



ACADEMIA ROMÂNĂ  
SCOSAAR

**AVIZAT**

**DIRECTOR SCOSAAR**

*M. Zaharescu*

Acad. Maria ZAHARESCU

ÎNDEPLINIREA STANDARDELOR MINIMALE

DA    |     NU

**FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE  
conform CNATDCU**

Candidat: Mitran Raul-Augustin

	Nmax	FIC	FIC <sub>D</sub>	FIC <sub>AP</sub>	FIC <sub>AC</sub>	h index
Criteria CS1	50	100	70	50	25	13
Candidat	44	155.754	78.85	73.676	51.26	14

**FIȘA DE VERIFICARE**

a îndeplinirii standardelor minimale

Data: 09.06.2022

Semnătura:

*M. Zaharescu*

Articole ISI ordonate după factorul de impact (FI=factor impact; AP=autor principal; AC=autor corespondență)

**Sumă FI =155.754**

Nr	Articol	FI	AP	AC	Domeniu
1	R.-A. Mitran, D. Lincu, L. Buhălțeanu, D. Berger, C. Matei, Shape-stabilized phase change materials using molten NaNO <sub>3</sub> – KNO <sub>3</sub> eutectic and mesoporous silica matrices, <i>Solar Energy Materials and Solar Cells</i> , 215 (2020) 110644.	7.267	DA	DA	Materials Science, Multidisciplinary
2	R.A. Mitran, D. Lincu, S. Ioniță, M. Deaconu, V.V. Jerca, O.C. Mocioiu, D. Berger, C. Matei, High temperature shape – Stabilized phase change materials obtained using mesoporous silica and NaCl – NaBr – Na <sub>2</sub> MoO <sub>4</sub> salt eutectic, <i>Solar Energy Materials and Solar Cells</i> , 218 (2020) 110760.	7.267	DA	DA	Materials Science, Multidisciplinary
3	D. Lincu, S. Ioniță, O.C. Mocioiu, D. Berger, C. Matei, R.A. Mitran, Aluminum doping of mesoporous silica as a promising strategy for increasing the energy storage of shape stabilized phase change materials containing molten NaNO <sub>3</sub> : KNO <sub>3</sub> eutectic mixture, <i>Journal of Energy Storage</i> , 49 (2022) 104188.	6.583	DA	DA	Energy & Fuels
4	S. Ioniță, D. Lincu, R.-A. Mitran, L. Ziko, N.K. Sedky, M. Deaconu, A.-M. Brezoiu, C. Matei, D. Berger, Resveratrol Encapsulation and Release from Pristine and Functionalized Mesoporous Silica Carriers, <i>Pharmaceutics</i> , 14 (2022) 203.	6.321	DA	DA	Pharmacology & Pharmacy
5	I. Atkinson, A.M. Seciu-Grama, S. Petrescu, D. Culita, O.C. Mocioiu, M. Voicescu, R.-A. Mitran, D. Lincu, A.-M. Prelipcean, O. Craciunescu, Cerium-Containing Mesoporous Bioactive Glasses (MBGs)-Derived Scaffolds with Drug Delivery Capability for Potential Tissue Engineering Applications, <i>Pharmaceutics</i> , 14 (2022) 1169.	6.321			Pharmacology & Pharmacy
6	A.-M. Brezoiu, L. Bajenaru, D. Berger, R.-A. Mitran, M. Deaconu, D. Lincu, A. Stoica Guzun, C. Matei, M.G. Moisescu, T. Negreanu-Pirjol, Effect of Nanoconfinement of Polyphenolic Extract from Grape Pomace into Functionalized Mesoporous Silica on Its Biocompatibility and Radical Scavenging Activity, <i>Antioxidants</i> , 9 (2020) 696.	6.312			Chemistry, Medicinal
7	M. Deaconu, A.-M. Brezoiu, R.-A. Mitran, I. Nicu, B. Manolescu, C. Matei, D. Berger, Exploiting the zwitterionic properties of lomefloxacin to tailor its delivery from functionalized MCM-41 silica, <i>Microporous and Mesoporous Materials</i> , 305 (2020) 110323.	5.455			Chemistry, Physical
8	R.-A. Mitran, D.C. Culita, I. Atkinson, Thermal stability enhancement of mesoporous SBA-15 silica through nanoconfinement of ceria nanoparticles, <i>Microporous and Mesoporous Materials</i> , (2020) 110484.	5.455	DA	DA	Chemistry, Physical
9	A.I. Voicu, S.A. Gârea, A. Ghebur, C.L. Nistor, A. Sârbu, E. Vasile, R. Mitran, H. Iovu, New nanocarriers based on Porous Clay Heterostructures (PCH) designed for methotrexate delivery, <i>Microporous and Mesoporous Materials</i> , 328 (2021) 111434.	5.455			Chemistry, Physical
10	C. Matei, L. Buhălțeanu, D. Berger, R.-A. Mitran, Functionalized mesoporous silica as matrix for shape-stabilized phase change materials, <i>International Journal of Heat and Mass Transfer</i> , 144 (2019) 118699.	4.947	DA	DA	Thermodynamics
11	R.-A. Mitran, C. Matei, D. Berger, L. Băjenaru, M.G. Moisescu, Controlling drug release from mesoporous silica through an amorphous, nanoconfined 1-tetradecanol layer, <i>European Journal of</i>	4.708	DA		Pharmacology & Pharmacy

	Pharmaceutics and Biopharmaceutics, 2018, 127, 318-325				
12	O.-C. Mocioiu, I. Atkinson, A.-M. Mocioiu, S. Neagu, R. Ruginescu, R.-A. Mitran, M. Enache, Effect of ZnO on Properties of Gels for Heritage Objects Conservation, Gels, 7 (2021) 251.	4.702			-
13	AM Brezoiu, M Deaconu, I Nicu, E Vasile, RA Mitran, C Matei, D Berger, Heteroatom modified MCM-41-silica carriers for Lomefloxacin delivery systems, Microporous and Mesoporous Materials, 2019, 275, 214-222	4.551			Chemistry, Physical
14	E. Rusen, A. Mocanu, R. Şomoghi, D.C. Culiţă, R.A. Mitran, A. Dinescu, A. Matei, A. Diacon, Mechanism of polymer particles formation during the soap-free emulsion terpolymerization of styrene-acrylic acid-N-(isopropyl acrylamide) for photonic crystals fabrication, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 614 (2021) 126158.	4.539			Chemistry, Physical
15	R. A. Mitran, D. Berger, C. Munteanu, C. Matei, "Evaluation of Different Mesoporous Silica Supports for Energy Storage in Shape-Stabilized Phase Change Materials with Dual Thermal Response", The Journal of Physical Chemistry C, 2015, 119 (27), 15177-15184	4.509	DA		Chemistry, Physical
16	M.-R. Buga, A.A. Spinu-Zaulet, C.G. Ungureanu, R.-A. Mitran, E. Vasile, M. Florea, F. Neatu, Carbon-Coated SiO <sub>2</sub> Composites as Promising Anode Material for Li-Ion Batteries, Molecules, 26 (2021) 4531	4.412			Chemistry, Multidisciplinary
17	R.-A. Mitran, S. Ioniţă, D. Lincu, D. Berger, C. Matei, A Review of Composite Phase Change Materials Based on Porous Silica Nanomaterials for Latent Heat Storage Applications, Molecules, 26 (2021) 241.	4.411	DA	DA	Chemistry, Multidisciplinary
18	R.A. Mitran, C. Matei, D. Berger, Correlation of Mesoporous Silica Structural and Morphological Features with Theoretical Three-Parameter Model for Drug Release Kinetics, Journal of Physical Chemistry C, 2016, 120 (51), 29202–29209	4.123	DA		Chemistry, Physical
19	D. Berger; S. Nastase; R. A. Mitran; M. Petrescu; E. Vasile; C. Matei; T. Negreanu-Pirjol, Mesostructured silica and aluminosilicate carriers for oxytetracycline delivery systems, International Journal of Pharmaceutics, 2016, 510, 524–531	3.649			Pharmacology & Pharmacy
20	A.-M. Prelipean, A. Iosageanu, A. Gaspar-Pintiliescu, L. Moldovan, O. Craciunescu, T. Negreanu-Pirjol, B. Negreanu-Pirjol, R.-A. Mitran, M. Marin, U. D'Amora, Marine and Agro-Industrial By-Products Valorization Intended for Topical Formulations in Wound Healing Applications, Materials, 15 (2022) 3507	3.623			Materials Science, Multidisciplinary
21	M. Deaconu, L. Pintilie, E. Vasile, R.A. Mitran, G.G. Pircalabioru, C. Matei, M.C. Chifiriuc, D. Berger, Norfloxacin delivery systems based on MCM-type silica carriers designed for the treatment of severe infections, Materials Chemistry and Physics, 238 (2019) 121886. DOI: 10.1016/j.matchemphys.2019.121886	3.408			Materials Science, Multidisciplinary
22	D Berger, L Bajenaru, S Nastase, RA Mitran, C Munteanu, C Matei, "Influence of structural, textural and surface properties of mesostructured silica and aluminosilicate carriers on aminoglycoside uptake and in vitro delivery", Microporous & Mesoporous Materials, 2015, 206, 150-160	3.349			Chemistry, Physical
23	R.A. Mitran, M.C. Radulescu, L. Buhalteanu, L.C. Tanase, D.G. Dumitrescu, C. Matei, Formation of pure-phase W2C nanoparticles through carbothermal reduction in the presence of Pd(0) nanoparticles, Journal of Alloys and Compounds, 2016, 682, 679-685	3.313	DA	DA	Chemistry, Physical
24	O. I. Covaci, R. A. Mitran, L. Buhalteanu, D. Dumitrescu, S. Sova, C. M. Manta, Bringing new life into old drugs. A case study on nifuroxazide polymorphism, CrystEngComm, 2017, 19, 3584-359	3.304			Chemistry, Multidisciplinary
25	R.A. Mitran, S. Nastase, C. Matei, D. Berger, "Tailoring the dissolution rate enhancement of aminoglutethimide by	3.289	DA		Chemistry, Multidisciplinary

	functionalization of MCM-41 silica: a hydrogen bonding propensity approach", RSC Advances, 2015, 5, 2592-2601				
26	S. Nastase, L. Bajenaru, C. Matei, R.A. Mitran, D. Berger, "Ordered mesoporous silica and aluminosilicate-type matrix for amikacin delivery systems", Microporous & Mesoporous Materials, 2013, 182, 32 -39	3.209			Chemistry, Physical
27	Sandu, T., Mitran, R.A., Sârbu, A. et al. Two- component polymer beads with magnetic features as efficient means for active principles binding. Journal Of Polymer Researc 28, 277 (2021).	3.097			Polymer Science
28	R.-A. Mitran, S. Petrescu, S. Șomăcescu, O.C. Mocioiu, L. Buhălțeanu, D. Berger, C. Matei, Nanocomposite phase change materials based on NaCl–CaCl <sub>2</sub> and mesoporous silica, Journal Of Thermal Analysis And Calorimetry, 138(4), 2019, 2555-2563.	2.471	DA	DA	Chemistry, Physical
29	M. Baibarac, I. Smaranda, M. Scocioreanu, R. A. Mitran, M. Enculescu, M. Galatanu and I. Baltog," Exciton-phonon interaction in PbI <sub>2</sub> revealed by Raman and photoluminescence studies using excitation light overlapping the fundamental absorption edge", Materials Research Bulletin, 2015, 70, 762-772	2.435			Materials Science, Multidisciplinary
30	A. Gaspar-Pintiliescu, E.D. Anton, A. Iosageanu, D. Berger, C. Matei, R.-A. Mitran, T. Negreanu-Pirjol, O. Craciunescu, L. Moldovan, Enhanced Wound Healing Activity of Undenatured Type I Collagen Isolated from Discarded Skin of Black Sea Gilthead Bream ( <i>Sparus aurata</i> ) Conditioned as 3D Porous Dressing, Chemistry & Biodiversity, 18 (2021) e2100293.	2.408			Chemistry, Multidisciplinary
31	E. Constantin, P. Varasteanu, I. Mihalache, G. Craciun, R.-A. Mitran, M. Popescu, A. Boldeiu, M. Simion, SPR detection of protein enhanced by seedless synthesized gold nanorods, Biophysical Chemistry, 279 (2021) 106691.	2.352			Chemistry, Physical
32	R.A. Mitran, D. Berger, C. Matei, Improving thermal properties of shape-stabilized phase change materials containing lauric acid and mesocellular foam silica by assessing thermodynamic properties of the non-melting layer. Thermochemica Acta 2018, 660, 70-76	2.251	DA		Chemistry, Physical
33	R. A. Mitran, D. Berger, J. Pandele-Cusu, C. Matei, Effect of aluminum incorporation into mesoporous aluminosilicate framework on drug release kinetics, Journal of Nanomaterials, 2017, 2017, Article ID 9864396	2.207	DA		Materials Science, Multidisciplinary
34	S. A. Gârea, A. I. Mihai, E. Vasile, C. Nistor, A. Sârbu, R.A. Mitran, Synthesis of new porous clay heterostructures: The influence of co-surfactant type, Materials Chemistry and Physics, 2016, 179, 17-26	2.084			Materials Science, Multidisciplinary
35	R.A. Mitran, D. Berger, C. Matei, Phase Change Materials Based on Mesoporous Silica, Current Organic Chemistry, 22(27), 2018, 2644-2663 DOI: 10.2174/1385272822666180827125651	1.933	DA	DA	Chemistry, Organic
36	D. Georgescu, A.M. Brezoiu, R.A. Mitran, D. Berger, C. Matei, B. Negreanu-Pirjol, Mesostructured silica–titania composites for improved oxytetracycline delivery systems, Comptes Rendus Chimie, 2017, 20(11-12), 1017-1025	1.877			Chemistry, Multidisciplinary
37	M. Petrescu, R.A. Mitran, C. Matei, M. Radulescu, D. Berger, Silica-Alginate Composites for Intestinal Ketoprofen Delivery, Revista de Chimie, 69 (12), 2018, 3416 - 3422	1.755			Chemistry, Multidisciplinary
38	A. Nilă, M. Baibarac, A. Matea, R.A. Mitran, I. Baltog, Exciton–Phonon Interactions in the Cs <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> Crystal Structure Revealed by Raman Spectroscopic Studies. Physica Status Solidi (b), 2017, 254 (4), 1552805	1.729			Physics, Condensed Matter
39	R.A. Mitran, D. Berger, L. Bajenaru, S. Nastase, C. Andronescu, C. Matei, "Azobenzene functionalized mesoporous AIMCM-41-type support for drug release applications", Central European Journal of Chemistry, 2014, 12 (7), 788-795	1.329	DA		Chemistry, Multidisciplinary
40	M. Deaconu, I. Nicu, R. Tincu, A.-M. Brezoiu, R.-A. Mitran, E. Vasile, C. Matei, D. Berger, Tailored doxycycline delivery from MCM-41-type silica carriers, Chemical Papers, 2018,72, 1869–1880	1.246			Chemistry, Multidisciplinary

41	R.A. Mitran, C. Draghici, S. Tomas, "New 6-Azauracil Derivatives", Rev Chim-Bucharest, 2010, 61, 12, 1147 – 1149	0.693	DA	DA	Chemistry, Multidisciplinary
42	R.A. Mitran, D. Mihaiescu, S. Tomas, "Gas Chromatography-Mass Spectrometry Studies of Several Allyl-substituted 6-Azauracil Derivatives", Rev Chim-Bucharest, 2011, 62, 10, 964 - 967	0.599	DA	DA	Chemistry, Multidisciplinary
43	R.A. Mitran, D. Georgescu, N. Stanica, C. Matei, D. Berger, Coating magnetite nanoparticles with mesostructured silica shell of different pore size and geometry, Romanian Journal of Materials 2016, 46 (4), 437-443	0.56	DA		Materials Science, Multidisciplinary
44	M. Petrescu, R.A. Mitran, C. Matei, D. Berger, Mesoporous Silica-Ceria composites as Carriers for Drug Delivery Systems, Revue Roumaine de Chimie, 2016, 61(6-7), 557-563	0.246			Chemistry, Multidisciplinary

**Articole ISI publicate în calitate de Autor Principal (AP)**  
**Sumă FI = 74.236**

Nr	Art	FI	Domeniu
1	R.-A. Mitran, D. Lincu, L. Buhălțeanu, D. Berger, C. Matei, Shape-stabilized phase change materials using molten NaNO <sub>3</sub> – KNO <sub>3</sub> eutectic and mesoporous silica matrices, Solar Energy Materials and Solar Cells, 215 (2020) 110644.	7.267	MATERIALS SCIENCE, MULTIDISCIPLINARY
2	R.A. Mitran, D. Lincu, S. Ioniță, M. Deaconu, V.V. Jerca, O.C. Mocioiu, D. Berger, C. Matei, High temperature shape – Stabilized phase change materials obtained using mesoporous silica and NaCl – NaBr – Na <sub>2</sub> MoO <sub>4</sub> salt eutectic, Solar Energy Materials and Solar Cells, 218 (2020) 110760.	7.267	MATERIALS SCIENCE, MULTIDISCIPLINARY
3	D. Lincu, S. Ioniță, O.C. Mocioiu, D. Berger, C. Matei, R.A. Mitran, Aluminum doping of mesoporous silica as a promising strategy for increasing the energy storage of shape stabilized phase change materials containing molten NaNO <sub>3</sub> : KNO <sub>3</sub> eutectic mixture, Journal of Energy Storage, 49 (2022) 104188.	6.583	ENERGY & FUELS
4	S. Ioniță, D. Lincu, R.-A. Mitran, L. Ziko, N.K. Sedky, M. Deaconu, A.-M. Brezoiu, C. Matei, D. Berger, Resveratrol Encapsulation and Release from Pristine and Functionalized Mesoporous Silica Carriers, Pharmaceutics, 14 (2022) 203.	6.321	PHARMACOLOGY & PHARMACY
5	R.-A. Mitran, D.C. Culita, I. Atkinson, Thermal stability enhancement of mesoporous SBA-15 silica through nanoconfinement of ceria nanoparticles, Microporous and Mesoporous Materials, (2020) 110484.	5.455	CHEMISTRY, PHYSICAL
6	C. Matei, L. Buhălțeanu, D. Berger, R.-A. Mitran, Functionalized mesoporous silica as matrix for shape-stabilized phase change materials, International Journal of Heat and Mass Transfer, 144 (2019) 118699.	4.947	THERMODYNAMICS
7	R.-A. Mitran, C. Matei, D. Berger, L. Băjenaru, M.G. Moisescu, Controlling drug release from mesoporous silica through an amorphous, nanoconfined 1-tetradecanol layer, European Journal of Pharmaceutics and Biopharmaceutics, 2018, 127, 318-325	4.708	PHARMACOLOGY & PHARMACY
8	R. A. Mitran, D. Berger, C. Munteanu, C. Matei, "Evaluation of Different Mesoporous Silica Supports for Energy Storage in Shape-Stabilized Phase Change Materials with Dual Thermal Response", The Journal of Physical Chemistry C, 2015, 119 (27), 15177-15184	4.509	CHEMISTRY, PHYSICAL
9	R.-A. Mitran, S. Ioniță, D. Lincu, D. Berger, C. Matei, A Review of Composite Phase Change Materials Based on Porous Silica Nanomaterials for Latent Heat Storage Applications, Molecules, 26 (2021) 241.	4.411	CHEMISTRY, MULTIDISCIPLINARY



10	R.A. Mitran, C. Matei, D. Berger, Correlation of Mesoporous Silica Structural and Morphological Features with Theoretical Three-Parameter Model for Drug Release Kinetics, <i>Journal of Physical Chemistry C</i> , 2016, 120 (51), 29202–29209	4.123	CHEMISTRY, PHYSICAL
11	R.A. Mitran, M.C. Radulescu, L. Buhălteanu, L.C. Tanase, D.G. Dumitrescu, C. Matei, Formation of pure-phase W2C nanoparticles through carbothermal reduction in the presence of Pd(0) nanoparticles, <i>Journal of Alloys and Compounds</i> , 2016, 682, 679-685	3.313	CHEMISTRY, PHYSICAL
12	R.A. Mitran, S. Nastase, C. Matei, D. Berger, "Tailoring the dissolution rate enhancement of aminoglutethimide by functionalization of MCM-41 silica: a hydrogen bonding propensity approach", <i>RSC Advances</i> , 2015, 5, 2592-2601	3.289	CHEMISTRY, MULTIDISCIPLINARY
13	R.-A. Mitran, S. Petrescu, S. Șomăcescu, O.C. Mocioiu, L. Buhălteanu, D. Berger, C. Matei, Nanocomposite phase change materials based on NaCl–CaCl <sub>2</sub> and mesoporous silica, <i>Journal Of Thermal Analysis And Calorimetry</i> , 138(4), 2019, 2555-2563.	2.471	CHEMISTRY, PHYSICAL
14	R.A. Mitran, D. Berger, C. Matei, Improving thermal properties of shape-stabilized phase change materials containing lauric acid and mesocellular foam silica by assessing thermodynamic properties of the non-melting layer. <i>Thermochimica Acta</i> 2018, 660, 70-76	2.251	CHEMISTRY, PHYSICAL
15	R. A. Mitran, D. Berger, J. Pandele-Cusu, C. Matei, Effect of aluminum incorporation into mesoporous aluminosilicate framework on drug release kinetics, <i>Journal of Nanomaterials</i> , 2017, 2017, Article ID 9864396	2.207	MATERIALS SCIENCE, MULTIDISCIPLINARY
16	R.A. Mitran, D. Berger, C. Matei, Phase Change Materials Based on Mesoporous Silica, <i>Current Organic Chemistry</i> , 22(27), 2018, 2644-2663 DOI: 10.2174/1385272822666180827125651	1.933	CHEMISTRY, ORGANIC
17	R.A. Mitran, D. Berger, L. Bajenaru, S. Nastase, C. Andronesu, C. Matei, "Azobenzene functionalized mesoporous AlMCM-41-type support for drug release applications", <i>Central European Journal of Chemistry</i> , 2014, 12 (7), 788-795	1.329	CHEMISTRY, MULTIDISCIPLINARY
18	R.A. Mitran, C. Draghici, S. Tomas, "New 6-Azauracil Derivatives", <i>Rev Chim-Bucharest</i> , 2010, 61, 12, 1147 – 1149	0.693	CHEMISTRY, MULTIDISCIPLINARY
19	R.A. Mitran, D. Mihaiescu, S. Tomas, "Gas Chromatography-Mass Spectrometry Studies of Several Allyl-substituted 6-Azauracil Derivatives", <i>Rev Chim-Bucharest</i> , 2011, 62, 10, 964 - 967	0.599	CHEMISTRY, MULTIDISCIPLINARY
20	R.A. Mitran, D. Georgescu, N. Stanica, C. Matei, D. Berger, Coating magnetite nanoparticles with mesostructured silica shell of different pore size and geometry, <i>Romanian Journal of Materials</i> 2016, 46 (4), 437-443	0.56	MATERIALS SCIENCE, MULTIDISCIPLINARY

**Articole ISI publicate în calitate de Autor de Corespondență (AC)  
Sumă FI = 51.26**

Nr	Art	FI	Domeniu
1	R.-A. Mitran, D. Lincu, L. Buhălteanu, D. Berger, C. Matei, Shape-stabilized phase change materials using molten NaNO <sub>3</sub> – KNO <sub>3</sub> eutectic and mesoporous silica matrices, <i>Solar Energy Materials and Solar Cells</i> , 215 (2020) 110644.	7.267	MATERIALS SCIENCE, MULTIDISCIPLINARY
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3	D. Lincu, S. Ioniță, O.C. Mocioiu, D. Berger, C. Matei, R.A. Mitran, Aluminum doping of mesoporous silica as a promising strategy for increasing the energy storage of shape stabilized phase change materials containing molten NaNO <sub>3</sub> : KNO <sub>3</sub> eutectic mixture, <i>Journal of Energy Storage</i> , 49 (2022) 104188.	6.583	ENERGY & FUELS
4	S. Ioniță, D. Lincu, R.-A. Mitran, L. Ziko, N.K. Sedky, M. Deaconu, A.-M. Brezoiu, C. Matei, D. Berger, Resveratrol Encapsulation and Release from Pristine and Functionalized Mesoporous Silica Carriers, <i>Pharmaceutics</i> , 14 (2022) 203.	6.321	PHARMACOLOGY & PHARMACY
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6	C. Matei, L. Buhălțeanu, D. Berger, R.-A. Mitran, Functionalized mesoporous silica as matrix for shape-stabilized phase change materials, <i>International Journal of Heat and Mass Transfer</i> , 144 (2019) 118699.	4.947	THERMODYNAMICS
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13	R.-A. Mitran, S. Petrescu, S. Șomăcescu, O.C. Mocioiu, L. Buhălțeanu, D. Berger, C. Matei, Nanocomposite phase change materials based on NaCl-CaCl <sub>2</sub> and mesoporous silica, <i>Journal Of Thermal Analysis And Calorimetry</i> , 138(4), 2019, 2555-2563.	2.471	CHEMISTRY, PHYSICAL
16	R.A. Mitran, D. Berger, C. Matei, Phase Change Materials Based on Mesoporous Silica, <i>Current Organic Chemistry</i> , 22(27), 2018, 2644-2663 DOI: 10.2174/1385272822666180827125651	1.933	CHEMISTRY, ORGANIC
18	R.A. Mitran, C. Draghici, S. Tomas, "New 6-Azauracil Derivatives", <i>Rev Chim-Bucharest</i> , 2010, 61, 12, 1147 – 1149	0.693	CHEMISTRY, MULTIDISCIPLINARY
19	R.A. Mitran, D. Mihaiescu, S. Tomas, "Gas Chromatography-Mass Spectrometry Studies of Several Allyl-substituted 6-Azauracil Derivatives", <i>Rev Chim-Bucharest</i> , 2011, 62, 10, 964 - 967	0.599	CHEMISTRY, MULTIDISCIPLINARY

### Articole ISI publicate în domeniul chimie

**Sumă FI = 84.846**

Nr.	Articol	FI	Domeniu
1	A.-M. Brezoiu, L. Bajenaru, D. Berger, R.-A. Mitran, M. Deaconu, D. Lincu, A. Stoica Guzun, C. Matei, M.G. Moisescu, T. Negreanu-Pirjol, Effect of Nanoconfinement of Polyphenolic Extract from Grape Pomace into Functionalized Mesoporous Silica on Its Biocompatibility and Radical Scavenging Activity, <i>Antioxidants</i> , 9 (2020) 696.	6.312	Chemistry, Medicinal
2	M. Deaconu, A.-M. Brezoiu, R.-A. Mitran, I. Nicu, B. Manolescu, C. Matei, D. Berger, Exploiting the zwitterionic properties of lomefloxacin to tailor its delivery from functionalized MCM-41 silica, <i>Microporous and Mesoporous Materials</i> , 305 (2020) 110323.	5.455	Chemistry, Physical
3	R.-A. Mitran, D.C. Culita, I. Atkinson, Thermal stability enhancement of mesoporous SBA-15 silica through nanoconfinement of ceria nanoparticles, <i>Microporous and Mesoporous Materials</i> , (2020) 110484.	5.455	Chemistry, Physical

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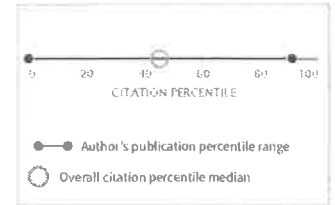
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