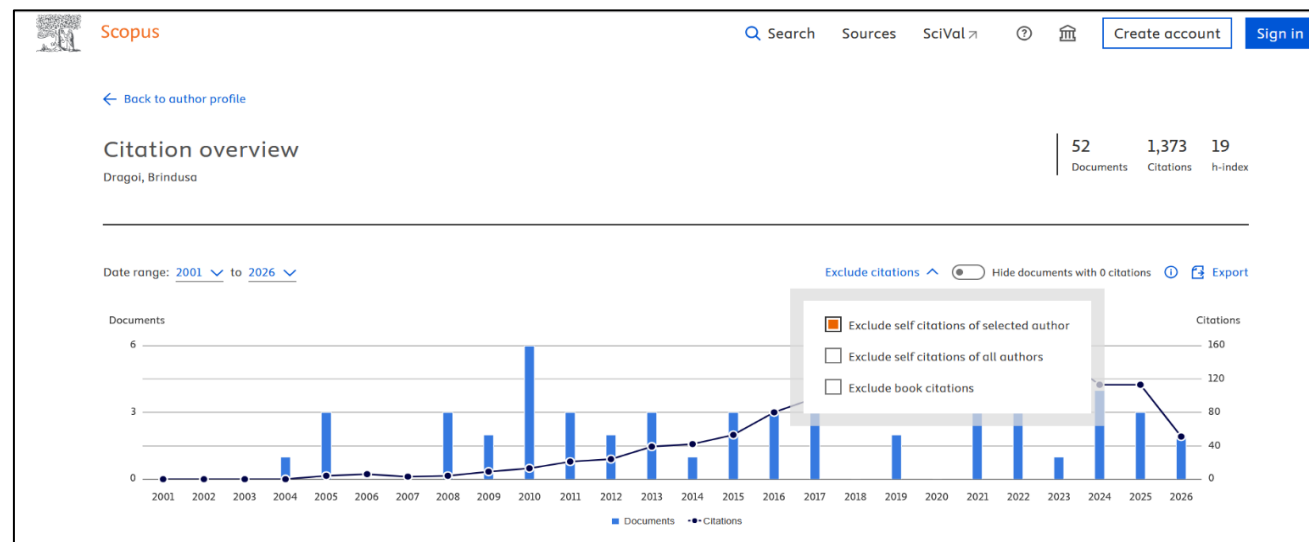
	<i>Characterization of ZnNiCuAl Hydrotalcite-like Materials</i> , Acta Chim. Slov., 57 (2010) 677.								
36	Rudolf, C.; Mazilu, I.; Chirieac, A.; Dragoi, B.; Abi-Ghaida, F.; Ungureanu, A.; Mehdi, A.; Dumitriu, E.; <i>Copper Nanoparticles Supported on Polyether-functionalized Mesoporous Silica. Synthesis and Application as Hydrogenation Catalysts</i> , Environ. Eng. Manag. J., 14 (2015) 399.. https://dx.doi.org/10.30638/eemj.2015.041	0.900				1.008			
37	Chirieac, A.; Dragoi, B.; Ungureanu, A.; Moscu Corcodei, A.; Rudolf, C.; Sasu, A.; Dumitriu, E.; <i>Controlling the Activity and Chemoselectivity in the Cinnamaldehyde Hydrogenation by Insertion on Non-nobles Metals in the Matrix of Hydrotalcite-like Materials</i> , Environ. Engin. Manag. J., 11 (2012) 47. https://doi.org/10.30638/EEMJ.2012.007	0.900				1.117			
38	Dragoi, B.; Ungureanu, A.; Chirieac, A.; Dumitriu, E.; <i>Synthesis of New Catalysts by Insertion of Co and Cu in the Matrix oh Hydrotalcite-like Materials for Cinnamaldehyde Hydrogenation</i> , Environ. Engin. Manag. J., 10 (2011) 1561. https://doi.org/10.30638/eemj.2011.217	0.900		0.900		1.004		1.004	
39	Ungureanu, A.; Meloni, D.; Dragoi, B.; Casula, M.; Chirieac, A.; Solinas, V.; Dumitriu, E.; <i>Cu,Ni-based Hydrotalcite-like Compounds as Catalysts for the Hydrogenation of Cinnamaldehyde in Liquid Phase. Part 1: Synthesis and Characterization</i> , Environ. Engin. Manag. J. 9 (2010) 461.	0.900				1.435			
40	Dragoi, B.; Ungureanu, A.; Meloni, D.; Casula, M.; Chirieac, A.; Sasu, A.; Solinas, V.; Dumitriu, E.; <i>Cu,Ni-based Hydrotalcite-like Compounds as Catalysts for the Hydrogenation of Cinnamaldehyde in Liquid Phase. Part 2: Influence of Reaction Conditions and</i>	0.900		0.900		1.435		1.435	

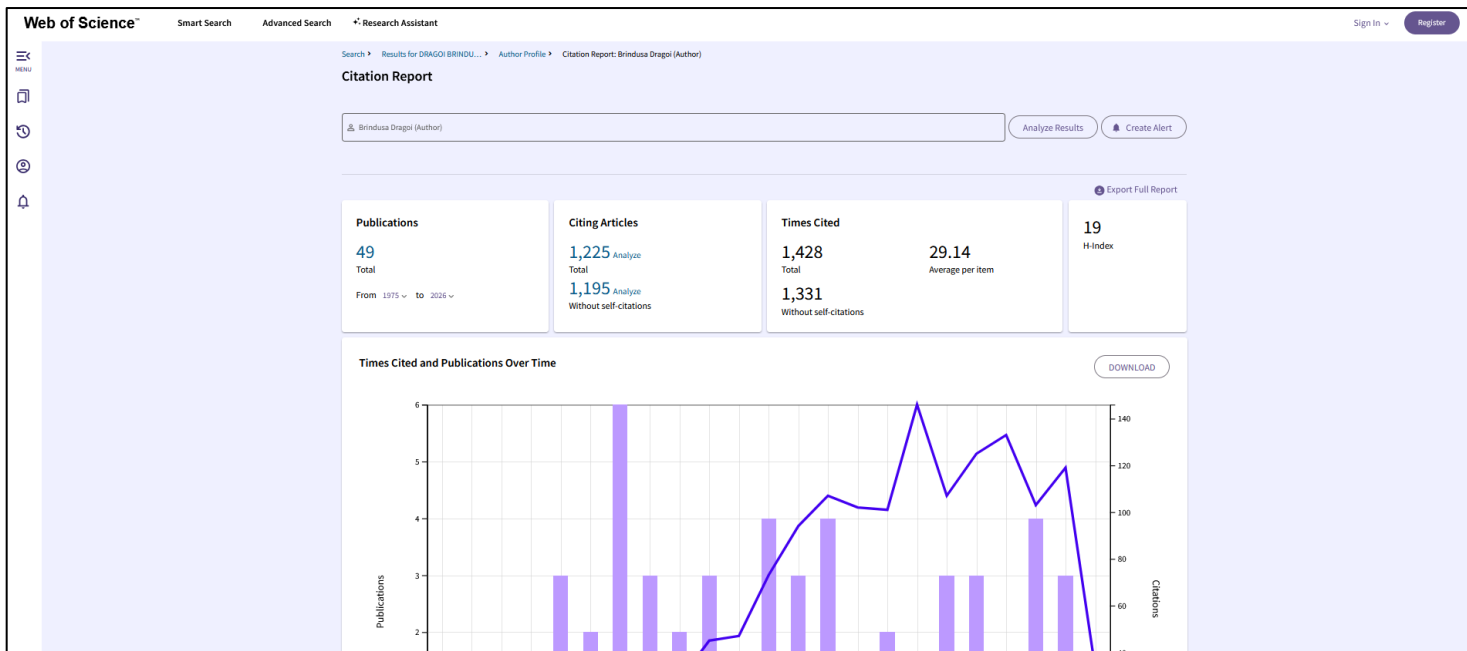
	<i>Chemical Composition on the Catalytic Properties,</i> Environ. Engin. Manag. J., 9 (2010) 1203.								
Crierii abilitare	177.152	112.852	90.100	80.900	175.857	114.158	91.319	81.763	
Realizat autor	100	70	50	25	100	70	50	25	


Nota: Ultimul FI: &2013

1.. *Indeplinirea Indicelui Hirsch (h index):*

- Scopus – 19 (*accesat 20.04.2026*)
- Web of Science – 19 (*accesat 20.04.2026*)
- Google Scholar – 21 (*accesat 20.04.2026*)







Brindusa Dragoi ✎

Regional Institute of Oncology Iasi
 Adresă de e-mail confirmată pe iroiasi.ro

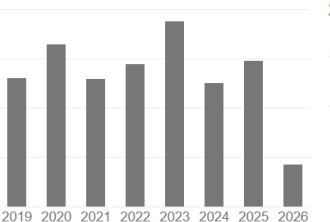
nanomedicine layered materials mesoporous materials (targeted) drug delivery contrast agents

URMĂRIȚI

Citat de **AFIȘAȚI-LE PE TOATE**

	Toate	Din 2021
Referințe bibliografice	1797	778
h-index	21	16
i10-index	33	19

TITLU	CITAT DE	ANUL
<input type="checkbox"/> Roadmap for light interaction with biophotonic surfaces and their diverse applications A Władziński, I Meglinski, A Bykov, M Gritsevich, M Kryuchkov, ... Journal of Biomedical Optics 31 (6), 064302-064302	3	2026
<input type="checkbox"/> Precise-engineering of monodisperse magnetite nanoparticles with low-level of cobalt doping for enhanced MRI contrast performance M Nistor, V Balan, A Pui, CM Zara-Danceanu, PA Postu, M Grigoras, ... Materials & Design, 115386	3	2025
<input type="checkbox"/> LDH-chitosan bionanocomposites for oncologic applications: A refreshing perspective on the mutual influence through intermolecular forces toward controlled morphology and ...	3	2025



Year	Citations
2019	60
2020	70
2021	140
2022	100
2023	110
2024	120
2025	130
2026	140