

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
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79
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79
docs citations

79
times ranked

4201
citing authors

#	ARTICLE	IF	CITATIONS
1	Periodic Mesoporous Organosilica Nanoparticles for CO ₂ Adsorption at Standard Temperature and Pressure. <i>Molecules</i> , 2022, 27, 4245.	1.7	4
2	From solution-based nonconventional activation methods to mechanochemical procedures: The hydantoin case. , 2021, , 421-452.		0
3	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
4	Influence of the Nanotube Morphology and Intercalated Species on the Sorption Properties of Hybrid Layered Vanadium Oxides: Application for Cesium Removal from Aqueous Streams. <i>Nanomaterials</i> , 2021, 11, 2349.	1.9	0
5	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
6	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
7	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
8	Nanodiamonds for bioapplications, recent developments. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10878-10896.	2.9	33
9	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
10	Periodic Mesoporous Organosilica Nanoparticles with BOC Group, towards HIFU Responsive Agents. <i>Molecules</i> , 2020, 25, 974.	1.7	10
11	Preparation and Characterization of Novel Mixed Periodic Mesoporous Organosilica Nanoparticles. <i>Materials</i> , 2020, 13, 1569.	1.3	5
12	Phthalocyanine-based mesoporous organosilica nanoparticles: NIR photodynamic efficiency and siRNA photochemical internalization. <i>Chemical Communications</i> , 2019, 55, 11619-11622.	2.2	19
13	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
14	Large Pore Mesoporous Silica and Organosilica Nanoparticles for Pepstatin A Delivery in Breast Cancer Cells. <i>Molecules</i> , 2019, 24, 332.	1.7	24
15	Degradable Hollow Organosilica Nanoparticles for Antibacterial Activity. <i>ACS Omega</i> , 2019, 4, 1479-1486.	1.6	3
16	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
17	Organosilica Nanoparticles for Gemcitabine Monophosphate Delivery in Cancer Cells. <i>ChemNanoMat</i> , 2019, 5, 888-896.	1.5	12
18	Encapsulation of Upconversion Nanoparticles in Periodic Mesoporous Organosilicas. <i>Molecules</i> , 2019, 24, 4054.	1.7	3

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19	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
20	Porous 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
21	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
22	From Molecules to Silicon-Based Biohybrid Materials by Ball Milling. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 511-518.	3.2	15
23	Biosafety of Mesoporous Silica Nanoparticles. <i>Biomimetics</i> , 2018, 3, 22.	1.5	16
24	Hollow Organosilica Nanoparticles for Drug Delivery. <i>ChemistrySelect</i> , 2018, 3, 10439-10442.	0.7	2
25	Mechanochemistry for α -ceno solvent, no base-preparation of hydantoin-based active pharmaceutical ingredients: nitrofurantoin and dantrolene. <i>Green Chemistry</i> , 2018, 20, 2973-2977.	4.6	78
26	Accordion-shaped 10B nanostructures by sonication-assisted direct oxidation pathway for neutron sensors. <i>New Journal of Chemistry</i> , 2017, 41, 1765-1772.	1.4	1
27	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
28	Synthesis of mesoporous silica nanoparticles and nanorods: Application to doxorubicin delivery. <i>Solid State Sciences</i> , 2017, 68, 25-31.	1.5	32
29	Experimental separation steps influence the protein content of corona around mesoporous silica nanoparticles. <i>Nanoscale</i> , 2017, 9, 5769-5772.	2.8	32
30	Porphyrin- or phthalocyanine-bridged silsesquioxane nanoparticles for two-photon photodynamic therapy or photoacoustic imaging. <i>Nanoscale</i> , 2017, 9, 16622-16626.	2.8	33
31	Biocompatibility assessment of functionalized magnetic mesoporous silica nanoparticles in human HepaRG cells. <i>Nanotoxicology</i> , 2017, 11, 871-890.	1.6	23
32	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
33	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
34	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
35	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
36	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

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37	The species origin of the serum in the culture medium influences the in vitro toxicity of silica nanoparticles to HepG2 cells. PLoS ONE, 2017, 12, e0182906.	1.1	35
38	Functionalized Mesoporous Silica Nanoparticle with Antioxidants as a New Carrier That Generates Lower Oxidative Stress Impact on Cells. Molecular Pharmaceutics, 2016, 13, 2647-2660.	2.3	44
39	Rod-shaped silica particles derivatized with elongated silver nanoparticles immobilized within mesopores. Journal of Solid State Chemistry, 2016, 243, 207-214.	1.4	6
40	Synthesis, decoration, and cellular effects of magnetic mesoporous silica nanoparticles. RSC Advances, 2016, 6, 57275-57283.	1.7	28
41	One-Pot Construction of Multipodal Hybrid Periodic Mesoporous Organosilica Nanoparticles with Crystal-Like Architectures. Advanced Materials, 2015, 27, 145-149.	11.1	81
42	Microwave-ultrasound simultaneous irradiation: a hybrid technology applied to ring closing metathesis. RSC Advances, 2015, 5, 16878-16885.	1.7	15
43	Conductivity and dielectric relaxation in crosslinked PVA by oxalic and citric acids. Polymer Science - Series A, 2015, 57, 321-329.	0.4	12
44	Influence of the synthetic method on the properties of two-photon-sensitive mesoporous silica nanoparticles. Journal of Materials Chemistry B, 2015, 3, 5182-5188.	2.9	20
45	Copper-Containing Rod-Shaped Nanosized Silica Particles for Microwave-Assisted Synthesis of Triazoles in Aqueous Solution. ACS Sustainable Chemistry and Engineering, 2015, 3, 2516-2525.	3.2	18
46	Poly(ethylene glycol)-Based Ionic Liquids: Properties and Uses as Alternative Solvents in Organic Synthesis and Catalysis. ChemSusChem, 2014, 7, 45-65.	3.6	55
47	Micelles into Glycerol Solvent: Overcoming Side Reactions of Glycerol. ACS Sustainable Chemistry and Engineering, 2014, 2, 1353-1358.	3.2	19
48	Synthesis of novel multi-cationic PEG-based ionic liquids. New Journal of Chemistry, 2014, 38, 6133-6138.	1.4	9
49	Versatile heavy metals removal via magnetic mesoporous nanocontainers. RSC Advances, 2014, 4, 24838-24841.	1.7	38
50	Silver nanoparticle-containing submicron-in-size mesoporous silica-based systems for iodine entrapment and immobilization from gas phase. Microporous and Mesoporous Materials, 2014, 196, 305-313.	2.2	52
51	Improved gene transfer with histidine-functionalized mesoporous silica nanoparticles. International Journal of Pharmaceutics, 2014, 471, 197-205.	2.6	31
52	Two-Photon-Triggered Drug Delivery in Cancer Cells Using Nanoimpellers. Angewandte Chemie - International Edition, 2013, 52, 13813-13817.	7.2	94
53	In vitro lipid peroxidation of intestinal bile salt-based nanoemulsions: Potential role of antioxidants. Free Radical Research, 2013, 47, 1076-1087.	1.5	3
54	Hydrophilization by coating of silylated polyoxazoline using sol-gel process. Progress in Organic Coatings, 2013, 76, 519-524.	1.9	8

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55	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
56	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
57	Ring-Closing Metathesis in Aqueous Micellar Medium. <i>Chemistry - A European Journal</i> , 2012, 18, 760-764.	1.7	20
58	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
59	Regeneration of spent bleaching earth by treatment with cetyltrimethylammonium bromide for application in elimination of acid dye. <i>Chemical Engineering Journal</i> , 2011, 174, 275-280.	6.6	31
60	Silicalites and Mesoporous Silica Nanoparticles for photodynamic therapy. <i>International Journal of Pharmaceutics</i> , 2010, 402, 221-230.	2.6	88
61	Competitive interactions between components in surfactant-cosurfactant-additive systems. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 402-409.	5.0	5
62	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
63	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
64	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
65	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
66	Aqueous behaviour of cationic surfactants containing a cleavable group. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 315-320.	5.0	34
67	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
68	Copper-containing monodisperse mesoporous silica nanospheres by a smart one-step approach. <i>Chemical Communications</i> , 2008, , 3118.	2.2	28
69	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
70	Microcalorimetric studies of cationic gemini surfactant with a hydrophilic spacer group. <i>Thermochimica Acta</i> , 2005, 434, 165-170.	1.2	24
71	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
72	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

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73	Reduced Symmetry Metallodielectric Nanoparticles:Â Chemical Synthesis and Plasmonic Propertiesâ€. Journal of Physical Chemistry B, 2003, 107, 7327-7333.	1.2	167
74	Polymer Adsorption Effects on Structure and Rheological Properties of Concentrated Suspensions of Talc Particles. Journal of Dispersion Science and Technology, 2003, 24, 273-288.	1.3	3
75	Assessment of the Surface Heterogeneity of Talc Materials. Journal of Colloid and Interface Science, 2001, 233, 250-258.	5.0	36
76	Surface Heterogeneity of Passively Oxidized Silicon Carbide Particles: Hydrophobicâ€Hydrophilic Partition. Journal of Colloid and Interface Science, 2000, 223, 205-214.	5.0	56