

Clarence Charnay

List of Publications by Year in descending order

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76
papers

2,732
citations

185998

28
h-index

182168

51
g-index

79
all docs

79
docs citations

79
times ranked

4201
citing authors

#	ARTICLE	IF	CITATIONS
1	Inclusion of ibuprofen in mesoporous templated silica: drug loading and release property. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 57, 533-540.	2.0	459
2	Recent developments in nanostructured inorganic materials for sorption of cesium and strontium: Synthesis and shaping, sorption capacity, mechanisms, and selectivity—A review. <i>Journal of Hazardous Materials</i> , 2018, 344, 511-530.	6.5	205
3	Reduced Symmetry Metallo-dielectric Nanoparticles: A Chemical Synthesis and Plasmonic Properties. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7327-7333.	1.2	167
4	Two-Photon-Triggered Drug Delivery in Cancer Cells Using Nanoimpellers. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13813-13817.	7.2	94
5	The Potential of Ordered Mesoporous Silica for the Storage of Drugs: The Example of a Pentapeptide Encapsulated in a MSU-Tween 80. <i>ChemPhysChem</i> , 2003, 4, 281-286.	1.0	88
6	Silicalites and Mesoporous Silica Nanoparticles for photodynamic therapy. <i>International Journal of Pharmaceutics</i> , 2010, 402, 221-230.	2.6	88
7	One-Pot Construction of Multipodal Hybrid Periodic Mesoporous Organosilica Nanoparticles with Crystal-Like Architectures. <i>Advanced Materials</i> , 2015, 27, 145-149.	11.1	81
8	From enabling technologies to medicinal mechanochemistry: an eco-friendly access to hydantoin-based active pharmaceutical ingredients. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1179-1188.	1.9	81
9	Mechanochemistry for α -oeno solvent, no base-preparation of hydantoin-based active pharmaceutical ingredients: nitrofurantoin and dantrolene. <i>Green Chemistry</i> , 2018, 20, 2973-2977.	4.6	78
10	Surface Heterogeneity of Passively Oxidized Silicon Carbide Particles: Hydrophobic-Hydrophilic Partition. <i>Journal of Colloid and Interface Science</i> , 2000, 223, 205-214.	5.0	56
11	The timeline of corona formation around silica nanocarriers highlights the role of the protein interactome. <i>Nanoscale</i> , 2017, 9, 1840-1851.	2.8	56
12	Poly(ethylene glycol)-Based Ionic Liquids: Properties and Uses as Alternative Solvents in Organic Synthesis and Catalysis. <i>ChemSusChem</i> , 2014, 7, 45-65.	3.6	55
13	Measurement of Uptake and Release Capacities of Mesoporous Silica Nanoparticles Enabled by Nanovalve Gates. <i>Journal of Physical Chemistry C</i> , 2011, 115, 19496-19506.	1.5	54
14	Silver nanoparticle-containing submicron-in-size mesoporous silica-based systems for iodine entrapment and immobilization from gas phase. <i>Microporous and Mesoporous Materials</i> , 2014, 196, 305-313.	2.2	52
15	Poros Porphyrin-Based Organosilica Nanoparticles for NIR Two-Photon Photodynamic Therapy and Gene Delivery in Zebrafish. <i>Advanced Functional Materials</i> , 2018, 28, 1800235.	7.8	50
16	Functionalized Mesoporous Silica Nanoparticle with Antioxidants as a New Carrier That Generates Lower Oxidative Stress Impact on Cells. <i>Molecular Pharmaceutics</i> , 2016, 13, 2647-2660.	2.3	44
17	Versatile heavy metals removal via magnetic mesoporous nanocontainers. <i>RSC Advances</i> , 2014, 4, 24838-24841.	1.7	38
18	Interactions of phenol with cationic micelles of hexadecyltrimethylammonium bromide studied by titration calorimetry, conductimetry, and ¹ H NMR in the range of low additive and surfactant concentrations. <i>Journal of Colloid and Interface Science</i> , 2008, 326, 227-234.	5.0	37

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19	Nonionic polyoxazoline surfactants based on renewable source: Synthesis, surface and bulk properties. <i>Reactive and Functional Polymers</i> , 2009, 69, 643-649.	2.0	37
20	Assessment of the Surface Heterogeneity of Talc Materials. <i>Journal of Colloid and Interface Science</i> , 2001, 233, 250-258.	5.0	36
21	The species origin of the serum in the culture medium influences the in vitro toxicity of silica nanoparticles to HepG2 cells. <i>PLoS ONE</i> , 2017, 12, e0182906.	1.1	35
22	Aqueous behaviour of cationic surfactants containing a cleavable group. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 315-320.	5.0	34
23	Porphyrin- or phthalocyanine-bridged silsesquioxane nanoparticles for two-photon photodynamic therapy or photoacoustic imaging. <i>Nanoscale</i> , 2017, 9, 16622-16626.	2.8	33
24	Nanodiamonds for bioapplications, recent developments. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10878-10896.	2.9	33
25	Synthesis of mesoporous silica nanoparticles and nanorods: Application to doxorubicin delivery. <i>Solid State Sciences</i> , 2017, 68, 25-31.	1.5	32
26	Experimental separation steps influence the protein content of corona around mesoporous silica nanoparticles. <i>Nanoscale</i> , 2017, 9, 5769-5772.	2.8	32
27	Regeneration of spent bleaching earth by treatment with cethyltrimethylammonium bromide for application in elimination of acid dye. <i>Chemical Engineering Journal</i> , 2011, 174, 275-280.	6.6	31
28	Improved gene transfer with histidine-functionalized mesoporous silica nanoparticles. <i>International Journal of Pharmaceutics</i> , 2014, 471, 197-205.	2.6	31
29	Contribution of ¹ H NMR to the investigation of the adsorption of cationic Gemini surfactants with oligooxyethylene spacer group onto silica. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 281-287.	5.0	29
30	Copper-containing monodisperse mesoporous silica nanospheres by a smart one-step approach. <i>Chemical Communications</i> , 2008, , 3118.	2.2	28
31	Synthesis, decoration, and cellular effects of magnetic mesoporous silica nanoparticles. <i>RSC Advances</i> , 2016, 6, 57275-57283.	1.7	28
32	Microcalorimetric studies of cationic gemini surfactant with a hydrophilic spacer group. <i>Thermochimica Acta</i> , 2005, 434, 165-170.	1.2	24
33	Large Pore Mesoporous Silica and Organosilica Nanoparticles for Pepstatin A Delivery in Breast Cancer Cells. <i>Molecules</i> , 2019, 24, 332.	1.7	24
34	Biocompatibility assessment of functionalized magnetic mesoporous silica nanoparticles in human HepaRG cells. <i>Nanotoxicology</i> , 2017, 11, 871-890.	1.6	23
35	Biological Fate of Fe ₃ O ₄ Core-Shell Mesoporous Silica Nanoparticles Depending on Particle Surface Chemistry. <i>Nanomaterials</i> , 2017, 7, 162.	1.9	23
36	Synthesis of a new hydrophilic poly(ethylene glycol)-ionic liquid and its application in peptide synthesis. <i>Chemical Communications</i> , 2010, 46, 8842.	2.2	22

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37	Ring-closing Metathesis in Aqueous Micellar Medium. <i>Chemistry - A European Journal</i> , 2012, 18, 760-764.	1.7	20
38	Influence of the synthetic method on the properties of two-photon-sensitive mesoporous silica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5182-5188.	2.9	20
39	Biocompatible Periodic Mesoporous Ionosilica Nanoparticles with Ammonium Walls: Application to Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32018-32025.	4.0	20
40	Competitive Solubilization of Phenol by Cationic Surfactant Micelles in the Range of Low Additive and Surfactant Concentrations. <i>Langmuir</i> , 2009, 25, 4868-4874.	1.6	19
41	One Step Synthesis of Gold-loaded Radial Mesoporous Silica Nanospheres and Supported Lipid Bilayer Functionalization: Towards Bio-multifunctional Sensors. <i>Small</i> , 2012, 8, 3674-3682.	5.2	19
42	Micelles into Glycerol Solvent: Overcoming Side Reactions of Glycerol. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1353-1358.	3.2	19
43	Phthalocyanine-based mesoporous organosilica nanoparticles: NIR photodynamic efficiency and siRNA photochemical internalization. <i>Chemical Communications</i> , 2019, 55, 11619-11622.	2.2	19
44	Copper-Containing Rod-Shaped Nanosized Silica Particles for Microwave-Assisted Synthesis of Triazoles in Aqueous Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2516-2525.	3.2	18
45	Biosafety of Mesoporous Silica Nanoparticles. <i>Biomimetics</i> , 2018, 3, 22.	1.5	16
46	Microwave-ultrasound simultaneous irradiation: a hybrid technology applied to ring closing metathesis. <i>RSC Advances</i> , 2015, 5, 16878-16885.	1.7	15
47	From Molecules to Silicon-Based Biohybrid Materials by Ball Milling. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 511-518.	3.2	15
48	Aluminium-derivatized silica monodisperse nanospheres by a one-step synthesis-functionalization method and application as acid catalysts in liquid phase. <i>Journal of Materials Chemistry</i> , 2012, 22, 1459-1468.	6.7	12
49	Conductivity and dielectric relaxation in crosslinked PVA by oxalic and citric acids. <i>Polymer Science - Series A</i> , 2015, 57, 321-329.	0.4	12
50	Organosilica Nanoparticles for Gemcitabine Monophosphate Delivery in Cancer Cells. <i>ChemNanoMat</i> , 2019, 5, 888-896.	1.5	12
51	Engineered Au Core@Prussian Blue Analogous Shell Nanoheterostructures: Their Magnetic and Optical Properties. <i>Chemistry - A European Journal</i> , 2017, 23, 7483-7496.	1.7	10
52	The mannose 6-phosphate receptor targeted with porphyrin-based periodic mesoporous organosilica nanoparticles for rhabdomyosarcoma theranostics. <i>Biomaterials Science</i> , 2020, 8, 3678-3684.	2.6	10
53	Periodic Mesoporous Organosilica Nanoparticles with BOC Group, towards HIFU Responsive Agents. <i>Molecules</i> , 2020, 25, 974.	1.7	10
54	Synthesis of novel multi-cationic PEG-based ionic liquids. <i>New Journal of Chemistry</i> , 2014, 38, 6133-6138.	1.4	9

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55	Microwave-assisted hydrothermal synthesis of manganate nanoflowers for selective retention of strontium. <i>Journal of Hazardous Materials</i> , 2019, 368, 661-669.	6.5	9
56	Role of surfactant type on morphological, textural, optical, and photocatalytic properties of ZnO nanoparticles obtained by modified sol-gel. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 100, 271-285.	1.1	9
57	Hydrophilization by coating of silylated polyoxazoline using sol-gel process. <i>Progress in Organic Coatings</i> , 2013, 76, 519-524.	1.9	8
58	Degradable gold core-mesoporous organosilica shell nanoparticles for two-photon imaging and gemcitabine monophosphate delivery. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 380-383.	1.7	8
59	Synthesis of Cyclen-Functionalized Ethenylene-Based Periodic Mesoporous Organosilica Nanoparticles and Metal Ion Adsorption Studies. <i>ChemNanoMat</i> , 2020, 6, 1625-1634.	1.5	7
60	Rod-shaped silica particles derivatized with elongated silver nanoparticles immobilized within mesopores. <i>Journal of Solid State Chemistry</i> , 2016, 243, 207-214.	1.4	6
61	Zirconium-Based Metal Organic Frameworks for the Capture of Carbon Dioxide and Ethanol Vapour. A Comparative Study. <i>Molecules</i> , 2021, 26, 7620.	1.7	6
62	Competitive interactions between components in surfactant-cosurfactant-additive systems. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 402-409.	5.0	5
63	Preparation and Characterization of Novel Mixed Periodic Mesoporous Organosilica Nanoparticles. <i>Materials</i> , 2020, 13, 1569.	1.3	5
64	Synthesis of triethoxysilylated cyclen derivatives, grafting on magnetic mesoporous silica nanoparticles and application to metal ion adsorption. <i>RSC Advances</i> , 2021, 11, 10777-10784.	1.7	5
65	Periodic Mesoporous Organosilica Nanoparticles for CO ₂ Adsorption at Standard Temperature and Pressure. <i>Molecules</i> , 2022, 27, 4245.	1.7	4
66	Polymer Adsorption Effects on Structure and Rheological Properties of Concentrated Suspensions of Talc Particles. <i>Journal of Dispersion Science and Technology</i> , 2003, 24, 273-288.	1.3	3
67	Calorimetric investigation of the adsorption of cationic dimeric surfactants with a hydrophilic spacer group onto silica. <i>Thermochimica Acta</i> , 2005, 434, 171-176.	1.2	3
68	In vitro lipid peroxidation of intestinal bile salt-based nanoemulsions: Potential role of antioxidants. <i>Free Radical Research</i> , 2013, 47, 1076-1087.	1.5	3
69	Degradable Hollow Organosilica Nanoparticles for Antibacterial Activity. <i>ACS Omega</i> , 2019, 4, 1479-1486.	1.6	3
70	Encapsulation of Upconversion Nanoparticles in Periodic Mesoporous Organosilicas. <i>Molecules</i> , 2019, 24, 4054.	1.7	3
71	Influence of the Templating Amine on the Nanostructure and Charge of Layered Vanadates for Radioactive Wastewater Treatment. <i>ACS Applied Nano Materials</i> , 2019, 2, 497-504.	2.4	3
72	Preparation and characterization of gold nanoparticles and nanowires loaded into rod-shaped silica by a one-step procedure. <i>Solid State Sciences</i> , 2017, 63, 23-29.	1.5	2

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73	Hollow Organosilica Nanoparticles for Drug Delivery. ChemistrySelect, 2018, 3, 10439-10442.	0.7	2
74	Accordion-shaped 10B nanostructures by sonication-assisted direct oxidation pathway for neutron sensors. New Journal of Chemistry, 2017, 41, 1765-1772.	1.4	1
75	From solution-based nonconventional activation methods to mechanochemical procedures: The hydantoin case. , 2021, , 421-452.		0
76	Influence of the Nanotube Morphology and Intercalated Species on the Sorption Properties of Hybrid Layered Vanadium Oxides: Application for Cesium Removal from Aqueous Streams. Nanomaterials, 2021, 11, 2349.	1.9	0