Cristian Matei

List of Publications by Year
in descending order

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Version: 2024-02-01

74	1,361	331670 21	395702 33
papers	citations	h-index	g-index

74	74	74	1907
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the ultrasound-assisted preparation of Cu/SiO2 system as a selective catalyst for the conversion of biobutanol to butanal. Chemical Papers, 2022, 76, 1443-1455.	2.2	1
2	Resveratrol Encapsulation and Release from Pristine and Functionalized Mesoporous Silica Carriers. Pharmaceutics, 2022, 14, 203.	4.5	14
3	Design of Nanoplatforms for Targeted Delivery of Irinotecan. , 2022, 7, .		0
4	Aluminum doping of mesoporous silica as a promising strategy for increasing the energy storage of shape stabilized phase change materials containing molten NaNO3: KNO3 eutectic mixture. Journal of Energy Storage, 2022, 49, 104188.	8.1	9
5	A Review of Composite Phase Change Materials Based on Porous Silica Nanomaterials for Latent Heat Storage Applications. Molecules, 2021, 26, 241.	3.8	52
6	Extracellular matrix biomimetic polymeric membranes enriched with silver nanoparticles for wound healing. Biomedical Materials (Bristol), 2021, 16, 035010.	3.3	14
7	Enhanced Wound Healing Activity of Undenatured Type I Collagen Isolated from Discarded Skin of Black Sea Gilthead Bream (Sparus aurata) Conditioned as 3D Porous Dressing. Chemistry and Biodiversity, 2021, 18, e2100293.	2.1	8
8	Mesoporous Silica and Titania-Based Materials for Stability Enhancement of Polyphenols. Materials, 2021, 14, 6457.	2.9	3
9	Calcium carbonate as silver carrier in composite materials obtained in green seaweed extract with topical applications. Journal of Sol-Gel Science and Technology, 2020, 93, 315-323.	2.4	16
10	Polyphenolic Extract from Sambucus ebulus L. Leaves Free and Loaded into Lipid Vesicles. Nanomaterials, 2020, 10, 56.	4.1	17
11	Properties of Free and Embedded Extracts from Different Grape Pomace into Mesoporous Inorganic Matrices. Proceedings (mdpi), 2020, 57, 78.	0.2	0
12	Effect of Nanoconfinement of Polyphenolic Extract from Grape Pomace into Functionalized Mesoporous Silica on Its Biocompatibility and Radical Scavenging Activity. Antioxidants, 2020, 9, 696.	5.1	20
13	High temperature shape â€“ Stabilized phase change materials obtained using mesoporous silica and NaCl â€“ NaBr â€“ Na2MoO4 salt eutectic. Solar Energy Materials and Solar Cells, 2020, 218, 110760.	6.2	16
14	Exploiting the zwitterionic properties of lomefloxacin to tailor its delivery from functionalized MCM-41 silica. Microporous and Mesoporous Materials, 2020, 305, 110323.	4.4	10
15	Shape-stabilized phase change materials using molten NaNO3 â€“ KNO3 eutectic and mesoporous silica matrices. Solar Energy Materials and Solar Cells, 2020, 215, 110644.	6.2	36
16	Mesoporous Cobalt Ferrite Nanosystems Obtained by Surfactant-Assisted Hydrothermal Method: Tuning Morpho-structural and Magnetic Properties via pH-Variation. Nanomaterials, 2020, 10, 476.	4.1	20
17	Properties of Salvia officinalis L. and Thymus serpyllum L. Extracts Free and Embedded into Mesopores of Silica and Titania Nanomaterials. Nanomaterials, 2020, 10, 820.	4.1	25
18	Nanocomposite phase change materials based on NaClâ€“CaCl2 and mesoporous silica. Journal of Thermal Analysis and Calorimetry, 2019, 138, 2555-2563.	3.6	7

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19	Norfloxacin delivery systems based on MCM-type silica carriers designed for the treatment of severe infections. Materials Chemistry and Physics, 2019, 238, 121886.	4.0	8
20	High Temperature Nanocomposite Phase Change Materials Containing Mesoporous Silica Matrices. Proceedings (mdpi), 2019, 29, .	0.2	0
21	Physicochemical and Biological Properties of Gelatin Extracted from Marine Snail Rapana venosa. Marine Drugs, 2019, 17, 589.	4.6	32
22	Polyphenols extract from grape pomace. Characterization and valorisation through encapsulation into mesoporous silica-type matrices. Food and Chemical Toxicology, 2019, 133, 110787.	3.6	63
23	Functionalized mesoporous silica as matrix for shape-stabilized phase change materials. International Journal of Heat and Mass Transfer, 2019, 144, 118699.	4.8	30
24	New Composite Nanomaterials with Antimicrobial and Photocatalytic Properties Based on Silver and Zinc Oxide. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 2072-2082.	3.7	15
25	Sinusoidal voltage electrodeposition of PEDOT-Prussian blue nanoparticles composite and its application to amperometric sensing of H2O2 in human blood. Materials Science and Engineering C, 2019, 102, 661-669.	7.3	29
26	Embedding Polyphenols Extract from Grape Marc into Inorganic Supports with Enhanced Stability. Proceedings (mdpi), 2019, 29, 38.	0.2	0
27	Influence of Mesoporous Silica Functionalization and Pore Size on Resveratrol Release Profiles. Proceedings (mdpi), 2019, 29, .	0.2	0
28	Electrochemical Sensing of Caffeic Acid Using Gold Nanoparticles Embedded in Poly(3,4-ethylenedioxythiophene) Layer by Sinusoidal Voltage Procedure. Chemosensors, 2019, 7, 65.	3.6	18
29	Heteroatom modified MCM-41-silica carriers for Lomefloxacin delivery systems. Microporous and Mesoporous Materials, 2019, 275, 214-222.	4.4	43
30	Mesoporous Silica as Carrier for Drug-Delivery Systems. , 2019, , 351-374.		8
31	Phase Change Materials Based on Mesoporous Silica. Current Organic Chemistry, 2019, 22, 2644-2663.	1.6	22
32	Silica-Alginate Beads for Intestinal Ketoprofen Delivery. Revista De Chimie (discontinued), 2019, 69, 3416-3422.	0.4	1
33	Characterization of Novel Hybrid Materials Conditioned as Sheets for Skin Repair. Proceedings (mdpi), 2019, 29, .	0.2	0
34	Characterization and applications of a new composite material obtained by green synthesis, through deposition of zinc oxide onto calcium carbonate precipitated in green seaweeds extract. Ceramics International, 2018, 44, 4931-4936.	4.8	18
35	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. Thermochimica Acta, 2018, 660, 70-76.	2.7	20
36	Tailored doxycycline delivery from MCM-41-type silica carriers. Chemical Papers, 2018, 72, 1869-1880.	2.2	25

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37	Controlling drug release from mesoporous silica through an amorphous, nanoconfined 1-tetradecanol layer. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 127, 318-325.	4.3	25
38	Utilization of Dielectric Properties Assessment To Evaluate the Catalytic Activity and Rate of Deactivation of Heterogeneous Catalysts. Industrial & Engineering Chemistry Research, 2017, 56, 1940-1947.	3.7	1
39	The influence of Triton X-100 surfactant on the morphology and properties of zinc sulfide nanoparticles for applications in azo dyes degradation. Materials Chemistry and Physics, 2017, 193, 316-328.	4.0	10
40	Properties of mesostructured silica coated CoFe2O4 versus Fe3O4-silica composites. Journal of Alloys and Compounds, 2017, 708, 278-284.	5.5	11
41	Mesostructured silicaâ€“titania composites for improved oxytetracycline delivery systems. Comptes Rendus Chimie, 2017, 20, 1017-1025.	0.5	4
42	Influence of Synthesis Route on the Structure and Properties of Zinc Oxide Nanoparticles Functionalized with Anthocyanins from Raw Vegetable Extracts. ECS Journal of Solid State Science and Technology, 2017, 6, P870-P878.	1.8	6
43	Effect of Aluminum Incorporation into Mesoporous Aluminosilicate Framework on Drug Release Kinetics. Journal of Nanomaterials, 2017, 2017, 1-9.	2.7	2
44	Microwave Assisted Fischer - Tropsch Synthesis at a Atmospheric Pressure. Revista De Chimie (discontinued), 2017, 68, 1040-1043.	0.4	2
45	Correlation of Mesoporous Silica Structural and Morphological Features with Theoretical Three-Parameter Model for Drug Release Kinetics. Journal of Physical Chemistry C, 2016, 120, 29202-29209.	3.1	33
46	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.	5.5	8
47	Electrochemical and microgravimetric studies of poly[3,4-ethylenedioxythiophene]-tyrosinase biocomposite material electrodeposited onto gold electrodes by a sinusoidal voltages method. Journal of Solid State Electrochemistry, 2016, 20, 3043-3051.	2.5	7
48	Box-Behnken experimental design for chromium(VI) ions removal by bacterial cellulose-magnetite composites. International Journal of Biological Macromolecules, 2016, 91, 1062-1072.	7.5	49
49	Mesostructured silica and aluminosilicate carriers for oxytetracycline delivery systems. International Journal of Pharmaceutics, 2016, 510, 524-531.	5.2	16
50	Evaluation of Different Mesoporous Silica Supports for Energy Storage in Shape-Stabilized Phase Change Materials with Dual Thermal Responses. Journal of Physical Chemistry C, 2015, 119, 15177-15184.	3.1	89
51	Fast synthesis of rare-earth (Pr3+, Sm3+, Eu3+ and Gd3+) doped bismuth ferrite powders with enhanced magnetic properties. Journal of Alloys and Compounds, 2015, 629, 62-68.	5.5	62
52	Tailoring the dissolution rate enhancement of aminoglutethimide by functionalization of MCM-41 silica: a hydrogen bonding propensity approach. RSC Advances, 2015, 5, 2592-2601.	3.6	16
53	Influence of structural, textural and surface properties of mesostructured silica and aluminosilicate carriers on aminoglycoside uptake and in vitro delivery. Microporous and Mesoporous Materials, 2015, 206, 150-160.	4.4	20
54	Mesostructured silica matrix for irinotecan delivery systems. Open Chemistry, 2014, 12, 813-820.	1.9	8

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55	Luminescence of Eu-doped langasite nanopowders synthesized by a modified Pechini route. Journal of Luminescence, 2014, 145, 690-696.	3.1	4
56	Azobenzene functionalized mesoporous AlMCM-41-type support for drug release applications. Open Chemistry, 2014, 12, 788-795.	1.9	11
57	Thermal decomposition of calcium carbonate polymorphs precipitated in the presence of ammonia and alkylamines. Advanced Powder Technology, 2014, 25, 500-507.	4.1	57
58	Correlation of the intracellular reactive oxygen species levels with textural properties of functionalized mesostructured silica. Journal of Biomedical Materials Research - Part A, 2014, 102, n/a-n/a.	4.0	4
59	Ordered mesoporous silica and aluminosilicate-type matrix for amikacin delivery systems. Microporous and Mesoporous Materials, 2013, 182, 32-39.	4.4	35
60	Upconversion luminescence of Er3+/Yb3+ co-doped nanolangasite synthesized by a modified Pechini route. Journal of Sol-Gel Science and Technology, 2012, 64, 667-672.	2.4	2
61	Influence of different templates on the morphology of mesoporous aluminas. Open Chemistry, 2012, 10, 1688-1695.	1.9	4
62	Magnetic nanoparticles coated with polysaccharide polymers for potential biomedical applications. Journal of Nanoparticle Research, 2011, 13, 6169-6180.	1.9	50
63	Synthesis of BaTiO3 by soft chemistry routes. Journal of Electroceramics, 2010, 24, 46-50.	2.0	11
64	Molten salt synthesis of lanthanum cuprate, La2CuO4â€‰+â€‰Î´. Journal of Electroceramics, 2010, 24, 64-66.	2.0	2
65	Synthesis of La1â^'xSrxMO3 (M=Mn, Fe, Co, Ni) nanopowders by alanine-combustion technique. Journal of the European Ceramic Society, 2010, 30, 617-622.	5.7	3
66	Characterization of BaMg1/3(Ta1â^'xNbx)2/3O3 ceramics obtained by a modified Pechini method. Journal of Alloys and Compounds, 2010, 497, 239-243.	5.5	8
67	Studies on combustion catalytic activity of some pure and doped lanthanum cobaltites. Applied Catalysis B: Environmental, 2008, 84, 758-765.	20.2	24
68	Pure and doped lanthanum cobaltites obtained by combustion method. Progress in Solid State Chemistry, 2007, 35, 183-191.	7.2	20
69	Lanthanum-based perovskites obtained in molten nitrates or nitrites. Progress in Solid State Chemistry, 2007, 35, 203-209.	7.2	32
70	Preparation and characterization of BiFeO3 ceramic. Progress in Solid State Chemistry, 2007, 35, 193-202.	7.2	56
71	Pure and doped lanthanum manganites obtained by combustion method. Journal of the European Ceramic Society, 2007, 27, 4395-4398.	5.7	43
72	Preparation and characterization of BiFeO3nanopowders. European Physical Journal Special Topics, 2005, 128, 7-11.	0.2	10

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73	Influence of spectator ions on the reactivity of divalent metal salts in molten alkali metal nitrates. Materials Research Bulletin, 2005, 40, 1-11.	5.2	10
74	Study of the reaction of tungsten carbide in molten alkali metal nitrates. Syntheses of divalent (s and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.9	6