Andreea Pasc

List of Publications by Year
in descending order

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74	2,039	279701	265120
papers	citations	23 h-index	42 g-index

78	78	78	3014
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hollow carbon spheres, synthesis and applications â€“ a review. Journal of Materials Chemistry A, 2016, 4, 12686-12713.	5.2	266
2	Silica-based systems for oral delivery of drugs, macromolecules and cells. Advances in Colloid and Interface Science, 2017, 249, 346-362.	7.0	114
3	Functional Gâ€Quartet Macroscopic Membrane Films. Angewandte Chemie - International Edition, 2007, 46, 8409-8413.	7.2	111
4	Dynamic hybrid materials for constitutional self-instructed membranes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8117-8122.	3.3	95
5	Amplification and Transcription of the Dynamic Supramolecular Chirality of the Guanine Quadruplex. Angewandte Chemie - International Edition, 2007, 46, 4268-4272.	7.2	94
6	pH- and glutathione-responsive release of curcumin from mesoporous silica nanoparticles coated using tannic acidâ€“Fe(<scp>iii</scp>) complex. RSC Advances, 2015, 5, 90550-90558.	1.7	71
7	Coreâ€“shell microcapsules of solid lipid nanoparticles and mesoporous silica for enhanced oral delivery of curcumin. Colloids and Surfaces B: Biointerfaces, 2016, 140, 161-168.	2.5	63
8	Encapsulation of probiotics: insights into academic and industrial approaches. AIMS Materials Science, 2016, 3, 114-136.	0.7	62
9	Easy and eco-friendly synthesis of ordered mesoporous carbons by self-assembly of tannin with a block copolymer. Green Chemistry, 2016, 18, 3265-3271.	4.6	58
10	Constitutional Selfâ€Organization of Adenineâ€“Uracilâ€Derived Hybrid Materials. Chemistry - A European Journal, 2007, 13, 6792-6800.	1.7	57
11	pH-controlled delivery of curcumin from a compartmentalized solid lipid nanoparticle@mesostructured silica matrix. Journal of Materials Chemistry B, 2014, 2, 7910-7917.	2.9	56
12	Ionâ€Conduction Pathways in Selfâ€Organised Ureidoareneâ€“Heteropolysiloxane Hybrid Membranes. Chemistry - A European Journal, 2008, 14, 1776-1783.	1.7	46
13	Hollow carbon spheres in microwaves: Bio inspired absorbing coating. Applied Physics Letters, 2016, 108, .	1.5	43
14	SPR screening of metal chelating peptides in a hydrolysate for their antioxidant properties. Food Chemistry, 2018, 239, 478-485.	4.2	36
15	Tuning the morphology and the structure of hierarchical mesoâ€“macroporous silica by dual templating with micelles and solid lipid nanoparticles (SLN). Journal of Materials Chemistry, 2012, 22, 21540.	6.7	30
16	Improved tribological properties, thermal and colloidal stability of poly-Î±-olefins based lubricants with hydrophobic MoS2 submicron additives. Journal of Colloid and Interface Science, 2020, 562, 91-101.	5.0	29
17	Isocyanate-mediated covalent immobilization of Mucor miehei lipase onto SBA-15 for transesterification reaction. Colloids and Surfaces B: Biointerfaces, 2013, 112, 139-145.	2.5	28
18	Freeze-dried alginate-silica microparticles as carriers of probiotic bacteria in apple juice and beer. LWT - Food Science and Technology, 2018, 91, 175-179.	2.5	27

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19	Fully carbon metasurface: Absorbing coating in microwaves. Journal of Applied Physics, 2017, 121, .	1.1	26
20	Effect of Meso vs Macro Size of Hierarchical Porous Silica on the Adsorption and Activity of Immobilized Î²-Galactosidase. Langmuir, 2017, 33, 3333-3340.	1.6	26
21	Spontaneous vesicles of single-chain sugar-based fluorocarbon surfactants. Journal of Fluorine Chemistry, 2005, 126, 33-38.	0.9	25
22	Nanoparticle-free magnetic mesoporous silica with magneto-responsive surfactants. Journal of Materials Chemistry C, 2013, 1, 6930.	2.7	24
23	Spin State As a Probe of Vesicle Self-Assembly. Journal of the American Chemical Society, 2016, 138, 2552-2555.	6.6	24
24	Atomistic description of phenol, CO and H2O adsorption over crystalline and amorphous silica surfaces for hydrodeoxygenation applications. Applied Surface Science, 2019, 494, 721-730.	3.1	23
25	Floating hollow carbon spheres for improved solar evaporation. Carbon, 2019, 146, 232-247.	5.4	22
26	Ordered mesoporous materials containing Mucor Miehei Lipase as biocatalyst for transesterification reaction. Process Biochemistry, 2013, 48, 831-837.	1.8	21
27	Metallo-Solid Lipid Nanoparticles as Colloidal Tools for Mesoâ€“Macroporous Supported Catalysts. Langmuir, 2015, 31, 1842-1849.	1.6	21
28	New Catanionic Triblock Amphiphiles: Supramolecular Organization of a Sugar-Derived Bolaamphiphile Associated with Dicarboxylates. ChemPhysChem, 2005, 6, 2492-2494.	1.0	20
29	Microscopic and macroscopic anisotropy in supramolecular hydrogels of histidine-based surfactants. Tetrahedron Letters, 2009, 50, 6183-6186.	0.7	20
30	Stability analysis of tannin-based foams using multiple light-scattering measurements. European Polymer Journal, 2017, 87, 318-330.	2.6	20
31	Functional organicâ€“inorganic hybrid membranes. Chemical Engineering and Processing: Process Intensification, 2008, 47, 1044-1052.	1.8	19
32	Lipid-coated mesoporous silica microparticles for the controlled delivery of Î²-galactosidase into intestines. Journal of Materials Chemistry B, 2018, 6, 5633-5639.	2.9	17
33	Imprinting isolated single iron atoms onto mesoporous silica by templating with metallosurfactants. Journal of Colloid and Interface Science, 2020, 573, 193-203.	5.0	17
34	Differences between Î²-Ala and Gly-Gly in the design of amino acids-based hydrogels. Beilstein Journal of Organic Chemistry, 2010, 6, 973-977.	1.3	16
35	Metastable micelles and true liquid crystal behaviour of newly designed â€œcataniomericâ€•surfactants. Soft Matter, 2013, 9, 2760.	1.2	16
36	A meso-macro compartmentalized bioreactor obtained through silicalization of â€œgreenâ€•double emulsions: W/O/W and W/SLNs/W. Chemical Communications, 2014, 50, 11871-11874.	2.2	16

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37	Coreâ€“shell alginate@silica microparticles encapsulating probiotics. Journal of Materials Chemistry B, 2016, 4, 7929-7935.	2.9	16
38	Curcumin in silver nanoparticles aqueous solution: Kinetics of keto-enol tautomerism and effects on AgNPs. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125235.	2.3	16
39	Trans-to-cis photoisomerization of cyclocurcumin in different environments rationalized by computational photochemistry. Physical Chemistry Chemical Physics, 2020, 22, 4749-4757.	1.3	16
40	Enhanced tribological properties of wind turbine engine oil formulated with flower-shaped MoS2 nano-additives. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 620, 126509.	2.3	16
41	Tailored Jeffamine Molecular Tools for Ordering Mesoporous Silica. Langmuir, 2012, 28, 9816-9824.	1.6	15
42	A supramolecular hydrogel based on an original pseudopeptidic catanionic surfactant. New Journal of Chemistry, 2013, 37, 559-562.	1.4	15
43	Original behavior of L. rhamnosus GG encapsulated in freeze-dried alginateâ€“silica microparticles revealed under simulated gastrointestinal conditions. Journal of Materials Chemistry B, 2017, 5, 7839-7847.	2.9	14
44	Triggering Tautomerization of Curcumin by Confinement into Liposomes. ChemPhotoChem, 2019, 3, 1034-1041.	1.5	14
45	Switching from brittle to ductile isotactic polypropylene-g-maleic anhydride by crosslinking with capped-end polyether diamine. Polymer, 2019, 164, 67-78.	1.8	14
46	Highly uniform, strongly correlated fluorinated lipid nanodomains embedded in biological membrane models. Applied Physics Letters, 2008, 93, .	1.5	13
47	Effect of morphology and hydrophobization of MoS2 microparticles on the stability of poly-Î±-olefins lubricants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 572, 174-181.	2.3	13
48	transâ€“cis Photoisomerization of a biomimetic cyclocurcumin analogue rationalized by molecular modelling. Physical Chemistry Chemical Physics, 2021, 23, 12842-12849.	1.3	12
49	Synthesis and Photoswitching Properties of Bioinspired Dissymmetric Î³-Pyrone, an Analogue of Cyclocurcumin. Journal of Organic Chemistry, 2021, 86, 8112-8126.	1.7	12
50	Monolayers of Salen Derivatives as Catalytic Planes for Alkene Oxidation in Water. Chemistry - A European Journal, 2005, 11, 6032-6039.	1.7	11
51	Molecular Tailored Histidineâ€Based Complexing Surfactants: From Micelles to Hydrogels. European Journal of Organic Chemistry, 2009, 2009, 3953-3963.	1.2	11
52	Solid lipid nanoparticles (SLN) templating of macroporous silica beads. RSC Advances, 2011, 1, 1204.	1.7	11
53	Nano-emulsions as imprints for the design of hierarchical porous silica through a dual templating mechanism. Microporous and Mesoporous Materials, 2016, 221, 228-237.	2.2	11
54	Ab initio investigation of the adsorption of phenolic compounds, CO, and H<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e943" altimg="si45.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>O over metallic cluster/silica catalysts for hydrodeoxygenation process. Applied Surface Science, 2021, 567, 150790.	3.1	11

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55	Donâ€™t help them to bury the light. The interplay between intersystem crossing and hydrogen transfer in photoexcited curcumin revealed by surface-hopping dynamics. Physical Chemistry Chemical Physics, 2021, 23, 24757-24764.	1.3	11
56	Regulation of adhesion behavior of murine macrophage using supported lipid membranes displaying tunable mannose domains. Journal of Physics Condensed Matter, 2010, 22, 285102.	0.7	10
57	Solubilization of decane into gemini surfactant with a modified Jeffamine backbone: Design of hierarchical porous silica. Microporous and Mesoporous Materials, 2013, 169, 235-241.	2.2	10
58	Electrostatic vs. covalent bond in modified Jeffamine: effect on the phase behaviour and on the templating of mesoporous silica. Soft Matter, 2013, 9, 10832.	1.2	9
59	Resilience improvement of an isotactic polypropylene-g-maleic anhydride by crosslinking using polyether triamine agents. Polymer, 2019, 179, 121655.	1.8	9
60	A way to introducing a hydrophilic bioactive agent into model lipid membranes. The role of cetyl palmitate in the interaction of curcumin with 1,2-dioleoyl-sn-glycero-3-phosphatidylcholine monolayers. Journal of Molecular Liquids, 2020, 308, 113040.	2.3	9
61	Hydrogels obtained from an original catanionic system for efficient formulation of boron wood-preservatives. International Biodeterioration and Biodegradation, 2013, 77, 123-126.	1.9	7
62	Hybrid Hierarchical Porous Silica Templated in Nanoemulsions for Drug Release. European Journal of Inorganic Chemistry, 2016, 2016, 1989-1997.	1.0	7
63	Probing the confinement of Î²-galactosidase into meso-macro porous silica by Raman spectroscopy. Microporous and Mesoporous Materials, 2019, 278, 149-155.	2.2	7
64	Advances in Multifunctional Surface Coating Using Metalâ€Phenolic Networks. Bulletin of the Korean Chemical Society, 2017, 38, 519-520.	1.0	6
65	Amino-ethoxilated fluorinated amphiphile: Synthesis, self-assembling properties and interactions with ssDNA. Journal of Fluorine Chemistry, 2012, 135, 330-338.	0.9	5
66	Synthesis of Fluorinated Epoxides Opening the Way to New Hybrid Fluorocarbon-Hydrocarbon Surfactants. Synthetic Communications, 2003, 33, 4321-4329.	1.1	4
67	Hybrid supramolecular dynamic membranes as selective information transfer devices. Desalination, 2006, 199, 521-522.	4.0	3
68	Langmuir isotherm analysis of novel branched per-fluorinated surfactants and their interactions with single stranded DNA. Journal of Fluorine Chemistry, 2011, 132, 892-897.	0.9	3
69	Synthesis and self-assembling behavior of F-amphiphilic functionalized amines. Journal of Fluorine Chemistry, 2012, 134, 115-121.	0.9	3
70	Salting Effect in the Hydrothermal Carbonisation of Bioresources. ChemistrySelect, 2016, 1, 4161-4166.	0.7	3
71	Supported Membranes Meet Flat Fluidics: Monitoring Dynamic Cell Adhesion on Pump-Free Microfluidics Chips Functionalized with Supported Membranes Displaying Mannose Domains. Materials, 2013, 6, 669-681.	1.3	2
72	Solid Lipid Nanoparticle - Functional Template of Meso-Macrostructured Silica Materials. ACS Symposium Series, 2015, , 269-283.	0.5	1

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73	In situfollow-up of hybrid alginateâ€“silicate microbeads formation by linear rheology. Physical Chemistry Chemical Physics, 2018, 20, 11819-11825.	1.3	1
74	Stimuli-Responsive Nanostructured Silica Matrix Targeting Drug Delivery Applications. , 2015, , 3-38.		0