

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI (TUIASI)
FACULTATEA DE INGINERIE CHIMICA SI PROTECTIA MEDIULUI "CRISTOFOR SIMIONESCU"
DEPARTAMENTUL DE INGINERIE ORGANICA, BIOCHIMICA SI ALIMENTARA

Concurs pentru ocuparea postului de **profesor universitar**, poz. 4

Disciplinele postului: **Cataliză industrială și catalizatori**
Cataliza în industria organică și petrochimică

FIȘA DE VERIFICARE
a îndeplinirii standardelor minime naționale de prezentare la concurs pentru postul de
profesor universitar

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Candidat: **UNGUREANU ADRIAN**/ Data nașterii: **28.06.1972**/ Funcția actuală: **CONFERENȚIAR UNIVERSITAR**/ Data numirii în funcția actuală: **01.10.2015**/
Instituția: **UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI, FACULTATEA DE INGINERIE CHIMICA SI PROTECTIA MEDIULUI "CRISTOFOR SIMIONESCU", DEPARTAMENTUL DE INGINERIE ORGANICA, BIOCHIMICA SI ALIMENTARA**

Se preia tabelul și definițiile corespunzătoare domeniului științific aferent, conform Anexei PO.DID.12_A1.3.

(Modul de îndeplinire a standardelor minime naționale va fi prezentat în mod explicit și va trebui însoțit de dovezi)

COMISIA CNATDCU: INGINERIE CHIMICĂ, INGINERIE MEDICALĂ, ȘTIINȚA MATERIALELOR ȘI NANOMATERIALE

Tabel 1: Condiții minimale / punctaje obținute (în conformitate cu domeniul CNATDCU de la titularizare, ultimul concurs pe post sau abilitare)

Condiții minimale (Ai)				
Nr crt.	Standard	Condiții profesor	Punctaj obținut	Criteriu îndeplinit
1	NTOP	$NTOP \geq 4$	14	DA
2	NP	$NP \geq 20$	21	DA
3	FIC	$FIC \geq 30$	100	DA
4	NC	$NC \geq 120$	1228	DA
5	NCO	$NCO \geq 1$	3	DA

NTOP = număr total de articole în reviste ISI situate în top 25% (zona roșie) în calitate de autor principal. Situația revistelor în top 25% se judecă pe cazul cel mai favorabil pentru candidat, fie la momentul publicării, fie la data înscrierii la concurs.

NP = număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)

FIC = factor de impact cumulat (suma factorilor de impact ai revistelor la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)

NC = număr total de citări (din baza SCOPUS) (se exclud autocitările candidatului)

NCO = număr contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional ori contracte de cercetare-dezvoltare-inovare cu terții în valoare minimă echivalentă cu 10.000 Euro

(Anexa nr. 8 din OM 6129/20.12.2016)

DETALIERE INDICATORI

1. Număr total de articole în reviste ISI situate în top 25% (zona roșie) în calitate de autor principal (NTOP)

Nr crt	Autorii, titlul lucrării, revista, vol., an, pag (de la – pana la)
1	Carmen Ciotonea, Alexandru Chirieac, Brandusa Dragoi, Jeremy Dhainaut, Maya Marinova, Stephane Pronier, Sandrine Arie-Clacens, Jean-Philippe Dacquin, Emil Dumitriu, Adrian Ungureanu* , Sébastien Royer, <i>Playing on 3D spatial distribution of Cu-Co (oxide) nanoparticles in inorganic mesoporous sieves: Impact on catalytic performance toward the cinnamaldehyde hydrogenation</i> , Applied Catalysis A: General , 623, 2021 , 118303. [JCR 2020]
2	Adrian Ungureanu* , Alexandru Chirieac, Carmen Ciotonea, Irina Mazilu, Cezar Catrinescu, Sabine Petit, Eric Marceau, Sébastien Royer, Emil Dumitriu, <i>Enhancement of the dispersion and catalytic performances of copper in the hydrogenation of cinnamaldehyde by incorporation of aluminium into mesoporous SBA-15 silica</i> , Applied Catalysis A: General , 598, 2020 , 117615. [JCR 2019]
3	Shuo Chen, Carmen Ciotonea, Adrian Ungureanu* , Emil Dumitriu, Cezar Catrinescu, Robert Wojcieszak, Franck Dumeignil, Sébastien Royer, <i>Preparation of nickel (oxide) nanoparticles confined in the secondary pore network of mesoporous scaffolds using melt infiltration</i> , Catalysis Today , 334, 2019 , 48-58. [JCR 2023]
4	Mazilu, I., Ciotonea, C., Chirieac, A., Dragoi, B., 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 Materials , 241, 2017 , 326-337. [JCR 2023]
5	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> , Catalysis Science & Technology , 7(22), 2017 , 5376-5385. [JCR 2016]
6	Ciotonea, C., Dragoi, B., Ungureanu, A.* Catrinescu, C., 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> , Catalysis Science & Technology , 7(22), 2017 , 5448-5456. [JCR 2016]
7	Constantin Rudolf, Fatima Abi-Ghaida, Brindusa Dragoi, Adrian Ungureanu* , Ahmad Mehdi, Emil Dumitriu, <i>An efficient route to prepare highly dispersed metallic copper nanoparticles on ordered mesoporous silica with outstanding activity for hydrogenation reactions</i> , Catalysis Science & Technology , 5(7), 2015 , 3735-3745. [JCR 2014]
8	Carmen Ciotonea, Brindusa Dragoi, Adrian Ungureanu* , Alexandru Chirieac, Sabine Petit, Sébastien Royer, Emil Dumitriu, <i>Nanosized transition metals in controlled environments of phyllosilicate-mesoporous silica composites as highly thermostable and active catalysts</i> , Chemical Communications , 49(69), 2013 , 7665-7667. [JCR 2012]

9	Ungureanu, A.* , Dragoi, B., Chirieac, A., Ciotonea, C., Royer, S., Duprez, D., Mamede, A.S., Dumitriu, E., <i>Composition-Dependent Morphostructural Properties of Ni-Cu Oxide Nanoparticles Confined within the Channels of Ordered Mesoporous SBA-15 Silica</i> , ACS Applied Materials and Interfaces , 5 (2013), pp. 3010–3025. [JCR 2023]
10	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 Materials , 163 (2012), pp. 51-64. [JCR 2023]
11	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> , Journal of Materials Chemistry , 21 (2011), pp. 12529–12541. [JCR 2010]
12	Ungureanu, A. , Hoang, T.V., Trong On, D., Dumitriu, E., Kaliaguine, S., <i>An Investigation of the Acid Properties of UL-ZSM-5 by FTIR of Adsorbed 2,6-Ditertbutylpyridine and Aromatic Transalkylation Test Reactions</i> , Applied Catalysis A: General , 294 (2005), pp. 92-105. [JCR 2004]
13	Ungureanu, A. , Royer, S., Hoang, T.V., Trong On, D., Dumitriu, E., Kaliaguine, S., <i>Aldol Condensation over Semicrystalline Zeolitic Mesoporous UL-ZSM-5</i> , Microporous and Mesoporous Materials , 84 (2005) 1-3, pp. 283-296. [JCR 2023]
14	Ungureanu, A. , Trong On, D., Dumitriu, E., Kaliaguine, S., <i>Hydroxylation of 1-Naphthol over UL-TS-1 and TS-1 Coated MCF</i> , Applied Catalysis A: General , 254 (2003) 2, pp. 203-223. [JCR 2002]
NTOP = 14	

2. Număr articole în reviste ISI la care candidatul este autor principal (NP)

Nr crt	Autorii, titlul lucrării, revista, vol...., an, pag (de la – pana la)
1	Carmen Ciotonea, Yaqian Wei, Adrian Ungureanu* , Cezar Catrinescu, Olivier Gardol, Anne-Sophie Mamede, Franck Dumeignil, Sébastien Paul, Louise Jalowiecki-Duhamel, Sébastien Royer, <i>Ni (0) ex-phylosilicate as efficient and stable low temperature CH₄ dry reforming catalyst</i> , ChemCatChem , 2023, e202300245.
2	Carmen Ciotonea, Alexandru Chirieac, Brandusa Dragoi, Cezar Catrinescu, Sébastien Royer, Adrian Ungureanu* , <i>Cu-Ga₂O₃ nanoparticles supported on ordered mesoporous silica for the catalytic hydrogenation of cinnamaldehyde</i> , Comptes Rendus Chimie , 25, 2022, 81-94.
3	Carmen Ciotonea, Alexandru Chirieac, Brandusa Dragoi, Jeremy Dhainaut, Maya Marinova, Stephane Pronier, Sandrine Arie-Clacens, Jean-Philippe Dacquin, Emil Dumitriu, Adrian Ungureanu* , Sébastien Royer, <i>Playing on 3D spatial distribution of Cu-Co (oxide) nanoparticles in inorganic mesoporous sieves: Impact on catalytic performance toward the cinnamaldehyde hydrogenation</i> , Applied Catalysis A: General , 623, 2021, 118303.

4	Adrian Ungureanu* , Alexandru Chirieac, Carmen Ciotonea, Irina Mazilu, Cezar Catrinescu, Sabine Petit, Eric Marceau, Sébastien Royer, Emil Dumitriu, <i>Enhancement of the dispersion and catalytic performances of copper in the hydrogenation of cinnamaldehyde by incorporation of aluminium into mesoporous SBA-15 silica</i> , Applied Catalysis A: General , 598, 2020 , 117615.
5	Guillaume Rochard, Carmen Ciotonea, Adrian Ungureanu* , Jean-Marc Giraudon, Sébastien Royer, Jean-François Lamonier, <i>MnO_x-loaded Mesoporous Silica for the Catalytic Oxidation of Formaldehyde. Effect of the Melt Infiltration Conditions on the Activity – Stability Behavior</i> , ChemCatChem , 12, 2020 , 1664-1675.
6	Shuo Chen, Carmen Ciotonea, Adrian Ungureanu* , Emil Dumitriu, Cezar Catrinescu, Robert Wojcieszak, Franck Dumeignil, Sebastien Royer, <i>Preparation of nickel (oxide) nanoparticles confined in the secondary pore network of mesoporous scaffolds using melt infiltration</i> , Catalysis Today , 334, 2019 , 48-58.
7	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> , ChemNanoMat , 3(4), 2017 , 214-222.
8	Mazilu, I., Ciotonea, C., Chirieac, A., Dragoi, B., 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 Materials , 241, 2017 , 326-337.
9	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> , Catalysis Science & Technology , 7(22), 2017 , 5376-5385.
10	Ciotonea, C., Dragoi, B., Ungureanu, A.* Catrinescu, C., 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> , Catalysis Science & Technology , 7(22), 2017 , 5448-5456.
11	Constantin Rudolf, Fatima Abi-Ghaida, Brindusa Dragoi, Adrian Ungureanu* , Ahmad Mehdi, Emil Dumitriu, <i>An efficient route to prepare highly dispersed metallic copper nanoparticles on ordered mesoporous silica with outstanding activity for hydrogenation reactions</i> , Catalysis Science & Technology , 5(7), 2015 , 3735-3745.
12	Carmen Ciotonea, Brindusa Dragoi, Adrian Ungureanu* , Alexandru Chirieac, Sabine Petit, Sébastien Royer, Emil Dumitriu, <i>Nanosized transition metals in controlled environments of phyllosilicate–mesoporous silica composites as highly thermostable and active catalysts</i> , Chemical Communications , 49(69), 2013 , 7665-7667.
13	Ungureanu, A.* , Dragoi, B., Chirieac, A., Ciotonea, C., Royer, S.*, Duprez, D., Mamede, A.S., Dumitriu, E., <i>Composition-Dependent Morphostructural Properties of Ni–Cu Oxide Nanoparticles Confined within the Channels of Ordered Mesoporous SBA-15 Silica</i> , ACS Applied Materials and Interfaces , 5 (2013), pp. 3010–3025.
14	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 Materials , 163 (2012), pp. 51-64.
15	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> , Journal of Materials Chemistry , 21 (2011), pp. 12529–12541.
16	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> , Environmental Engineering and Management Journal , 9 (4) (2010), pp. 461-468.

17	A. Ungureanu , B. Drăgoi, A. Chirieac, C. Catrinescu, E. Dumitriu, <i>Synthesis of Highly Ordered Titanium-Containing SBA-15 Mesoporous Silicas for Catalytic Eco-Friendly Oxidations</i> , Environmental Engineering and Management Journal , 7 (2008) 3, pp. 255-262.
18	A. Ungureanu , H.V. Thang, D. Trong On, E. Dumitriu, S. Kaliaguine, <i>Acid Properties of Semicrystalline Zeolitic Mesoporous UL-ZSM-5 Materials</i> , Journal of Thermal Analysis and Calorimetry , 87 (2007) 2, pp. 417-422.
19	Ungureanu, A. , Hoang, T.V., Trong On, D., Dumitriu, E., Kaliaguine, S., <i>An Investigation of the Acid Properties of UL-ZSM-5 by FTIR of Adsorbed 2,6-Ditertbutylpyridine and Aromatic Transalkylation Test Reactions</i> , Applied Catalysis A: General , 294 (2005), pp. 92-105.
20	Ungureanu, A. , Royer, S., Hoang, T.V., Trong On, D., Dumitriu, E., Kaliaguine, S., <i>Aldol Condensation over Semicrystalline Zeolitic Mesoporous UL-ZSM-5</i> , Microporous and Mesoporous Materials , 84 (2005) 1-3, pp. 283-296.
21	Ungureanu, A. , Trong On, D., Dumitriu, E., Kaliaguine, S., <i>Hydroxylation of 1-Naphthol over UL-TS-1 and TS-1 Coated MCF</i> , Applied Catalysis A: General , 254 (2003) 2, pp. 203-223.
NP = 21	

3. Factor de impact cumulat (FIC)

Nr crt	Autorii, titlul lucrării, revista, vol...., an, pag (de la – pana la)	FI [JCR 2023]	n _i	FI/n _i
1	Carmen Ciotonea, Yaqian Wei, Adrian Ungureanu* , Cezar Catrinescu, Olivier Gardol, Anne-Sophie Mamede, Franck Dumeignil, Sébastien Paul, Louise Jalowiecki-Duhamel, Sébastien Royer, <i>Ni (0) ex-phylosilicate as efficient and stable low temperature CH₄ dry reforming catalyst</i> , ChemCatChem , 2023, e202300245.	3.8	1	3.8
2	Camila A. Teles, Carmen Ciotonea, Nicolas Gomes, Vinicius O.O. Goncalves, Adrian Ungureanu , Cezar Catrinescu, Maya Marinova, Jean-Marc Clacens, Sébastien Royer, Fabio B. Noronha, Frederic Richard, <i>Hydrodeoxygenation of m-cresol over Pd/Al-SBA-15 catalysts: Effect of Al content on the deoxygenation reaction pathways</i> , Applied Catalysis A: General , 641, 2022, 118686.	4.7	11	0.4
3	Carmen Ciotonea, Alexandru Chirieac, Brandusa Dragoi, Cezar Catrinescu, Sébastien Royer, Adrian Ungureanu* , Sébastien Royer, <i>Cu-Ga₂O₃ nanoparticles supported on ordered mesoporous silica for the catalytic hydrogenation of cinnamaldehyde</i> , Comptes Rendus Chimie , 25, 2022, 81-94.	1.2	1	1.2
4	Carmen Ciotonea, Alexandru Chirieac, Brandusa Dragoi, Jeremy Dhainaut, Maya Marinova, Stephane Pronier, Sandrine Arie-Clacens, Jean-Philippe Dacquin, Emil Dumitriu, Adrian Ungureanu* , Sébastien Royer, <i>Playing on 3D spatial distribution of Cu-Co (oxide) nanoparticles in inorganic mesoporous sieves: Impact on catalytic performance toward the cinnamaldehyde hydrogenation</i> , Applied Catalysis A: General , 623, 2021, 118303.	4.7	1	4.7
5	Adrian Ungureanu* , Alexandru Chirieac, Carmen Ciotonea, Irina Mazilu, Cezar Catrinescu, Sabine Petit, Eric Marceau, Sébastien Royer, Emil Dumitriu, <i>Enhancement of the dispersion and catalytic performances of copper in the hydrogenation of cinnamaldehyde by incorporation of aluminium into mesoporous SBA-15 silica</i> , Applied Catalysis A: General , 598, 2020, 117615.	4.7	1	4.7

6	Jean-François Dechézelles, Carmen Ciotonea, Cezar Catrinescu, Adrian Ungureanu , Sébastien Royer, Véronique Nardello-Rataj, <i>Emulsions Stabilized with Alumina-Functionalized Mesoporous Silica Particles</i> , Langmuir , 36, 2020 , 3212-3220.	3.7	6	0.6
7	Guillaume Rochard, Carmen Ciotonea, Adrian Ungureanu* , Jean-Marc Giraudon, Sébastien Royer, Jean-François Lamonier, <i>MnO_x-loaded Mesoporous Silica for the Catalytic Oxidation of Formaldehyde. Effect of the Melt Infiltration Conditions on the Activity – Stability Behavior</i> , ChemCatChem , 12, 2020 , 1664-1675.	3.8	1	3.8
8	Maïté Audemar, Wahiba Ramdani, Tang Junhui, Andreea Raluca Ifrim, Adrian Ungureanu , François Jérôme, Sébastien Royer, Karine de Oliveira Vigier, <i>Selective Hydrogenation of Xylose to Xylitol over Co/SiO₂ Catalysts</i> , ChemCatChem , 12, 2020 , 1973-1978.	3.8	8	0.5
9	Carmen Ciotonea, Nisrine Hammi, Jérémy Dhainaut, Maya Marinova, Adrian Ungureanu , Abdelkrim El Kadib, Christophe Michon, Sébastien Royer, <i>Phyllosilicate-derived nickel-cobalt bimetallic nanoparticles for the catalytic hydrogenation of imines, oximes and N-heteroarenes</i> , ChemCatChem , 12, 2020 , 4652-4663.	3.8	8	0.5
10	Shuo Chen, Carmen Ciotonea, Adrian Ungureanu* , Emil Dumitriu, Cezar Catrinescu, Robert Wojcieszak, Franck Dumeignil, Sébastien Royer, <i>Preparation of nickel (oxide) nanoparticles confined in the secondary pore network of mesoporous scaffolds using melt infiltration</i> , Catalysis Today , 334, 2019 , 48-58.	5.2	1	5.2
11	Apopei, P., Catrinescu, C., Teodosiu, C., Ungureanu, A. , Royer, S., <i>Selective dissolution of TiO₂ crystalline phases: Physicochemical characterization and photocatalytic activity</i> , Comptes Rendus Chimie , 21(3-4), 2018 , 382-390.	1.2	5	0.2
12	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> , ChemNanoMat , 3(4), 2017 , 214-222.	2.6	1	2.6
13	Mazilu, I., Ciotonea, C., Chirieac, A., Dragoi, B., 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 Materials , 241, 2017 , 326-337.	4.8	1	4.8
14	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> , Catalysis Science & Technology , 7(22), 2017 , 5376-5385.	4.4	1	4.4
15	Ciotonea, C., Dragoi, B., Ungureanu, A. , Catrinescu, C., 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> , Catalysis Science & Technology , 7(22), 2017 , 5448-5456.	4.4	1	4.4
16	Alexandru Chirieac, Brindusa Dragoi, Adrian Ungureanu , Carmen Ciotonea, Irina Mazilu, Sébastien Royer, Anne Sophie Mamede, Elisabetta Rombi, Italo Ferino, Emil Dumitriu, <i>Facile synthesis of</i>	6.5	10	0.7

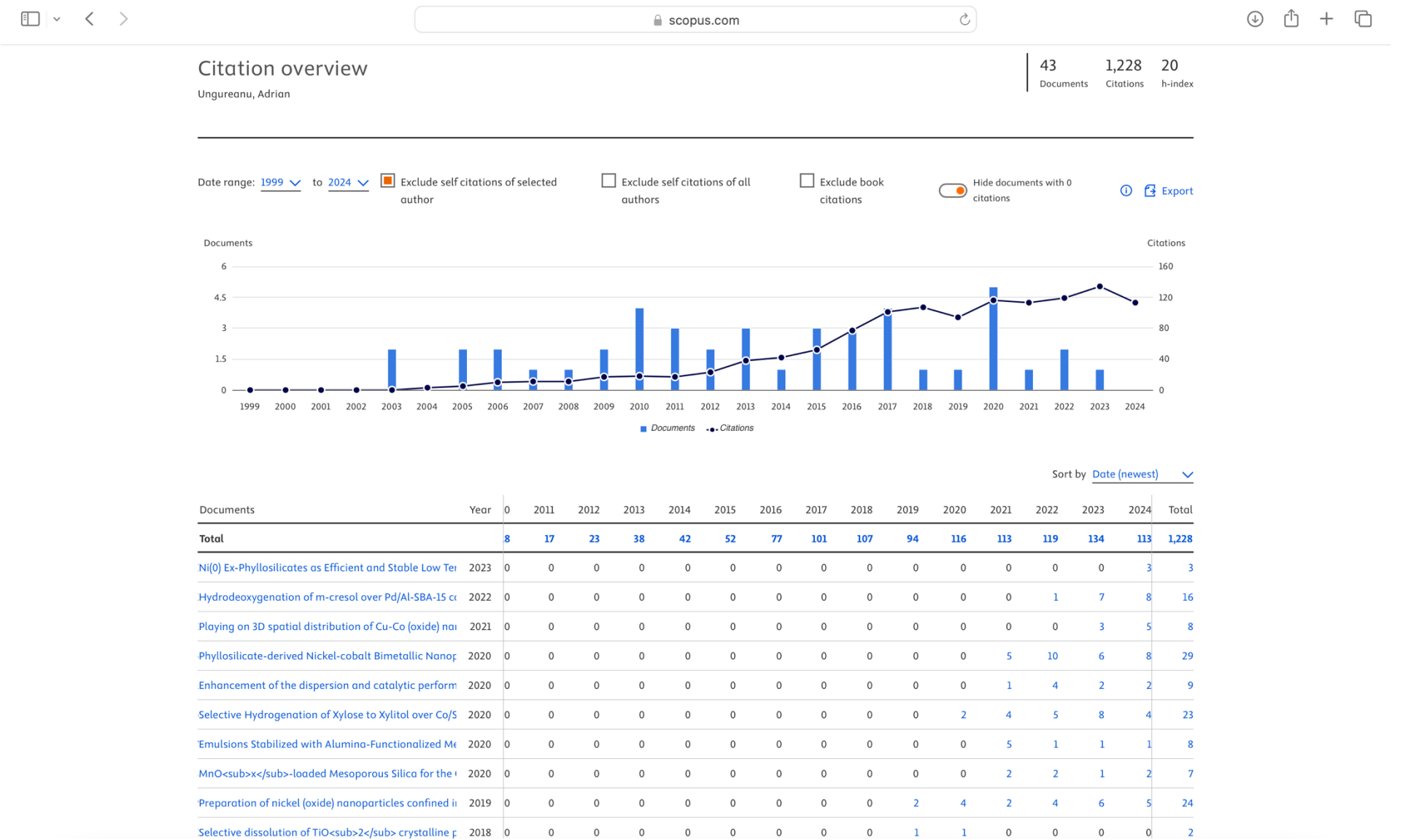
	<i>highly dispersed and thermally stable copper-based nanoparticles supported on SBA-15 occluded with P123 surfactant for catalytic applications</i> , Journal of Catalysis , 339, 2016 , 270-283.			
17	Brandusa Dragoi, Adrian Ungureanu , Carmen Ciotonea, Alexandru Chirieac, Sabine Petit, Sebastien Royer, Emil Dumitriu, <i>Controlling the distribution of cobalt (oxide) nanoparticles in the dual pore system of SBA-15 scaffolds</i> , Microporous and Mesoporous Materials , 224, 2016 , 176-189.	4.8	7	0.7
18	Alexandra Sasu, Brindusa Dragoi, Adrian Ungureanu , Sébastien Royer, Emil Dumitriu, Vasile Hulea, <i>Selective conversion of styrene oxide to 2-phenylethanol in cascade reactions over non-noble metal catalysts</i> , Catalysis Science & Technology , 6(2), 2016 , 468-478.	4.4	6	0.7
19	Brindusa Dragoi, Adrian Ungureanu , Alexandru Chirieac, Carmen Ciotonea, Constantin Rudolf, Sebastien Royer, Emil Dumitriu, <i>Structural and catalytic properties of mono-and bimetallic nickel-copper nanoparticles derived from MgNi (Cu) Al-LDHs under reductive conditions</i> , Applied Catalysis A: General , 504, 2015 , 92-102.	4.7	7	0.7
20	Maïté Audemar, Carmen Ciotonea, Karine De Oliveira Vigier, Sébastien Royer, Adrian Ungureanu , Brindusa Dragoi, Emil Dumitriu, François Jérôme, <i>Selective Hydrogenation of Furfural to Furfuryl Alcohol in the Presence of a Recyclable Cobalt/SBA-15 Catalyst</i> , ChemSusChem , 8(11), 2015 , 1885-1891.	7.5	8	0.9
21	Constantin Rudolf, Irina Mazilu, Alexandru Chirieac, Brandusa Dragoi, Fatima Abi-Ghaida, Adrian Ungureanu , Ahmad Mehdi, Emil Dumitriu, <i>COPPER NANOPARTICLES SUPPORTED ON POLYETHER- FUNCTIONALIZED MESOPOROUS SILICA. SYNTHESIS AND APPLICATIONHYDROGENATION CATALYSTS</i> , Environmental Engineering and Management Journal , 14(2), 2015 , 399-408.	0.9	8	0.1
22	Constantin Rudolf, Fatima Abi-Ghaida, Brindusa Dragoi, Adrian Ungureanu , Ahmad Mehdi, Emil Dumitriu, <i>An efficient route to prepare highly dispersed metallic copper nanoparticles on ordered mesoporous silica with outstanding activity for hydrogenation reactions</i> , Catalysis Science & Technology , 5(7), 2015 , 3735-3745.	4.4	1	4.4
23	Constantin Rudolf, Brindusa Dragoi, Adrian Ungureanu , Alexandru Chirieac, Sébastien Royer, Alfonso Nastro, Emil Dumitriu, <i>NiAl and CoAl materials derived from takovite-like LDHs and related structures as efficient chemoselective hydrogenation catalysts</i> , Catalysis Science & Technology , 4(1), 2014 , 179-189.	4.4	7	0.6
24	Carmen Ciotonea, Brindusa Dragoi, Adrian Ungureanu , Alexandru Chirieac, Sabine Petit, Sébastien Royer, Emil Dumitriu, <i>Nanosized transition metals in controlled environments of phyllosilicate-mesoporous silica composites as highly thermostable and active catalysts</i> , Chemical Communications , 49(69), 2013 , 7665-7667.	4.3	1	4.3
25	Brandusa Dragoi, Adrian Ungureanu , Alexandru Chirieac, Vasile Hulea, Sebastien Royer, Emil Dumitriu, <i>Enhancing the performance of SBA-15-supported copper catalysts by chromium addition for the chemoselective hydrogenation of trans-cinnamaldehyde</i> , Catalysis Science & Technology , 3(9), 2013 , 2319-2329.	4.4	6	0.7
26	Ungureanu, A. , Dragoi, B., Chirieac, A., Ciotonea, C., Royer, S., Duprez, D., Mamede, A.S., Dumitriu, E., <i>Composition-Dependent Morphostructural Properties of Ni-Cu Oxide Nanoparticles</i>	8.3	1	8.3

	<i>Confined within the Channels of Ordered Mesoporous SBA-15 Silica</i> , ACS Applied Materials and Interfaces , 5 (2013), pp. 3010–3025.			
27	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 Materials , 163 (2012), pp. 51-64.	4.8	1	4.8
28	Chirieac, A., Dragoi, B., Ungureanu, A. , Corcodel, A.M., Rudolf, C., Sasu, A., Dumitriu, E., <i>Controlling the activity and chemoselectivity in the cinnamaldehyde hydrogenation by insertion of non-noble metals in the matrix of hydroalcite-like materials</i> , Environmental Engineering and Management Journal , 11 (1) (2012), pp. 47-54.	0.9	7	0.1
29	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> , Journal of Materials Chemistry , 21 (2011), pp. 15619–15628.	6.626*	6	1.1
30	Dragoi, B., Ungureanu, A. , Chirieac, A., Dumitriu, E., <i>Synthesis of new catalysts by insertion of Co and Cu in the matrix of hydrotalcite-like materials for cinnamaldehyde hydrogenation</i> , Environmental Engineering and Management Journal , 10 (10) (2011), pp. 1561-1571.	0.9	4	0.2
31	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> , Journal of Materials Chemistry , 21 (2011), pp. 12529–12541.	6.626*	1	6.6
32	La Parola, V., Dragoi, B., Ungureanu, A. , Dumitriu, E., Venezia, A.M., <i>New HDS Catalysts Based on Thiol Functionalized Mesoporous Silica Supports</i> , Applied Catalysis A: General , 386 (2010), pp. 43-50.	4.7	5	0.9
33	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 chemical composition on the catalytic properties</i> , Environmental Engineering and Management Journal , 9 (9) (2010), pp. 1203-1210.	0.9	8	0.1
34	Dragoi, B., Ungureanu, A. , Chirieac, A., Hulea, V., Dumitriu, E., <i>Hydrogenation of unsaturated carbonyl compounds on non-calcined LDHs. I. Synthesis and characterization of ZnNiCuAl hydrotalcite-like materials</i> , Acta Chimica Slovenica , 57(3) (2010), pp. 677-685.	1.2	5	0.2
35	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> , Environmental Engineering and Management Journal , 9 (4) (2010), pp. 461-468.	0.9	1	0.9
36	Apreatesei, R.E., Catrinescu, C., Ungureanu, A. , Teodosiu, C., <i>Removal of 4-chlorophenol by surfactant modified zeolites and surfactant modified alkali-treated natural zeolites</i> , Environmental Engineering and Management Journal , 8 (5) (2009), pp. 1053-1060.	0.9	4	0.2
37	Drăgoi, B., Ungureanu, A. , Dumitriu, E., <i>CsHSO₄/mesoporous silica composites - New electrolytes for solid acid fuel cells</i> , Environmental Engineering and Management Journal , 8 (1) (2009), pp. 1-9.	0.9	3	0.3

38	A. Ungureanu , B. Drăgoi, A.Chirieac, C. Catrinescu, E. Dumitriu, <i>Synthesis of Highly Ordered Titanium-Containing SBA-15 Mesoporous Silicas for Catalytic Eco-Friendly Oxidations</i> , Environmental Engineering and Management Journal , 7 (2008) 3, pp. 255-262.	0.9	1	0.9
39	A. Ungureanu , H.V. Thang, D. Trong On, E. Dumitriu, S. Kaliaguine, <i>Acid Properties of Semicrystalline Zeolitic Mesoporous UL-ZSM-5 Materials</i> , Journal of Thermal Analysis and Calorimetry , 87 (2007) 2, pp. 417-422.	3	1	3.0
40	Vinh-Thang, H., Huang, Q., Ungureanu, A. , Eic, M., Trong-On, D., Kaliaguine, S., <i>Effect of the Acid Properties on the Diffusion of C7 Hydrocarbons in UL-ZSM-5 Materials</i> , Microporous and Mesoporous Materials (ELSEVIER) , 92 (2006) 1-3, pp. 117-128.	4.8	6	0.8
41	Vinh-Thang, H., Huang, Q., Ungureanu, A. , Eic, M., Trong-On, D., Kaliaguine, S., <i>Structural and Diffusion Characterization of Steam-Stable Mesostructured Zeolitic UL-ZSM-5 Materials</i> , Langmuir , 22 (2006), pp. 4777-4786.	3.7	6	0.6
42	Ungureanu, A. , Hoang, T.V., Trong On, D., Dumitriu, E., Kaliaguine, S., <i>An Investigation of the Acid Properties of UL-ZSM-5 by FTIR of Adsorbed 2,6-Ditertbutylpyridine and Aromatic Transalkylation Test Reactions</i> , Applied Catalysis A: General , 294 (2005), pp. 92-105.	4.7	1	4.7
43	Ungureanu, A. , Royer, S., Hoang, T.V., Trong On, D., Dumitriu, E., Kaliaguine, S., <i>Aldol Condensation over Semicrystalline Zeolitic Mesoporous UL-ZSM-5</i> , Microporous and Mesoporous Materials , 84 (2005) 1-3, pp. 283-296.	4.8	1	4.8
44	Ungureanu, A. , Trong On, D., Dumitriu, E., Kaliaguine, S., <i>Hydroxylation of 1-Naphthol over UL-TS-1 and TS-1 Coated MCF</i> , Applied Catalysis A: General , 254 (2003) 2, pp. 203-223.	4.7	1	4.7
45	Trong On, D., Ungureanu, A. , Kaliaguine, S., <i>TS-1 Coated Mesocellular Titano-silica Foams as New Catalyst for Oxidation of Bulky Molecules</i> , Physical Chemistry Chemical Physics , 5 (2003) 16, pp. 3534-3538.	2.9	3	1.0
FIC = 100				

*S-a luat in calcul ultimul FI calculat de Clarivate pentru revista Journal of Materials Chemistry (JCR 2013). Începand cu anul 2013, revista Journal of Materials Chemistry a fost impartita in trei reviste: Journal of Materials Chemistry A, Journal of Materials Chemistry B și Journal of Materials Chemistry C.

4. Număr total de citări din baza SCOPUS (NC) – accesat 16.12.2024



NC = 1228

5. Număr contracte de cercetare-dezvoltare-inovare (NCO)

Nr crt	Contracte de cercetare-dezvoltare-inovare in calitate de director de proiect
1	<i>Nanomateriale catalitice avansate pentru aplicații de mediu (CatEnA)</i> , Proiect PNCDI IV, Program 5.8 - Cooperare Europeană și Internațională, PN-IV-P8-8.3-PM-RO-FR-2024-0152, Proiecte de mobilitate bilaterale România-Franța, Perioada: 09/2024- 12/2025 Site web: http://www.cercetare.icpm.tuiasi.ro/proiecte/CatEnA
2	<i>Nanocatalizatori Metalici pentru Sinteza Chimicalelor Fine Preparați prin Controlul Mediului Local al Suporturilor Mezostructurate (NanoMesoChem)</i> , Proiect PN II, Program Resurse Umane, PN-II-RUTE-2012-3-0403, Proiecte de cercetare pentru stimularea constituirii de tinere echipe de cercetare independente – TE, Perioada: 05/2013- 11/2016 Site web: http://cercetare.icpm.tuiasi.ro/TE/NanoMesoChem/index.html
3	<i>Ordered Mesoporous Aluminas as New Catalytic Supports of Highly Dispersed Copper Nanoparticles for Chemoselective Hydrogenations (AlCat)</i> , Proiect PN II, Program Capacități, Modulul III - Proiecte de sprijinire a participării României la proiecte internaționale de cercetare, PN-II-CT-RO-FR-2012-1-0052, Proiecte de cooperare bilaterală România-Franța, Perioada: 05/2013- 11/2014 Site web: http://cercetare.icpm.tuiasi.ro/parteneriate/alcat/index.html
NCO = 3	

Data: 16.12.2024

Candidat: Conf. univ. dr. habil. ing. Adrian Ungureanu
(Nume prenume si semnătura)

