Jessica Marianne Rosenholm

List of Publications by Year
in descending order

180	8,907	53794 45	48315 88
papers	citations	h-index	g-index

185	185	185	11381
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of solubilizing potential of functional poly(jasmine lactone) micelles for hydrophobic drugs: A comparison with commercially available polymers. International Journal of Polymeric Materials and Polymeric Biomaterials, 2023, 72, 1272-1280.	3.4	5
2	Molecular Dynamics Prediction Verified by Experimental Evaluation of the Solubility of Different Drugs in Poly(decalactone) for the Fabrication of Polymeric Nanoemulsions. Advanced NanoBiomed Research, 2022, 2, 2100072.	3.6	9
3	Combination of photothermal, prodrug and tumor cell camouflage technologies for triple-negative breast cancer treatment. Materials Today Advances, 2022, 13, 100199.	5.2	12
4	Digital light processing (DLP) 3D-fabricated antimicrobial hydrogel with a sustainable resin of methacrylated woody polysaccharides and hybrid silver-lignin nanospheres. Green Chemistry, 2022, 24, 2129-2145.	9.0	27
5	Interactions between polymeric nanoparticles and different buffers as investigated by zeta potential measurements and molecular dynamics simulations. View, 2022, 3, .	5.3	14
6	Microfluidic-Assisted Fabrication of Dual-Coated pH-Sensitive Mesoporous Silica Nanoparticles for Protein Delivery. Biosensors, 2022, 12, 181.	4.7	12
7	Significance of Polymers with â€œAllylâ€•Functionality in Biomedicine: An Emerging Class of Functional Polymers. Pharmaceutics, 2022, 14, 798.	4.5	5
8	A Comprehensive Review of Patented Technologies to Fabricate Orodispersible Films: Proof of Patent Analysis (2000â€“2020). Pharmaceutics, 2022, 14, 820.	4.5	7
9	Ca²⁺ enhanced photosensitizer/DNase I nanocomposite mediated bacterial eradication through biofilm disruption and photothermal therapy. Nano Select, 2022, 3, 1201-1211.	3.7	7
10	Fundamental Aspects of Lipid-Based Excipients in Lipid-Based Product Development. Pharmaceutics, 2022, 14, 831.	4.5	22
11	Efficient nanozyme engineering for antibacterial therapy. Materials Futures, 2022, 1, 023502.	8.4	12
12	Self-assembly of DNA nanogels with endogenous microRNA toehold self-regulating switches for targeted gene regulation therapy. Biomaterials Science, 2022, 10, 4119-4125.	5.4	12
13	Macrophage/Osteoclast Specific Mesoporous Silica Nanoparticles as a Drug Vehicle in Treating Inflammatory Osteolysis. Bone Reports, 2022, 16, 101517.	0.4	0
14	Selfâ€Synthesizing Nanorods from Dynamic Combinatorial Libraries against Drug Resistant Cancer. Angewandte Chemie, 2021, 133, 3099-3107.	2.0	6
15	Effective Delivery of the CRISPR/Cas9 System Enabled by Functionalized Mesoporous Silica Nanoparticles for GFPâ€Tagged Paxillin Knockâ€In. Advanced Therapeutics, 2021, 4, 2000072.	3.2	20
16	Selfâ€Synthesizing Nanorods from Dynamic Combinatorial Libraries against Drug Resistant Cancer. Angewandte Chemie - International Edition, 2021, 60, 3062-3070.	13.8	18
17	Improving the knock-in efficiency of the MOF-encapsulated CRISPR/Cas9 system through controllable embedding structures. Nanoscale, 2021, 13, 16525-16532.	5.6	16
18	Fabrication and Characterization of Diclofenac Sodium Loaded Hydrogels of Sodium Alginate as Sustained Release Carrier. Gels, 2021, 7, 10.	4.5	45

#	Article	IF	Citations
19	Mesoporous silica coated CeO2 nanozymes with combined lipid-lowering and antioxidant activity induce long-term improvement of the metabolic profile in obese Zucker rats. Nanoscale, 2021, 13, 8452-8466.	5.6	12
20	Carbon-Based Nanomaterials for Delivery of Biologicals and Therapeutics: A Cutting-Edge Technology. Journal of Carbon Research, 2021, 7, 19.	2.7	26
21	Polymer-Drug Conjugates as Nanotheranostic Agents. Journal of Nanotheranostics, 2021, 2, 63-81.	3.1	20
22	Circumventing Drug Treatment? Intrinsic Lethal Effects of Polyethyleneimine (PEI)-Functionalized Nanoparticles on Glioblastoma Cells Cultured in Stem Cell Conditions. Cancers, 2021, 13, 2631.	3.7	9
23	Peritumoral Microgel Reservoir for Longâ€Term Lightâ€Controlled Tripleâ€Synergistic Treatment of Osteosarcoma with Single Ultraâ€Low Dose. Small, 2021, 17, e2100479.	10.0	38
24	Stromal interaction molecule 1 (STIM1) knock down attenuates invasion and proliferation and enhances the expression of thyroid-specific proteins in human follicular thyroid cancer cells. Cellular and Molecular Life Sciences, 2021, 78, 5827-5846.	5.4	10
25	Synthesis and Evaluation of Novel Functional Polymers Derived from Renewable Jasmine Lactone for Stimuliâ€Responsive Drug Delivery. Advanced Functional Materials, 2021, 31, 2101998.	14.9	18
26	3D Modeling of Epithelial Tumorsâ€"The Synergy between Materials Engineering, 3D Bioprinting, High-Content Imaging, and Nanotechnology. International Journal of Molecular Sciences, 2021, 22, 6225.	4.1	13
27	Scalable synthesis of multicomponent multifunctional inorganic core@mesoporous silica shell nanocomposites. Materials Science and Engineering C, 2021, 128, 112272.	7.3	9
28	Recent Advances in the Use of Mesoporous Silica Nanoparticles for the Diagnosis of Bacterial Infections. International Journal of Nanomedicine, 2021, Volume 16, 6575-6591.	6.7	19
29	Orodispersible films: Conception to quality by design. Advanced Drug Delivery Reviews, 2021, 178, 113983.	13.7	19
30	Mesoporous Silica Nanoparticles as Carriers for Biomolecules in Cancer Therapy. Advances in Experimental Medicine and Biology, 2021, 1295, 99-120.	1.6	9
31	Cell Volume (3D) Correlative Microscopy Facilitated by Intracellular Fluorescent Nanodiamonds as Multi-Modal Probes. Nanomaterials, 2021, 11, 14.	4.1	9
32	Antiarthritic Activities of Herbal Isolates: A Comprehensive Review. Coatings, 2021, 11, 1329.	2.6	6
33	Core@shell structured ceria@mesoporous silica nanoantibiotics restrain bacterial growth in vitro and in vivo. Materials Science and Engineering C, 2021, , 112607.	7.3	3
34	Formulation and optimization of drug-loaded mesoporous silica nanoparticle-based tablets to improve the dissolution rate of the poorly water-soluble drug silymarin. European Journal of Pharmaceutical Sciences, 2020, 142, 105103.	4.0	44
35	Nanoparticles carrying fingolimod and methotrexate enables targeted induction of apoptosis and immobilization of invasive thyroid cancer. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 148, 1-9.	4.3	28
36	Facile methodology of nanoemulsion preparation using oily polymer for the delivery of poorly soluble drugs. Drug Delivery and Translational Research, 2020, 10, 1228-1240.	5.8	38

#	Article	IF	Citations
37	Therapeutic Potential of Polymer-Coated Mesoporous Silica Nanoparticles. Applied Sciences (Switzerland), 2020, 10, 289.	2.5	21
38	Direct Functional Protein Delivery with a Peptide into Neonatal and Adult Mammalian Inner Ear InÂVivo. Molecular Therapy - Methods and Clinical Development, 2020, 18, 511-519.	4.1	5
39	Polycaprolactone-gelatin nanofibers incorporated with dual antibiotic-loaded carboxyl-modified silica nanoparticles. Journal of Materials Science, 2020, 55, 17134-17150.	3.7	14
40	Assessment of Intracellular Delivery Potential of Novel Sustainable Poly(Î´-decalactone)-Based Micelles. Pharmaceutics, 2020, 12, 726.	4.5	10
41	Evolution of Nanotechnology in Delivering Drugs to Eyes, Skin and Wounds via Topical Route. Pharmaceuticals, 2020, 13, 167.	3.8	22
42	Fluorescent and Electron-Dense Green Color Emitting Nanodiamonds for Single-Cell Correlative Microscopy. Molecules, 2020, 25, 5897.	3.8	6
43	Intranasal Nanoemulsions for Direct Nose-to-Brain Delivery of Actives for CNS Disorders. Pharmaceutics, 2020, 12, 1230.	4.5	65
44	Rational evaluation of human serum albumin coated mesoporous silica nanoparticles for xenogenic-free stem cell therapies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 600, 124945.	4.7	5
45	Anti-bacterial activity of inorganic nanomaterials and their antimicrobial peptide conjugates against resistant and non-resistant pathogens. International Journal of Pharmaceutics, 2020, 586, 119531.	5.2	35
46	Recent Advances and Impact of Chemotherapeutic and Antiangiogenic Nanoformulations for Combination Cancer Therapy. Pharmaceutics, 2020, 12, 592.	4.5	26
47	Coculture of P. aeruginosa and S. aureus on cell derived matrix - An in vitro model of biofilms in infected wounds. Journal of Microbiological Methods, 2020, 175, 105994.	1.6	7
48	Plant-Derived Natural Biomolecule Picein Attenuates Menadione Induced Oxidative Stress on Neuroblastoma Cell Mitochondria. Antioxidants, 2020, 9, 552.	5.1	18
49	Molecular and nanoscale engineering of porous silica particles for drug delivery. , 2020, , 395-419.		2
50	Stimuli-Responsive, Plasmonic Nanogel for Dual Delivery of Curcumin and Photothermal Therapy for Cancer Treatment. Frontiers in Chemistry, 2020, 8, 602941.	3.6	37
51	Evolving Technologies and Strategies for Combating Antibacterial Resistance in the Advent of the Postantibiotic Era. Advanced Functional Materials, 2020, 30, 1908783.	14.9	91
52	Synthetic polymers from renewable feedstocks: an alternative to fossil-based materials in biomedical applications. Therapeutic Delivery, 2020, 11, 297-300.	2.2	19
53	Silica Nanoparticles for Diagnosis, Imaging and Theranostics. , 2020, , 349-394.		0
54	Comparison of Polydopamine-Coated Mesoporous Silica Nanorods and Spheres for the Delivery of Hydrophilic and Hydrophobic Anticancer Drugs. International Journal of Molecular Sciences, 2019, 20, 3408.	4.1	30

#	Article	IF	Citations
55	Advances in thermo-responsive polymers exhibiting upper critical solution temperature (UCST). EXPRESS Polymer Letters, 2019, 13, 974-992.	2.1	22
56	Synthesis of polyester from renewable feedstock: a comparison between microwave and conventional heating. Mendeleev Communications, 2019, 29, 178-180.	1.6	4
57	Brilliant blue, green, yellow, and red fluorescent diamond particles: synthesis, characterization, and multiplex imaging demonstrations. Nanoscale, 2019, 11, 11584-11595.	5.6	22
58	Chemical and photonic interactions in vitro and in vivo between fluorescent tracer and nanoparticle-based scavenger for enhanced molecular imaging. Materials Today Bio, 2019, 2, 100010.	5.5	6
59	Quantitative bioimage analytics enables measurement of targeted cellular stress response induced by celastrol-loaded nanoparticles. Cell Stress and Chaperones, 2019, 24, 735-748.	2.9	4
60	Feasibility Study of Mesoporous Silica Particles for Pulmonary Drug Delivery: Therapeutic Treatment with Dexamethasone in a Mouse Model of Airway Inflammation. Pharmaceutics, 2019, 11, 149.	4.5	28
61	Biodistribution, Excretion, and Toxicity of Inorganic Nanoparticles. , 2019, , 3-26.		7
62	Green Nanotechnology: Advancement in Phytoformulation Research. Medicines (Basel, Switzerland), 2019, 6, 39.	1.4	85
63	Nanodiamonds for advanced optical bioimaging and beyond. Current Opinion in Colloid and Interface Science, 2019, 39, 220-231.	7.4	43
64	Formulation and optimization of lyophilized nanosuspension tablets to improve the physicochemical properties and provide immediate release of silymarin. International Journal of Pharmaceutics, 2019, 563, 217-227.	5.2	45
65	Hybrid mesoporous nanorods with deeply grooved lateral faces toward cytosolic drug delivery. Biomaterials Science, 2019, 7, 5301-5311.	5.4	6
66	Nanogels as drug-delivery systems: a comprehensive overview. Therapeutic Delivery, 2019, 10, 697-717.	2.2	109
67	CaP coated mesoporous polydopamine nanoparticles with responsive membrane permeation ability for combined photothermal and siRNA therapy. Acta Biomaterialia, 2019, 86, 416-428.	8.3	70
68	Role of Polymers in 3D Printing Technology for Drug Delivery - An Overview. Current Pharmaceutical Design, 2019, 24, 4979-4990.	1.9	28
69	Nanodiamond based complexes for prolonged dexamethasone release. , 2019, , .		1
70	Characterization of modified mesoporous silica nanoparticles as vectors for siRNA delivery. Asian Journal of Pharmaceutical Sciences, 2018, 13, 592-599.	9.1	23
71	Mesoporous silica nanoparticles as diagnostic and therapeutic tools: how can they combat bacterial infection?. Therapeutic Delivery, 2018, 9, 241-244.	2.2	26
72	A method for optical imaging and monitoring of the excretion of fluorescent nanocomposites from the body using artificial neural networks. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1371-1380.	3.3	19

#	Article	IF	Citations
73	Multimodality Imaging of Silica and Silicon Materials In Vivo. Advanced Materials, 2018, 30, e1703651.	21.0	53
74	Modeling of a Hybrid Langmuir Adsorption Isotherm for Describing Interactions Between Drug Molecules and Silica Surfaces. Journal of Pharmaceutical Sciences, 2018, 107, 1392-1397.	3.3	10
75	STEDâ€TEM Correlative Microscopy Leveraging Nanodiamonds as Intracellular Dualâ€Contrast Markers. Small, 2018, 14, 1701807.	10.0	32
76	Bimodal Mesoporous CMK-5 Carbon: Selective Pore Filling with Sulfur and SnO₂ for Lithium Battery Electrodes. ACS Applied Nano Materials, 2018, 1, 455-462.	5.0	19
77	Renewable poly(Î´-decalactone) based block copolymer micelles as drug delivery vehicle: in vitro and in vivo evaluation. Saudi Pharmaceutical Journal, 2018, 26, 358-368.	2.7	30
78	Neural Network Classification Method for Solution of the Problem of Monitoring Theremoval of the Theranostics Nanocomposites from an Organism. Advances in Intelligent Systems and Computing, 2018, , 173-179.	0.6	2
79	Factors Affecting Intracellular Delivery and Release of Hydrophilic Versus Hydrophobic Cargo from Mesoporous Silica Nanoparticles on 2D and 3D Cell Cultures. Pharmaceutics, 2018, 10, 237.	4.5	10
80	Solid Lipid Nanoparticles: Emerging Colloidal Nano Drug Delivery Systems. Pharmaceutics, 2018, 10, 191.	4.5	374
81	Core-Shell Structures of Upconversion Nanocrystals Coated with Silica for Near Infrared Light Enabled Optical Imaging of Cancer Cells. Micromachines, 2018, 9, 400.	2.9	9
82	Terbium complexes encapsulated in hierarchically organized hybrid MOF particles toward stable luminescence in aqueous media. CrystEngComm, 2018, 20, 4225-4229.	2.6	1
83	Mesoporous silica nanoparticles facilitating the dissolution of poorly soluble drugs in orodispersible films. European Journal of Pharmaceutical Sciences, 2018, 122, 152-159.	4.0	21
84	Targeting Somatostatin Receptors By Functionalized Mesoporous Silica Nanoparticles - Are We Striking Home?. Nanotheranostics, 2018, 2, 320-346.	5.2	8
85	Fluorescent single-digit detonation nanodiamond for biomedical applications. Methods and Applications in Fluorescence, 2018, 6, 035010.	2.3	32
86	Biofunctionalized Mesoporous Silica Nanomaterials for Targeted Drug Delivery. , 2018, , 489-520.		4
87	Gold nanoparticle printed coverslips to facilitate fluorescence-TEM correlative microscopy. Microscopy (Oxford, England), 2018, 67, 51-54.	1.5	3
88	Monitoring of the excretion of fluorescent nanocomposites out of the body using artificial neural networks. , 2018, , .		1
89	Pharmacokinetics and Tissue Disposition of Nanosystem-Entrapped Betulin After Endotracheal Administration to Rats. European Journal of Drug Metabolism and Pharmacokinetics, 2017, 42, 327-332.	1.6	18
90	Microwave-assisted one-step synthesis of acetate-capped NaYF4:Yb/Er upconversion nanocrystals and their application in bioimaging. Journal of Materials Science, 2017, 52, 5738-5750.	3.7	27

#	Article	IF	Citations
91	Size, Stability, and Porosity of Mesoporous Nanoparticles Characterized with Light Scattering. Nanoscale Research Letters, 2017, 12, 74.	5.7	168
92	Super-sensitive time-resolved fluoroimmunoassay for thyroid-stimulating hormone utilizing europium(III) nanoparticle labels achieved by protein corona stabilization, short binding time, and serum preprocessing. Analytical and Bioanalytical Chemistry, 2017, 409, 3407-3416.	3.7	11
93	Ratiometric Sensing and Imaging of Intracellular pH Using Polyethylenimine-Coated Photon Upconversion Nanoprobes. Analytical Chemistry, 2017, 89, 1501-1508.	6.5	95
94	Printable nanomedicines: the future of customized drug delivery?. Therapeutic Delivery, 2017, 8, 721-723.	2.2	11
95	NIR light-activated dual-modality cancer therapy mediated by photochemical internalization of porous nanocarriers with tethered lipid bilayers. Journal of Materials Chemistry B, 2017, 5, 8289-8298.	5.8	19
96	Solution Conformation of Polymer Brushes Determines Their Interactions with DNA and Transfection Efficiency. Biomacromolecules, 2017, 18, 4121-4132.	5.4	36
97	Tailored Approaches in Drug Development and Diagnostics: From Molecular Design to Biological Model Systems. Advanced Healthcare Materials, 2017, 6, 1700258.	7.6	38
98	Analyses in zebrafish embryos reveal that nanotoxicity profiles are dependent on surface-functionalization controlled penetrance of biological membranes. Scientific Reports, 2017, 7, 8423.	3.3	44
99	Lipid Bilayer-Gated Mesoporous Silica Nanocarriers for Tumor-Targeted Delivery of Zoledronic Acid in Vivo. Molecular Pharmaceutics, 2017, 14, 3218-3227.	4.6	28
100	Mesoporous silica materials: From physico-chemical properties to enhanced dissolution of poorly water-soluble drugs. Journal of Controlled Release, 2017, 262, 329-347.	9.9	202
101	Intracellular Trafficking of Fluorescent Nanodiamonds and Regulation of Their Cellular Toxicity. ACS Omega, 2017, 2, 2689-2693.	3.5	47
102	Inkjet Printing of Drug-Loaded Mesoporous Silica Nanoparticlesâ€"A Platform for Drug Development. Molecules, 2017, 22, 2020.	3.8	38
103	Feasibility Study of the Permeability and Uptake of Mesoporous Silica Nanoparticles across the Blood-Brain Barrier. PLoS ONE, 2016, 11, e0160705.	2.5	74
104	Stimuli-responsive hybrid nanocarriers developed by controllable integration of hyperbranched PEI with mesoporous silica nanoparticles for sustained intracellular siRNA delivery. International Journal of Nanomedicine, 2016, Volume 11, 6591-6608.	6.7	53
105	Targeted modulation of cell differentiation in distinct regions of the gastrointestinal tract via oral administration of differently PEG-PEI functionalized mesoporous silica nanoparticles. International Journal of Nanomedicine, 2016, 11, 299.	6.7	31
106	Prolonged Dye Release from Mesoporous Silica-Based Imaging Probes Facilitates Long-Term Optical Tracking of Cell Populations In Vivo. Small, 2016, 12, 1578-1592.	10.0	26
107	Controlled synthesis, bioimaging and toxicity assessments in strong red emitting Mn²⁺ doped NaYF₄:Yb³⁺/Ho³⁺ nanophosphors. RSC Advances, 2016, 6, 53698-53704.	3.6	31
108	Inhibiting Notch Activity in Breast Cancer Stem Cells by Glucose Functionalized Nanoparticles Carrying γ-secretase Inhibitors. Molecular Therapy, 2016, 24, 926-936.	8.2	91

#	Article	IF	Citations
109	Shape engineering boosts antibacterial activity of chitosan coated mesoporous silica nanoparticle doped with silver: a mechanistic investigation. Journal of Materials Chemistry B, 2016, 4, 3292-3304.	5.8	50
110	Realâ€Time Labelâ€Free Monitoring of Nanoparticle Cell Uptake. Small, 2016, 12, 6289-6300.	10.0	26
111	Preparation of curcumin loaded mesoporous silica nanoparticles: Determining polarizability inside the mesopores. Materials Research Bulletin, 2016, 84, 267-272.	5.2	20
112	Treating malignant glioma and brain metastasis with nanoparticles: Challenges of a peptide-based targeting and passage through the bloodâ€“brain-barrier. European Journal of Cancer, 2016, 61, S194.	2.8	0
113	On the intracellular release mechanism of hydrophobic cargo and its relation to the biodegradation behavior of mesoporous silica nanocarriers. European Journal of Pharmaceutical Sciences, 2016, 95, 17-27.	4.0	23
114	Mesoporous silica nanoparticles in tissue engineering â€“ a perspective. Nanomedicine, 2016, 11, 391-402.	3.3	83
115	Modulation of the structural properties of mesoporous silica nanoparticles to enhance the T₁-weighted MR imaging capability. Journal of Materials Chemistry B, 2016, 4, 1720-1732.	5.8	13
116	Evidence of carbon nanoparticleâ€“solvent molecule interactions in Raman and fluorescence spectra. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2512-2518.	1.8	36
117	One-pot synthesis of pore-expanded hollow mesoporous silica particles. Materials Letters, 2015, 143, 140-143.	2.6	19
118	Curcumin associated poly(allylamine hydrochloride)-phosphate self-assembled hierarchically ordered nanocapsules: size dependent investigation on release and DPPH scavenging activity of curcumin. RSC Advances, 2015, 5, 18740-18750.	3.6	42
119	Nanodiamond-Based Composite Structures for Biomedical Imaging and Drug Delivery. Journal of Nanoscience and Nanotechnology, 2015, 15, 959-971.	0.9	62
120	Sugar-decorated mesoporous silica nanoparticles as delivery vehicles for the poorly soluble drug celastrol enables targeted induction of apoptosis in cancer cells. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 11-21.	4.3	75
121	Novel, fast-processed crystalline and amorphous manganese oxide nanoparticles for stem cell labeling. Inorganic Chemistry Frontiers, 2015, 2, 640-648.	6.0	6
122	Functionalization of graphene oxide nanostructures improves photoluminescence and facilitates their use as optical probes in preclinical imaging. Nanoscale, 2015, 7, 10410-10420.	5.6	48
123	Comparative safety evaluation of silica-based particles. Toxicology in Vitro, 2015, 30, 355-363.	2.4	34
124	Polydopamine Coatings in Confined Nanopore Space: Toward Improved Retention and Release of Hydrophilic Cargo. Journal of Physical Chemistry C, 2015, 119, 24512-24521.	3.1	111
125	The viability of mesoporous silica nanoparticles for drug delivery. Therapeutic Delivery, 2015, 6, 891-893.	2.2	13
126	Multi-dimensional single-spin nano-optomechanics with a levitated nanodiamond. Nature Photonics, 2015, 9, 653-657.	31.4	119

#	Article	IF	Citations
127	Targeted delivery of a novel anticancer compound anisomelic acid using chitosan-coated porous silica nanorods for enhancing the apoptotic effect. Biomaterials Science, 2015, 3, 103-111.	5.4	34
128	Progress Toward a Spin-Optomechanics Platform With Vacuum Levitated Nanodiamonds. , 2015, , .		0
129	Photon upconversion sensitized nanoprobes for sensing and imaging of pH. Nanoscale, 2014, 6, 6837-6843.	5.6	126
130	Combination of magnetic field and surface functionalization for reaching synergistic effects in cellular labeling by magnetic coreâ€“shell nanospheres. Biomaterials Science, 2014, 2, 1750-1760.	5.4	14
131	Tethered Lipid Bilayer Gates: Toward Extended Retention of Hydrophilic Cargo in Porous Nanocarriers. Advanced Functional Materials, 2014, 24, 2352-2360.	14.9	33
132	Optical imaging of fluorescent carbon biomarkers using artificial neural networks. Journal of Biomedical Optics, 2014, 19, 117007.	2.6	19
133	Polyethyleneimine-functionalized large pore ordered silica materials for poorly water-soluble drug delivery. Journal of Materials Science, 2014, 49, 1437-1447.	3.7	38
134	Rational evaluation of the utilization of PEG-PEI copolymers for the facilitation of silica nanoparticulate systems in biomedical applications. Journal of Colloid and Interface Science, 2014, 418, 300-310.	9.4	38
135	Semiconducting Polymer Encapsulated Mesoporous Silica Particles with Conjugated Europium Complexes: Toward Enhanced Luminescence under Aqueous Conditions. ACS Applied Materials & Interfaces, 2014, 6, 19064-19074.	8.0	12
136	FRET-reporter nanoparticles to monitor redox-induced intracellular delivery of active compounds. RSC Advances, 2014, 4, 16429-16437.	3.6	17
137	Mesoporous silica nanoparticles with redox-responsive surface linkers for charge-reversible loading and release of short oligonucleotides. Dalton Transactions, 2014, 43, 4115.	3.3	74
138	Active targeting of mesoporous silica drug carriers enhances Î³-secretase inhibitor efficacy in an in vivo model for breast cancer. Nanomedicine, 2014, 9, 971-987.	3.3	30
139	Study of adsorption properties of functionalized nanodiamonds in aqueous solutions of metal salts using optical spectroscopy. Journal of Alloys and Compounds, 2014, 586, S436-S439.	5.5	31
140	Design considerations for mesoporous silica nanoparticulate systems in facilitating biomedical applications. Open Material Sciences, 2014, 1, .	0.8	38
141	Coreâ€“shell designs of photoluminescent nanodiamonds with porous silica coatings for bioimaging and drug delivery II: application. Nanoscale, 2013, 5, 3713.	5.6	111
142	Coreâ€“shell designs of photoluminescent nanodiamonds with porous silica coatings for bioimaging and drug delivery I: fabrication. Journal of Materials Chemistry B, 2013, 1, 2358.	5.8	66
143	Diamondâ€“Water Coupling Effects in Raman and Photoluminescence Spectra of Nanodiamond Colloidal Suspensions. Journal of Physical Chemistry C, 2012, 116, 24314-24319.	3.1	44
144	Shape engineering vs organic modification of inorganic nanoparticles as a tool for enhancing cellular internalization. Nanoscale Research Letters, 2012, 7, 358.	5.7	61

#	Article	IF	Citations
145	Nanoparticles in targeted cancer therapy: mesoporous silica nanoparticles entering preclinical development stage. Nanomedicine, 2012, 7, 111-120.	3.3	233
146	Molecular Confinement in Fluorescent Magnetic Mesoporous Silica Nanoparticles: Effect of Pore Size on Multifunctionality. ChemPhysChem, 2012, 13, 2016-2019.	2.1	22
147	Magnetic mesoporous silica nanospheres as DNA/drug carrier. Materials Letters, 2012, 67, 379-382.	2.6	61
148	Mesoporous Silica Nanoparticles as Drug Delivery Systems for Targeted Inhibition of Notch Signaling in Cancer. Molecular Therapy, 2011, 19, 1538-1546.	8.2	197
149	Large-pore mesoporous silica-coated magnetite core-shell nanocomposites and their relevance for biomedical applications. Microporous and Mesoporous Materials, 2011, 145, 14-20.	4.4	73
150	Synthesis and characterization of pore size-tunable magnetic mesoporous silica nanoparticles. Journal of Colloid and Interface Science, 2011, 361, 16-24.	9.4	151
151	Multifunctional Mesoporous Silica Nanoparticles for Combined Therapeutic, Diagnostic and Targeted Action in Cancer Treatment. Current Drug Targets, 2011, 12, 1166-1186.	2.1	156
152	Cancerâ€Cellâ€Specific Induction of Apoptosis Using Mesoporous Silica Nanoparticles as Drugâ€Delivery Vectors. Small, 2010, 6, 1234-1241.	10.0	163
153	Towards multifunctional, targeted drug delivery systems using mesoporous silica nanoparticles â€“ opportunities & challenges. Nanoscale, 2010, 2, 1870.	5.6	504
154	Cancer-cell targeting and cell-specific delivery by mesoporous silica nanoparticles. Journal of Materials Chemistry, 2010, 20, 2707.	6.7	89
155	The use of an impure inorganic precursor for the synthesis of highly siliceous mesoporous materials under acidic conditions. Microporous and Mesoporous Materials, 2009, 126, 272-275.	4.4	9
156	Cobalt oxide species supported on SBA-15, KIT-5 and KIT-6 mesoporous silicas for ethyl acetate total oxidation. Applied Catalysis B: Environmental, 2009, 89, 365-374.	20.2	169
157	Targeted Intracellular Delivery of Hydrophobic Agents using Mesoporous Hybrid Silica Nanoparticles as Carrier Systems. Nano Letters, 2009, 9, 3308-3311.	9.1	209
158	Targeting of Porous Hybrid Silica Nanoparticles to Cancer Cells. ACS Nano, 2009, 3, 197-206.	14.6	477
159	The molecular structure of disulfiram and its complexation with silica. A quantum chemical study. Computational and Theoretical Chemistry, 2008, 861, 57-61.	1.5	11
160	Iron oxide nanoparticles supported on NH2- and COOH-functionalized SBA-15. Reaction Kinetics and Catalysis Letters, 2008, 95, 329-336.	0.6	1
161	Physicochemical and catalytic properties of grafted vanadium species on different mesoporous silicas. Journal of Colloid and Interface Science, 2008, 321, 342-349.	9.4	15
162	Expansion of the F127-templated mesostructure in aerosol-generated particles by using polypropylene glycol as a swelling agent. Microporous and Mesoporous Materials, 2008, 113, 1-13.	4.4	26

#	Article	IF	Citations
163	Evolution of aluminosilicate structure and mullite crystallization from homogeneous nanoparticulate solâ€“gel precursor with organic additives. Journal of the European Ceramic Society, 2008, 28, 1749-1762.	5.7	44
164	Critical evaluation of the state of iron oxide nanoparticles on different mesoporous silicas prepared by an impregnation method. Microporous and Mesoporous Materials, 2008, 112, 327-337.	4.4	48
165	Towards establishing structureâ€“activity relationships for mesoporous silica in drug delivery applications. Journal of Controlled Release, 2008, 128, 157-164.	9.9	188
166	Hyperbranching Surface Polymerization as a Tool for Preferential Functionalization of the Outer Surface of Mesoporous Silica. Chemistry of Materials, 2008, 20, 1126-1133.	6.7	87
167	Poly(ethylene imine) functionalized mesoporous silica nanoparticle for biological applications. Studies in Surface Science and Catalysis, 2008, 174, 353-356.	1.5	4
168	On the Complexity of Electrostatic Suspension Stabilization of Functionalized Silica Nanoparticles for Biotargeting and Imaging Applications. Journal of Nanomaterials, 2008, 2008, 1-9.	2.7	29
169	On the Nature of the BrÃ¸nsted Acidic Groups on Native and Functionalized Mesoporous Siliceous SBA-15 as Studied by Benzylamine Adsorption from Solution. Langmuir, 2007, 23, 4315-4323.	3.5	147
170	Wet-Chemical Analysis of Surface Concentration of Accessible Groups on Different Amino-Functionalized Mesoporous SBA-15 Silicas. Chemistry of Materials, 2007, 19, 5023-5034.	6.7	174
171	Iron and copper oxide modified SBA-15 materials as catalysts in methanol decomposition: Effect of copolymer template removal. Applied Catalysis A: General, 2007, 318, 234-243.	4.3	38
172	Amino-functionalization of large-pore mesoscopically ordered silica by a one-step hyperbranching polymerization of a surface-grown polyethyleneimine. Chemical Communications, 2006, , 3909-3911.	4.1	116
173	Preparation, characterization and catalytic behavior in methanol decomposition of nanosized iron oxide particles within large pore ordered mesoporous silicas. Microporous and Mesoporous Materials, 2006, 89, 209-218.	4.4	51
174	Sol-gel synthesis of a nanoparticulate aluminosilicate precursor for homogeneous mullite ceramics. Journal of Materials Research, 2006, 21, 1279-1285.	2.6	19
175	Pore design in view of adsorption, reductive and catalytic properties of Fe or Cu oxide modified large mesoporous silicas. Studies in Surface Science and Catalysis, 2005, 158, 773-780.	1.5	3
176	Nickelmodifiedlarge poremesoporoussilicas ascatalysts for methanol decomposition. Reaction Kinetics and Catalysis Letters, 2005, 86, 275-280.	0.6	8
177	Influences of Material Characteristics on Ibuprofen Drug Loading and Release Profiles from Ordered Micro- and Mesoporous Silica Matrices. Chemistry of Materials, 2004, 16, 4160-4167.	6.7	549
178	Expanding horizons of mesoporous materials to non-siliceous systems. Studies in Surface Science and Catalysis, 2003, , 399-406.	1.5	9
179	Current Approaches for Exploration of Nanoparticles as Antibacterial Agents. , 0, , .		16
180	Mesoporous silica nanoparticles for somatostatin targeted Notch activation in animal model of pancreatic neuroendocrine cancer. Endocrine Abstracts, 0, , .	0.0	1