Jarno Salonen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10631931/publications.pdf

Version: 2024-02-01

158 papers	7,926 citations	30070 54 h-index	54911 84 g-index
161 all docs	161 docs citations	161 times ranked	8727 citing authors

#	Article	IF	Citations
1	Quantitative Analysis of Porous Silicon Nanoparticles Functionalization by ¹H NMR. ACS Biomaterials Science and Engineering, 2022, 8, 4132-4139.	5.2	5
2	Neonatal Fc receptor-targeted lignin-encapsulated porous silicon nanoparticles for enhanced cellular interactions and insulin permeation across the intestinal epithelium. Bioactive Materials, 2022, 9, 299-315.	15.6	23
3	Colonic Delivery of Î±â€Linolenic Acid by an Advanced Nutrient Delivery System Prolongs Glucagonâ€Like Peptideâ€1 Secretion and Inhibits Food Intake in Mice. Molecular Nutrition and Food Research, 2022, 66, e2100978.	3.3	4
4	Folic acid-mesoporous silicon nanoparticles enhance the anticancer activity of the p73-activating small molecule LEM2. International Journal of Pharmaceutics, 2022, 624, 121959.	5.2	0
5	Ultrasound irradiation as an effective tool in synthesis of the slag-based catalysts for carboxymethylation. Ultrasonics Sonochemistry, 2021, 73, 105503.	8.2	5
6	Multistage signal-interactive nanoparticles improve tumor targeting through efficient nanoparticle-cell communications. Cell Reports, 2021, 35, 109131.	6.4	6
7	Investigation of silicon nanoparticles produced by centrifuge chemical vapor deposition for applications in therapy and diagnostics. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 158, 254-265.	4.3	13
8	Transformation of industrial steel slag with different structure-modifying agents for synthesis of catalysts. Catalysis Today, 2020, 355, 768-780.	4.4	5
9	Engineered antibody-functionalized porous silicon nanoparticles for therapeutic targeting of pro-survival pathway in endogenous neuroblasts after stroke. Biomaterials, 2020, 227, 119556.	11.4	23
10	Hybrid red blood cell membrane coated porous silicon nanoparticles functionalized with cancer antigen induce depletion of T cells. RSC Advances, 2020, 10, 35198-35205.	3.6	10
11	Influence of Cell Membrane Wrapping on the Cellâ^'Porous Silicon Nanoparticle Interactions. Advanced Healthcare Materials, 2020, 9, e2000529.	7.6	11
12	Tandemâ€Massâ€Tag Based Proteomic Analysis Facilitates Analyzing Critical Factors of Porous Silicon Nanoparticles in Determining Their Biological Responses under Diseased Condition. Advanced Science, 2020, 7, 2001129.	11.2	11
13	Fabrication and Characterization of Drug-Loaded Conductive Poly(glycerol) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (sebac Materials & Interfaces, 2020, 12, 6899-6909.	8.0	57
14	Preparation and in vivo evaluation of red blood cell membrane coated porous silicon nanoparticles implanted with 155Tb. Nuclear Medicine and Biology, 2020, 84-85, 102-110.	0.6	9
15	Hierarchical Nanostructuring of Porous Silicon with Electrochemical and Regenerative Electroless Etching. ACS Nano, 2019, 13, 13056-13064.	14.6	8
16	Porous Silicon as a Platform for Radiation Theranostics Together with a Novel RIB-Based Radiolanthanoid. Contrast Media and Molecular Imaging, 2019, 2019, 1-9.	0.8	11
17	Synthesis and Characterization of Novel Catalytic Materials Using Industrial Slag: Influence of Alkaline Pretreatment, Synthesis Time and Temperature. Topics in Catalysis, 2019, 62, 738-751.	2.8	9
18	Photothermal-responsive nanosized hybrid polymersome as versatile therapeutics codelivery nanovehicle for effective tumor suppression. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7744-7749.	7.1	85

#	Article	IF	Citations
19	Automatic methodologies to perform loading and release assays of anticancer drugs from mesoporous silicon nanoparticles. Talanta, 2019, 196, 277-283.	5.5	2
20	Cellular Internalizationâ€“Induced Aggregation of Porous Silicon Nanoparticles for Ultrasound Imaging and Proteinâ€Mediated Protection of Stem Cells. Small, 2019, 15, e1804332.	10.0	51
21	Close-loop dynamic nanohybrids on collagen-ark with in situ gelling transformation capability for biomimetic stage-specific diabetic wound healing. Materials Horizons, 2019, 6, 385-393.	12.2	46
22	Thermally Carbonized Porous Silicon and Its Recent Applications. Advanced Materials, 2018, 30, e1703819.	21.0	48
23	Measuring electrostatic charging of powders on-line during surface adhesion. Journal of Electrostatics, 2018, 93, 53-57.	1.9	11
24	Bioengineered Porous Silicon Nanoparticles@Macrophages Cell Membrane as Composite Platforms for Rheumatoid Arthritis. Advanced Functional Materials, 2018, 28, 1801355.	14.9	44
25	Gold Nanorods Conjugated Porous Silicon Nanoparticles Encapsulated in Calcium Alginate Nano Hydrogels Using Microemulsion Templates. Nano Letters, 2018, 18, 1448-1453.	9.1	73
26	Cardiac Actions of a Small Molecule Inhibitor Targeting GATA4â€“NKX2-5 Interaction. Scientific Reports, 2018, 8, 4611.	3.3	29
27	Multifunctional Nanohybrid Based on Porous Silicon Nanoparticles, Gold Nanoparticles, and Acetalated Dextran for Liver Regeneration and Acute Liver Failure Theranostics. Advanced Materials, 2018, 30, e1703393.	21.0	80
28	Conductive vancomycin-loaded mesoporous silica polypyrrole-based scaffolds for bone regeneration. International Journal of Pharmaceutics, 2018, 536, 241-250.	5.2	65
29	The electrical resistivity and relative permittivity of binary powder mixtures. Powder Technology, 2018, 325, 228-233.	4.2	7
30	Nanohybrids: Multifunctional Nanohybrid Based on Porous Silicon Nanoparticles, Gold Nanoparticles, and Acetalated Dextran for Liver Regeneration and Acute Liver Failure Theranostics (Adv. Mater. 24/2018). Advanced Materials, 2018, 30, 1870168.	21.0	4
31	Ultrasonic Power to Enhance Limestone Dissolution in the Wet Flue Gas Desulfurization Process. Modeling and Results from Stepwise Titration Experiments. ChemEngineering, 2018, 2, 53.	2.4	3
32	Microfluidic Nanoassembly of Bioengineered Chitosan-Modified FcRn-Targeted Porous Silicon Nanoparticles @ Hypromellose Acetate Succinate for Oral Delivery of Antidiabetic Peptides. ACS Applied Materials & Interfaces, 2018, 10, 44354-44367.	8.0	47
33	Hierarchical structured and programmed vehicles deliver drugs locally to inflamed sites of intestine. Biomaterials, 2018, 185, 322-332.	11.4	73
34	Sequential Antifouling Surface for Efficient Modulation of the Nanoparticleâ€“Cell Interactions in Proteinâ€Rich Environments. Advanced Therapeutics, 2018, 1, 1800013.	3.2	5
35	Engineered Multifunctional Albuminâ€Decorated Porous Silicon Nanoparticles for FcRn Translocation of Insulin. Small, 2018, 14, e1800462.	10.0	53
36	Impact of Pore Size and Surface Chemistry of Porous Silicon Particles and Structure of Phospholipids on Their Interactions. ACS Biomaterials Science and Engineering, 2018, 4, 2308-2313.	5.2	21

#	Article	IF	Citations
37	Drug Delivery with Porous Silicon. , 2018, , 1377-1390.		3
38	Electroencapsulation of Porous Silicon. , 2018, , 997-1001.		0
39	Characterization of Porous Silicon by Calorimetry. , 2018, , 621-626.		0
40	Biomimetic Engineering Using Cancer Cell Membranes for Designing Compartmentalized Nanoreactors with Organelleâ€Like Functions. Advanced Materials, 2017, 29, 1605375.	21.0	54
41	Core/Shell Nanocomposites Produced by Superfast Sequential Microfluidic Nanoprecipitation. Nano Letters, 2017, 17, 606-614.	9.1	123
42	Influence of relative humidity on the electrostatic charging of lactose powder mixed with salbutamol sulphate. Journal of Electrostatics, 2017, 88, 201-206.	1.9	7
43	Intracellular responsive dual delivery by endosomolytic polyplexes carrying DNA anchored porous silicon nanoparticles. Journal of Controlled Release, 2017, 249, 111-122.	9.9	31
44	Size, Stability, and Porosity of Mesoporous Nanoparticles Characterized with Light Scattering. Nanoscale Research Letters, 2017, 12, 74.	5.7	168
45	Receptor-Mediated Surface Charge Inversion Platform Based on Porous Silicon Nanoparticles for Efficient Cancer Cell Recognition and Combination Therapy. ACS Applied Materials & Interfaces, 2017, 9, 10034-10046.	8.0	51
46	Solvent-free â€œgreenâ€•amidation of stearic acid for synthesis of biologically active alkylamides over iron supported heterogeneous catalysts. Applied Catalysis A: General, 2017, 542, 350-358.	4.3	9
47	A multifunctional nanocomplex for enhanced cell uptake, endosomal escape and improved cancer therapeutic effect. Nanomedicine, 2017, 12, 1401-1420.	3.3	15
48	A Versatile Carbonic Anhydrase IX Targeting Ligand-Functionalized Porous Silicon Nanoplatform for Dual Hypoxia Cancer Therapy and Imaging. ACS Applied Materials & Interfaces, 2017, 9, 13976-13987.	8.0	44
49	The impact of porous silicon nanoparticles on human cytochrome P450 metabolism in human liver microsomes in vitro. European Journal of Pharmaceutical Sciences, 2017, 104, 124-132.	4.0	11
50	Regenerative Electroless Etching of Silicon. Angewandte Chemie - International Edition, 2017, 56, 624-627.	13.8	25
51	Multistaged Nanovaccines Based on Porous Silicon@Acetalated Dextran@Cancer Cell Membrane for Cancer Immunotherapy. Advanced Materials, 2017, 29, 1603239.	21.0	144
52	Preparation and biological evaluation of ethionamide-mesoporous silicon nanoparticles against Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 403-405.	2.2	11
53	Quercetinâ€Based Modified Porous Silicon Nanoparticles for Enhanced Inhibition of Doxorubicinâ€Resistant Cancer Cells. Advanced Healthcare Materials, 2017, 6, 1601009.	7.6	49
54	Regenerative Electroless Etching of Silicon. Angewandte Chemie, 2017, 129, 639-642.	2.0	4

#	Article	IF	Citations
55	Development and optimization of methotrexate-loaded lipid-polymer hybrid nanoparticles for controlled drug delivery applications. International Journal of Pharmaceutics, 2017, 533, 156-168.	5.2	93
56	Drugâ€Loaded Multifunctional Nanoparticles Targeted to the Endocardial Layer of the Injured Heart Modulate Hypertrophic Signaling. Small, 2017, 13, 1701276.	10.0	82
57	Influence of parallel nozzle electroencapsulation parameters on microcapsule properties â€“ A case study using the Taguchi robust design method. Journal of Electrostatics, 2017, 90, 91-105.	1.9	5
58	Microfluidic assembly of a nano-in-micro dual drug delivery platform composed of halloysite nanotubes and a pH-responsive polymer for colon cancer therapy. Acta Biomaterialia, 2017, 48, 238-246.	8.3	109
59	Revisiting the dissolution kinetics of limestone - experimental analysis and modeling. Journal of Chemical Technology and Biotechnology, 2016, 91, 1517-1531.	3.2	11
60	Thiolation and Cellâ€Penetrating Peptide Surface Functionalization of Porous Silicon Nanoparticles for Oral Delivery of Insulin. Advanced Functional Materials, 2016, 26, 3405-3416.	14.9	94
61	Drug Delivery: Thiolation and Cell-Penetrating Peptide Surface Functionalization of Porous Silicon Nanoparticles for Oral Delivery of Insulin (Adv. Funct. Mater. 20/2016). Advanced Functional Materials, 2016, 26, 3374-3374.	14.9	5
62	Oral hypoglycaemic effect of GLP-1 and DPP4 inhibitor based nanocomposites in a diabetic animal model. Journal of Controlled Release, 2016, 232, 113-119.	9.9	44
63	Gold Nanorods, DNA Origami, and Porous Silicon Nanoparticleâ€functionalized Biocompatible Double Emulsion for Versatile Targeted Therapeutics and Antibody Combination Therapy. Advanced Materials, 2016, 28, 10195-10203.	21.0	55
64	Influence of Surface Chemistry on Ibuprofen Adsorption and Confinement in Mesoporous Silicon Microparticles. Langmuir, 2016, 32, 13020-13029.	3.5	25
65	Enhanced Photoluminescence in Acetylene-Treated ZnO Nanorods. Nanoscale Research Letters, 2016, 11, 413.	5.7	6
66	A coaxial probe with a vertically split outer sensor for charge and dimensional measurement of a passing object. Sensors and Actuators A: Physical, 2016, 244, 44-49.	4.1	3
67	Platelet Lysate-Modified Porous Silicon Microparticles for Enhanced Cell Proliferation in Wound Healing Applications. ACS Applied Materials & Interfaces, 2016, 8, 988-996.	8.0	33
68	Drug Delivery with Porous Silicon. , 2016, , 1-14.		2
69	Fabrication of Porous Silicon Based Humidity Sensing Elements on Paper. Journal of Sensors, 2015, 2015, 1-10.	1.1	21
70	Novel Delivery Systems for Improving the Clinical Use of Peptides. Pharmacological Reviews, 2015, 67, 541-561.	16.0	62
71	Electrostatic Interaction on Loading of Therapeutic Peptide GLP-1 into Porous Silicon Nanoparticles. Langmuir, 2015, 31, 1722-1729.	3.5	32
72	Onâ€Chip Selfâ€Assembly of a Smart Hybrid Nanocomposite for Antitumoral Applications. Advanced Functional Materials, 2015, 25, 1488-1497.	14.9	60

#	Article	IF	Citations
73	A prospective cancer chemo-immunotherapy approach mediated by synergistic CD326 targeted porous silicon nanovectors. Nano Research, 2015, 8, 1505-1521.	10.4	54
74	Processing of pharmaceutical materials by electrospraying under reduced pressure. Drug Development and Industrial Pharmacy, 2015, 41, 116-123.	2.0	3
75	One-step measurements of powder resistivity as a function of relative humidity and its effect on charging. Journal of Electrostatics, 2015, 76, 78-82.	1.9	8
76	A coaxial induction probe for measuring the charge, size and distance of a passing object. Journal of Electrostatics, 2015, 77, 94-100.	1.9	2
77	Multistage pH-responsive mucoadhesive nanocarriers prepared by aerosol flow reactor technology: A controlled dual protein-drug delivery system. Biomaterials, 2015, 68, 9-20.	11.4	77
78	Controlled Dissolution of Griseofulvin Solid Dispersions from Electrosprayed Enteric Polymer Micromatrix Particles: Physicochemical Characterization and in Vitro Evaluation. Molecular Pharmaceutics, 2015, 12, 2254-2264.	4.6	28
79	Inhibition of Multidrug Resistance of Cancer Cells by Coâ€Delivery of DNA Nanostructures and Drugs Using Porous Silicon Nanoparticles@Giant Liposomes. Advanced Functional Materials, 2015, 25, 3330-3340.	14.9	114
80	Oligonucleotide delivery by chitosan-functionalized porous silicon nanoparticles. Nano Research, 2015, 8, 2033-2046.	10.4	32
81	Optimization of a Wet Flue Gas Desulfurization Scrubber through Mathematical Modeling of Limestone Dissolution Experiments. Industrial & Engineering Chemistry Research, 2015, 54, 9783-9797.	3.7	15
82	Cyclodextrin-Modified Porous Silicon Nanoparticles for Efficient Sustained Drug Delivery and Proliferation Inhibition of Breast Cancer Cells. ACS Applied Materials & Interfaces, 2015, 7, 23197-23204.	8.0	55
83	Microfluidic assisted one-step fabrication of porous silicon@acetalated dextran nanocomposites for precisely controlled combination chemotherapy. Biomaterials, 2015, 39, 249-259.	11.4	133
84	Solid state transformations in consequence of electrospraying â€“ A novel polymorphic form of piroxicam. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 89, 182-189.	4.3	35
85	In vitro assessment of biopolymer-modified porous silicon microparticles for wound healing applications. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 635-642.	4.3	25
86	Drug Delivery with Porous Silicon. , 2014, , 909-919.		13
87	Characterization of Porous Silicon by Calorimetry. , 2014, , 449-454.		0
88	Injected nanoparticles: The combination of experimental systems to assess cardiovascular adverse effects. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 64-72.	4.3	17
89	Poly(methyl vinyl etherâ€altâ€maleic acid)â€Functionalized Porous Silicon Nanoparticles for Enhanced Stability and Cellular Internalization. Macromolecular Rapid Communications, 2014, 35, 624-629.	3.9	42
90	Microfluidic Assembly of Monodisperse Multistage pHâ€Responsive Polymer/Porous Silicon Composites for Precisely Controlled Multiâ€Drug Delivery. Small, 2014, 10, 2029-2038.	10.0	105

#	Article	IF	Citations
91	Fabrication of a Multifunctional Nanoâ€inâ€micro Drug Delivery Platform by Microfluidic Templated Encapsulation of Porous Silicon in Polymer Matrix. Advanced Materials, 2014, 26, 4497-4503.	21.0	138
92	Characterization of Porous Silicon by Calorimetry. , 2014, , 1-6.		0
93	Microfluidic assembly of multistage porous siliconâ€“lipid vesicles for controlled drug release. Lab on A Chip, 2014, 14, 1083-1086.	6.0	75
94	Amine-modified hyaluronic acid-functionalized porous silicon nanoparticles for targeting breast cancer tumors. Nanoscale, 2014, 6, 10377-10387.	5.6	108
95	Coherent anti-Stokes Raman scattering microscopy driving the future of loaded mesoporous silica imaging. Acta Biomaterialia, 2014, 10, 4870-4877.	8.3	17
96	Confinement Effects on Drugs in Thermally Hydrocarbonized Porous Silicon. Langmuir, 2014, 30, 2196-2205.	3.5	30
97	Selective Optical Response of Hydrolytically Stable Stratified Si Rugate Mirrors to Liquid Infiltration. ACS Applied Materials & Interfaces, 2014, 6, 2884-2892.	8.0	18
98	Nitric oxide-releasing porous silicon nanoparticles. Nanoscale Research Letters, 2014, 9, 333.	5.7	45
99	Drug Delivery with Porous Silicon. , 2014, , 1-11.		0
100	Nanocarriers and the delivered drug: Effect interference due to intravenous administration. European Journal of Pharmaceutical Sciences, 2014, 63, 96-102.	4.0	10
101	Electroencapsulation of Porous Silicon. , 2014, , 665-669.		0
102	Inhibition of Influenza A Virus Infection in Vitro by Saliphenylhalamide-Loaded Porous Silicon Nanoparticles. ACS Nano, 2013, 7, 6884-6893.	14.6	71
103	Co-delivery of a hydrophobic small molecule and a hydrophilic peptide by porous silicon nanoparticles. Journal of Controlled Release, 2013, 170, 268-278.	9.9	141
104	Development of Porous Silicon Nanocarriers for Parenteral Peptide Delivery. Molecular Pharmaceutics, 2013, 10, 353-359.	4.6	65
105	Isomerization of Î±-Pinene Oxide Over Iron-Modified Zeolites. Topics in Catalysis, 2013, 56, 696-713.	2.8	33
106	One-step method for measuring the effect of humidity on powder resistivity. Journal of Electrostatics, 2013, 71, 159-164.	1.9	7
107	Nanostructured Porous Siliconâ€Solid Lipid Nanocomposite: Towards Enhanced Cytocompatibility and Stability, Reduced Cellular Association, and Prolonged Drug Release. Advanced Functional Materials, 2013, 23, 1893-1902.	14.9	72
108	Isomerization of Î²-pinene oxide over Sn-modified zeolites. Journal of Molecular Catalysis A, 2013, 366, 228-237.	4.8	28

#	Article	IF	Citations
109	Ferromagnetism induced in ZnO nanorods by morphology changes under a nitrogenâ€“carbon atmosphere. RSC Advances, 2013, 3, 12945.	3.6	9
110	Microfluidic Templated Mesoporous Siliconâ€“Solid Lipid Microcomposites for Sustained Drug Delivery. ACS Applied Materials & Interfaces, 2013, 5, 12127-12134.	8.0	45
111	Nanostructured porous silicon in preclinical imaging: Moving from bench to bedside. Journal of Materials Research, 2013, 28, 152-164.	2.6	54
112	Functionalization of Mesoporous Silicon Nanoparticles for Targeting and Bioimaging Purposes. Journal of Nanomaterials, 2012, 2012, 1-9.	2.7	52
113	Native and Complexed IGF-1: Biodistribution and Pharmacokinetics in Infantile Neuronal Ceroid Lipofuscinosis. Journal of Drug Delivery, 2012, 2012, 1-8.	2.5	11
114	Intravenous Delivery of Hydrophobin-Functionalized Porous Silicon Nanoparticles: Stability, Plasma Protein Adsorption and Biodistribution. Molecular Pharmaceutics, 2012, 9, 654-663.	4.6	146
115	Amine Modification of Thermally Carbonized Porous Silicon with Silane Coupling Chemistry. Langmuir, 2012, 28, 14045-14054.	3.5	108
116	Porous silicon micro- and nanoparticles for printed humidity sensors. Applied Physics Letters, 2012, 101, .	3.3	29
117	New times, new trends for ethionamide: In vitro evaluation of drug-loaded thermally carbonized porous silicon microparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 81, 314-323.	4.3	37
118	Dual-capillary electroencapsulation of mesoporous silicon drug carrier particles for controlled oral drug delivery. Journal of Electrostatics, 2012, 70, 428-437.	1.9	8
119	Thermally promoted addition of undecylenic acid on thermally hydrocarbonized porous silicon optical reflectors. Nanoscale Research Letters, 2012, 7, 311.	5.7	20
120	Surface Chemistry, Reactivity, and Pore Structure of Porous Silicon Oxidized by Various Methods. Langmuir, 2012, 28, 10573-10583.	3.5	82
121	Cellular interactions of surface modified nanoporous silicon particles. Nanoscale, 2012, 4, 3184.	5.6	63
122	Excitation effects and luminescence stability in porous SiO₂:C layers. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1015-1021.	1.8	11
123	Tablet preformulations of indomethacin-loaded mesoporous silicon microparticles. International Journal of Pharmaceutics, 2012, 422, 125-131.	5.2	31
124	Effect of isotonic solutions and peptide adsorption on zeta potential of porous silicon nanoparticle drug delivery formulations. International Journal of Pharmaceutics, 2012, 431, 230-236.	5.2	82
125	Mesoporous Silicon (PSi) for Sustained Peptide Delivery: Effect of PSi Microparticle Surface Chemistry on Peptide YY3-36 Release. Pharmaceutical Research, 2012, 29, 837-846.	3.5	79
126	¹⁸F-Labeled Modified Porous Silicon Particles for Investigation of Drug Delivery Carrier Distribution in Vivo with Positron Emission Tomography. Molecular Pharmaceutics, 2011, 8, 1799-1806.	4.6	65

#	Article	IF	Citations
127	Nanostructured porous silicon microparticles enable sustained peptide (Melanotan II) delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 20-25.	4.3	61
128	Structural considerations on multistopband mesoporous silicon rugate filters prepared for gas sensing purposes. Optics Express, 2011, 19, 13291.	3.4	15
129	In Vitro Dissolution Methods for Hydrophilic and Hydrophobic Porous Silicon Microparticles. Pharmaceutics, 2011, 3, 315-325.	4.5	10
130	Physicochemical stability of high indomethacin payload ordered mesoporous silica MCM-41 and SBA-15 microparticles. International Journal of Pharmaceutics, 2011, 416, 242-51.	5.2	50
131	Functional hydrophobin-coating of thermally hydrocarbonized porous silicon microparticles. Biomaterials, 2011, 32, 9089-9099.	11.4	71
132	Utilising thermoporometry to obtain new insights into nanostructured materials. Journal of Thermal Analysis and Calorimetry, 2011, 105, 811-821.	3.6	58
133	Utilising thermoporometry to obtain new insights into nanostructured materials. Journal of Thermal Analysis and Calorimetry, 2011, 105, 823-830.	3.6	41
134	Drug Delivery Formulations of Ordered and Nonordered Mesoporous Silica: Comparison of Three Drug Loading Methods. Journal of Pharmaceutical Sciences, 2011, 100, 3294-3306.	3.3	144
135	Drug permeation across intestinal epithelial cells using porous silicon nanoparticles. Biomaterials, 2011, 32, 2625-2633.	11.4	157
136	Comparison of mesoporous silicon and non-ordered mesoporous silica materials as drug carriers for itraconazole. International Journal of Pharmaceutics, 2011, 414, 148-156.	5.2	124
137	Multifunctional Porous Silicon for Therapeutic Drug Delivery and Imaging. Current Drug Discovery Technologies, 2011, 8, 228-249.	1.2	97
138	Electro-optical porous silicon gas sensor with enhanced selectivity. Sensors and Actuators B: Chemical, 2010, 147, 100-104.	7.8	36
139	Porous Siliconâ€Based Optical Microsensors for Volatile Organic Analytes: Effect of Surface Chemistry on Stability and Specificity. Advanced Functional Materials, 2010, 20, 2874-2883.	14.9	92
140	Calorimetric determination of dissolution enthalpy with a novel flow-through method. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 821-825.	2.8	3
141	In vitro cytotoxicity of porous silicon microparticles: Effect of the particle concentration, surface chemistry and size. Acta Biomaterialia, 2010, 6, 2721-2731.	8.3	158
142	Cytotoxicity study of ordered mesoporous silica MCM-41 and SBA-15 microparticles on Caco-2 cells. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 74, 483-494.	4.3	87
143	Biocompatibility of Thermally Hydrocarbonized Porous Silicon Nanoparticles and their Biodistribution in Rats. ACS Nano, 2010, 4, 3023-3032.	14.6	316
144	Semimetallic TiO₂ Nanotubes. Angewandte Chemie - International Edition, 2009, 48, 7236-7239.	13.8	133

#	Article	IF	Citations
145	A Novel Method of Quantifying the u-Shaped Pores in SBA-15. Journal of Physical Chemistry C, 2009, 113, 20349-20354.	3.1	10
146	Optical gas sensing properties of thermally hydrocarbonized porous silicon Bragg reflectors. Optics Express, 2009, 17, 5446.	3.4	60
147	Determination of the Physical State of Drug Molecules in Mesoporous Silicon with Different Surface Chemistries. Langmuir, 2009, 25, 6137-6142.	3.5	73
148	Fabrication and chemical surface modification of mesoporous silicon for biomedical applications. Chemical Engineering Journal, 2008, 137, 162-172.	12.7	152
149	Mesoporous Silicon in Drug Delivery Applications. Journal of Pharmaceutical Sciences, 2008, 97, 632-653.	3.3	398
150	Electrically isolated thermally carbonized porous silicon layer for humidity sensing purposes. Sensors and Actuators B: Chemical, 2008, 131, 627-632.	7.8	18
151	Nano-Order Structural Analysis of White Light-Emitting Silicon Oxide Prepared by Successive Thermal Carbonization/Oxidation of the Porous Silicon. Materials Science Forum, 2007, 561-565, 1127-1130.	0.3	5
152	Strong White Photoluminescence from Carbon-Incorporated Silicon Oxide Fabricated by Preferential Oxidation of Silicon in Nano-Structured Si:C Layer. Japanese Journal of Applied Physics, 2007, 46, L465-L467.	1.5	30
153	Enhanced in vitro permeation of furosemide loaded into thermally carbonized mesoporous silicon (TCPSi) microparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 66, 348-356.	4.3	83
154	Failure of MTT as a Toxicity Testing Agent for Mesoporous Silicon Microparticles. Chemical Research in Toxicology, 2007, 20, 1913-1918.	3.3	129
155	Carbon doping of self-organized TiO2nanotube layers by thermal acetylene treatment. Nanotechnology, 2007, 18, 105604.	2.6	121
156	Characterization of thermally carbonized porous silicon humidity sensor. Sensors and Actuators A: Physical, 2004, 112, 244-247.	4.1	112
157	Humidity behavior of thermally carbonized porous silicon. Applied Surface Science, 2004, 222, 269-274.	6.1	35
158	Real time detection of photoreactivity in pharmaceutical solids and solutions with isothermal microcalorimetry. Pharmaceutical Research, 1999, 16, 368-373.	3.5	11