

Andreea Pasc

List of Publications by Year in descending order

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74
papers

2,039
citations

279487

23
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264894

42
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78
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78
docs citations

78
times ranked

3014
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>trans</i> -to- <i>cis</i> Photoisomerization of a biomimetic cyclocurcumin analogue rationalized by molecular modelling. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12842-12849.	1.3	12
2	Synthesis and Photoswitching Properties of Bioinspired Dissymmetric \hat{I}^3 -Pyrone, an Analogue of Cyclocurcumin. <i>Journal of Organic Chemistry</i> , 2021, 86, 8112-8126.	1.7	12
3	Enhanced tribological properties of wind turbine engine oil formulated with flower-shaped MoS ₂ nano-additives. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 620, 126509.	2.3	16
4	Ab initio investigation of the adsorption of phenolic compounds, CO, and H ₂ O over metallic cluster/silica catalysts for hydrodeoxygenation process. <i>Applied Surface Science</i> , 2021, 567, 150790.	3.1	11
5	Don't help them to bury the light. The interplay between intersystem crossing and hydrogen transfer in photoexcited curcumin revealed by surface-hopping dynamics. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 24757-24764.	1.3	11
6	Improved tribological properties, thermal and colloidal stability of poly- \hat{I}^{\pm} -olefins based lubricants with hydrophobic MoS ₂ submicron additives. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 91-101.	5.0	29
7	Curcumin in silver nanoparticles aqueous solution: Kinetics of keto-enol tautomerism and effects on AgNPs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125235.	2.3	16
8	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. <i>Journal of Molecular Liquids</i> , 2020, 308, 113040.	2.3	9
9	<i>Trans</i> -to- <i>cis</i> photoisomerization of cyclocurcumin in different environments rationalized by computational photochemistry. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4749-4757.	1.3	16
10	Imprinting isolated single iron atoms onto mesoporous silica by templating with metallosurfactants. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 193-203.	5.0	17
11	Resilience improvement of an isotactic polypropylene-g-maleic anhydride by crosslinking using polyether triamine agents. <i>Polymer</i> , 2019, 179, 121655.	1.8	9
12	Atomistic description of phenol, CO and H ₂ O adsorption over crystalline and amorphous silica surfaces for hydrodeoxygenation applications. <i>Applied Surface Science</i> , 2019, 494, 721-730.	3.1	23
13	Triggering Tautomerization of Curcumin by Confinement into Liposomes. <i>ChemPhotoChem</i> , 2019, 3, 1034-1041.	1.5	14
14	Effect of morphology and hydrophobization of MoS ₂ microparticles on the stability of poly- \hat{I}^{\pm} -olefins lubricants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 572, 174-181.	2.3	13
15	Floating hollow carbon spheres for improved solar evaporation. <i>Carbon</i> , 2019, 146, 232-247.	5.4	22
16	Probing the confinement of \hat{I}^2 -galactosidase into meso-macro porous silica by Raman spectroscopy. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 149-155.	2.2	7
17	Switching from brittle to ductile isotactic polypropylene-g-maleic anhydride by crosslinking with capped-end polyether diamine. <i>Polymer</i> , 2019, 164, 67-78.	1.8	14
18	Freeze-dried alginate-silica microparticles as carriers of probiotic bacteria in apple juice and beer. <i>LWT - Food Science and Technology</i> , 2018, 91, 175-179.	2.5	27

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19	In situ follow-up of hybrid alginate-silicate microbeads formation by linear rheology. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 11819-11825.	1.3	1
20	SPR screening of metal chelating peptides in a hydrolysate for their antioxidant properties. <i>Food Chemistry</i> , 2018, 239, 478-485.	4.2	36
21	Lipid-coated mesoporous silica microparticles for the controlled delivery of β -galactosidase into intestines. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5633-5639.	2.9	17
22	Advances in Multifunctional Surface Coating Using Metal-Phenolic Networks. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 519-520.	1.0	6
23	Silica-based systems for oral delivery of drugs, macromolecules and cells. <i>Advances in Colloid and Interface Science</i> , 2017, 249, 346-362.	7.0	114
24	Fully carbon metasurface: Absorbing coating in microwaves. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	26
25	Effect of Meso vs Macro Size of Hierarchical Porous Silica on the Adsorption and Activity of Immobilized β -Galactosidase. <i>Langmuir</i> , 2017, 33, 3333-3340.	1.6	26
26	Stability analysis of tannin-based foams using multiple light-scattering measurements. <i>European Polymer Journal</i> , 2017, 87, 318-330.	2.6	20
27	Original behavior of <i>L. rhamnosus</i> GG encapsulated in freeze-dried alginate-silica microparticles revealed under simulated gastrointestinal conditions. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7839-7847.	2.9	14
28	Hybrid Hierarchical Porous Silica Templated in Nanoemulsions for Drug Release. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1989-1997.	1.0	7
29	Hollow carbon spheres in microwaves: Bio inspired absorbing coating. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	43
30	Salting Effect in the Hydrothermal Carbonisation of Bioresources. <i>ChemistrySelect</i> , 2016, 1, 4161-4166.	0.7	3
31	Hollow carbon spheres, synthesis and applications - a review. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12686-12713.	5.2	266
32	Core-shell alginate@silica microparticles encapsulating probiotics. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7929-7935.	2.9	16
33	Nano-emulsions as imprints for the design of hierarchical porous silica through a dual templating mechanism. <i>Microporous and Mesoporous Materials</i> , 2016, 221, 228-237.	2.2	11
34	Spin State As a Probe of Vesicle Self-Assembly. <i>Journal of the American Chemical Society</i> , 2016, 138, 2552-2555.	6.6	24
35	Easy and eco-friendly synthesis of ordered mesoporous carbons by self-assembly of tannin with a block copolymer. <i>Green Chemistry</i> , 2016, 18, 3265-3271.	4.6	58
36	Core-shell microcapsules of solid lipid nanoparticles and mesoporous silica for enhanced oral delivery of curcumin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 161-168.	2.5	63

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37	Encapsulation of probiotics: insights into academic and industrial approaches. <i>AIMS Materials Science</i> , 2016, 3, 114-136.	0.7	62
38	Metallo-Solid Lipid Nanoparticles as Colloidal Tools for Meso-“Macroporous Supported Catalysts. <i>Langmuir</i> , 2015, 31, 1842-1849.	1.6	21
39	pH- and glutathione-responsive release of curcumin from mesoporous silica nanoparticles coated using tannic acid-“Fe(III) complex. <i>RSC Advances</i> , 2015, 5, 90550-90558.	1.7	71
40	Solid Lipid Nanoparticle - Functional Template of Meso-Macrostructured Silica Materials. <i>ACS Symposium Series</i> , 2015, , 269-283.	0.5	1
41	Stimuli-Responsive Nanostructured Silica Matrix Targeting Drug Delivery Applications. , 2015, , 3-38.		0
42	A meso-macro compartmentalized bioreactor obtained through silicalization of “green“ double emulsions: W/O/W and W/SLNs/W. <i>Chemical Communications</i> , 2014, 50, 11871-11874.	2.2	16
43	pH-controlled delivery of curcumin from a compartmentalized solid lipid nanoparticle@mesostructured silica matrix. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7910-7917.	2.9	56
44	Solubilization of decane into gemini surfactant with a modified Jeffamine backbone: Design of hierarchical porous silica. <i>Microporous and Mesoporous Materials</i> , 2013, 169, 235-241.	2.2	10
45	Ordered mesoporous materials containing <i>Mucor Miehei</i> Lipase as biocatalyst for transesterification reaction. <i>Process Biochemistry</i> , 2013, 48, 831-837.	1.8	21
46	Electrostatic vs. covalent bond in modified Jeffamine: effect on the phase behaviour and on the templating of mesoporous silica. <i>Soft Matter</i> , 2013, 9, 10832.	1.2	9
47	Metastable micelles and true liquid crystal behaviour of newly designed “cataniomeric“ surfactants. <i>Soft Matter</i> , 2013, 9, 2760.	1.2	16
48	Hydrogels obtained from an original cationic system for efficient formulation of boron wood-preserved. <i>International Biodeterioration and Biodegradation</i> , 2013, 77, 123-126.	1.9	7
49	Isocyanate-mediated covalent immobilization of <i>Mucor miehei</i> lipase onto SBA-15 for transesterification reaction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 139-145.	2.5	28
50	A supramolecular hydrogel based on an original pseudopeptidic cationic surfactant. <i>New Journal of Chemistry</i> , 2013, 37, 559-562.	1.4	15
51	Nanoparticle-free magnetic mesoporous silica with magneto-responsive surfactants. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6930.	2.7	24
52	Supported Membranes Meet Flat Fluidics: Monitoring Dynamic Cell Adhesion on Pump-Free Microfluidics Chips Functionalized with Supported Membranes Displaying Mannose Domains. <i>Materials</i> , 2013, 6, 669-681.	1.3	2
53	Tailored Jeffamine Molecular Tools for Ordering Mesoporous Silica. <i>Langmuir</i> , 2012, 28, 9816-9824.	1.6	15
54	Tuning the morphology and the structure of hierarchical meso-“macroporous silica by dual templating with micelles and solid lipid nanoparticles (SLN). <i>Journal of Materials Chemistry</i> , 2012, 22, 21540.	6.7	30

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55	Synthesis and self-assembling behavior of F-amphiphilic functionalized amines. <i>Journal of Fluorine Chemistry</i> , 2012, 134, 115-121.	0.9	3
56	Amino-ethoxilated fluorinated amphiphile: Synthesis, self-assembling properties and interactions with ssDNA. <i>Journal of Fluorine Chemistry</i> , 2012, 135, 330-338.	0.9	5
57	Solid lipid nanoparticles (SLN) templating of macroporous silica beads. <i>RSC Advances</i> , 2011, 1, 1204.	1.7	11
58	Langmuir isotherm analysis of novel branched per-fluorinated surfactants and their interactions with single stranded DNA. <i>Journal of Fluorine Chemistry</i> , 2011, 132, 892-897.	0.9	3
59	Differences between Î²-Ala and Gly-Gly in the design of amino acids-based hydrogels. <i>Beilstein Journal of Organic Chemistry</i> , 2010, 6, 973-977.	1.3	16
60	Regulation of adhesion behavior of murine macrophage using supported lipid membranes displaying tunable mannose domains. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 285102.	0.7	10
61	Dynamic hybrid materials for constitutional self-instructed membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8117-8122.	3.3	95
62	Molecular Tailored Histidine-Based Complexing Surfactants: From Micelles to Hydrogels. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3953-3963.	1.2	11
63	Microscopic and macroscopic anisotropy in supramolecular hydrogels of histidine-based surfactants. <i>Tetrahedron Letters</i> , 2009, 50, 6183-6186.	0.7	20
64	Ion-Conduction Pathways in Self-Organised Ureidoarene-Heteropolysiloxane Hybrid Membranes. <i>Chemistry - A European Journal</i> , 2008, 14, 1776-1783.	1.7	46
65	Functional organic-inorganic hybrid membranes. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 1044-1052.	1.8	19
66	Highly uniform, strongly correlated fluorinated lipid nanodomains embedded in biological membrane models. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	13
67	Constitutional Self-Organization of Adenine-Uracil-Derived Hybrid Materials. <i>Chemistry - A European Journal</i> , 2007, 13, 6792-6800.	1.7	57
68	Amplification and Transcription of the Dynamic Supramolecular Chirality of the Guanine Quadruplex. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4268-4272.	7.2	94
69	Functional G-Quartet Macroscopic Membrane Films. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8409-8413.	7.2	111
70	Hybrid supramolecular dynamic membranes as selective information transfer devices. <i>Desalination</i> , 2006, 199, 521-522.	4.0	3
71	Spontaneous vesicles of single-chain sugar-based fluorocarbon surfactants. <i>Journal of Fluorine Chemistry</i> , 2005, 126, 33-38.	0.9	25
72	New Catanionic Triblock Amphiphiles: Supramolecular Organization of a Sugar-Derived Bolaamphiphile Associated with Dicarboxylates. <i>ChemPhysChem</i> , 2005, 6, 2492-2494.	1.0	20

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73	Monolayers of Salen Derivatives as Catalytic Planes for Alkene Oxidation in Water. Chemistry - A European Journal, 2005, 11, 6032-6039.	1.7	11
74	Synthesis of Fluorinated Epoxides Opening the Way to New Hybrid Fluorocarbon-Hydrocarbon Surfactants. Synthetic Communications, 2003, 33, 4321-4329.	1.1	4