Sung Soo Park

List of Publications by Year
in descending order

96	2,603	186265	197818
papers	citations	28 h-index	49 g-index

97	97	97	3571
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Facile synthesis of porous carbon nitride spheres with hierarchical three-dimensional mesostructures for CO2 capture. Nano Research, 2010, 3, 632-642.	10.4	347
2	Facile synthesis of mesoporous carbon nitrides using the incipient wetness method and the application as hydrogen adsorbent. Journal of Materials Chemistry, 2011, 21, 10801.	6.7	172
3	Periodic mesoporous organosilicas for advanced applications. NPG Asia Materials, 2014, 6, e96-e96.	7.9	163
4	Soft-template synthesis of ordered mesoporous carbon/nanoparticle nickel composites with a high surface area. Carbon, 2011, 49, 545-555.	10.3	141
5	Hydrophobic mesoporous materials for immobilization of enzymes. Microporous and Mesoporous Materials, 2009, 124, 76-83.	4.4	101
6	Preparation and characterization of polyimide/mesoporous silica hybrid nanocomposites based on water-soluble poly(amic acid) ammonium salt. European Polymer Journal, 2009, 45, 19-29.	5.4	100
7	A General pHâ€Responsive Supramolecular Nanovalve Based on Mesoporous Organosilica Hollow Nanospheres. Chemistry - A European Journal, 2010, 16, 8641-8646.	3.3	73
8	Bio-inspired, multi-purpose and instant superhydrophobicâ€“superoleophilic lotus leaf powder hybrid microâ€“nanocomposites for selective oil spill capture. Journal of Materials Chemistry A, 2013, 1, 6761.	10.3	64
9	Organicâ€“inorganic hybrid mesoporous silicas: functionalization, pore size, and morphology control. Chemical Record, 2006, 6, 32-42.	5.8	59
10	Magnetic mesoporous silica hybrid nanoparticles for highly selective boron adsorption. Journal of Materials Chemistry A, 2013, 1, 12485.	10.3	59
11	Hollow Mesoporous Functional Hybrid Materials: Fascinating Platforms for Advanced Applications. Advanced Functional Materials, 2018, 28, 1703814.	14.9	57
12	Hydrophobically modified spherical MCM-41 as nanovalve system for controlled drug delivery. Microporous and Mesoporous Materials, 2014, 200, 124-131.	4.4	54
13	Highly efficient and selective adsorption of In3+ on pristine Zn/Al layered double hydroxide (Zn/Al-LDH) from aqueous solutions. Journal of Solid State Chemistry, 2016, 233, 133-142.	2.9	50
14	Recent Advances in Superhydrophobic Nanomaterials and Nanoscale Systems. Journal of Nanoscience and Nanotechnology, 2014, 14, 1441-1462.	0.9	43
15	Periodic mesoporous organosilica (PMO) for catalytic applications. Korean Journal of Chemical Engineering, 2014, 31, 1707-1719.	2.7	41
16	Free-standing and bridged amine-functionalized periodic mesoporous organosilica films. Journal of Materials Chemistry, 2010, 20, 7854.	6.7	38
17	Highly transparent, hydrophobic fluorinated polymethylsiloxane/silica organic-inorganic hybrids for anti-stain coating. Macromolecular Research, 2013, 21, 669-680.	2.4	38
18	Free-Standing Periodic Mesoporous Organosilica Film with a Crystal-like Wall Structure. Chemistry of Materials, 2007, 19, 2709-2711.	6.7	36

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19	Ion-imprinted mesoporous silica hybrids for selective recognition of target metal ions. Microporous and Mesoporous Materials, 2013, 180, 162-171.	4.4	36
20	A highly transparent, amphiphobic, stable and multi-purpose poly(vinyl chloride) metallopolymer for anti-fouling and anti-staining coatings. Journal of Materials Chemistry A, 2013, 1, 12144.	10.3	36
21	Synthesis of periodic mesoporous organosilica with remarkable morphologies. Microporous and Mesoporous Materials, 2001, 46, 257-264.	4.4	33
22	Free-Standing and Oriented Periodic Mesoporous Organosilica Films with Variable Pore Size at the Airâ^'Water Interface. Chemistry of Materials, 2005, 17, 3519-3523.	6.7	33
23	Fast, selective adsorption of Cu2+ from aqueous mixed metal ions solution using 1,4,7-triazacyclononane modified SBA-15 silica adsorbent (SBA-TACN). Journal of Solid State Chemistry, 2014, 211, 191-199.	2.9	33
24	Sulphonic acid functionalized periodic mesoporous organosilica with the bridged bissilylated urea groups for high selective adsorption of cobalt ion from artificial seawater. Microporous and Mesoporous Materials, 2016, 226, 179-190.	4.4	33
25	High-quality free-standing and oriented periodic mesoporous organosilica films grown without a solid substrate at the airâ€"water interface. Chemical Communications, 2004, , 1986-1987.	4.1	31
26	Rhodamine 6G assisted adsorption of metanil yellow over succinamic acid functionalized MCM-41. Dyes and Pigments, 2016, 131, 177-185.	3.7	31
27	Hierarchical mesoporous bio-polymer/silica composites co-templated by trimethyl chitosan and a surfactant for controlled drug delivery. MedChemComm, 2011, 2, 1162.	3.4	30
28	Multifunctional Periodic Mesoporous Organosilicas for Biomolecule Recognition, Biomedical Applications in Cancer Therapy, and Metal Adsorption. European Journal of Inorganic Chemistry, 2013, 2013, 3028-3038.	2.0	28
29	High-quality, oriented and mesostructured organosilica monolith as a potential UV sensor. Microporous and Mesoporous Materials, 2008, 111, 367-378.	4.4	27
30	Synthesis and characterization of hybrid films of polyimide and silica hollow spheres. Macromolecular Research, 2011, 19, 599-607.	2.4	27
31	Adsorption behavior of nicotine on periodic mesoporous organosilicas. Colloids and Surfaces B: Biointerfaces, 2011, 84, 579-584.	5.0	25
32	Free-Standing Mesoporous Silica/Carbon Composite Films with Crystalline Silica Wall from Ethylene-Bridged Organosilane. Chemistry of Materials, 2010, 22, 18-26.	6.7	23
33	Polyethyleneimine-grafted polysilsesquioxane hollow spheres for the highly efficient removal of anionic dyes and selective adsorption of Cr(VI). Journal of Environmental Chemical Engineering, 2021, 9, 104814.	6.7	23
34	Superhydrophobic mesoporous material as a pH-sensitive organic dye adsorbent. Journal of Industrial and Engineering Chemistry, 2015, 22, 288-295.	5.8	21
35	One-pot synthesis of multi-functional magnetiteâ€"polysilsesquioxane hybrid nanoparticles for the selective Fe³⁺ and some heavy metal ions adsorption. RSC Advances, 2017, 7, 19106-19116.	3.6	21
36	Hexadecyltrimethylammonium Bromide Surfactant-Supported Silica Material for the Effective Adsorption of Metanil Yellow Dye. ACS Omega, 2019, 4, 8548-8558.	3.5	21

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37	Silver nanoparticles impregnated pH-responsive nanohybrid system for the catalytic reduction of dyes. Microporous and Mesoporous Materials, 2020, 303, 110260.	4.4	21
38	Polymethylhydrosiloxane-based organicâ€“inorganic hybrids for amphiphobic coatings. Composite Interfaces, 2013, 20, 33-43.	2.3	19
39	Pentane-1,2-dicarboxylic acid functionalized spherical MCM-41: A simple and highly selective heterogeneous ligand for the adsorption of Fe3+ from aqueous solutions. Journal of Environmental Chemical Engineering, 2015, 3, 1918-1927.	6.7	19
40	Organic electroluminescent devices using quantum-size silver nanoparticles. Journal of Materials Science: Materials in Electronics, 2007, 18, 393-397.	2.2	17
41	Hydrophobic periodic mesoporous organosilicas for the adsorption of cytochrome c. Journal of Porous Materials, 2011, 18, 217-223.	2.6	17
42	Mesoporous silica nanoparticles functionalized with a redox-responsive biopolymer. Journal of Porous Materials, 2017, 24, 1215-1225.	2.6	17
43	Pd nanoparticle incorporated mesoporous silicas with excellent catalytic activity and dual responsivity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124074.	4.7	17
44	Role of inorganic salts in the formation of ordered periodic mesoporous organosilicas (PMOs) without extra acids. Microporous and Mesoporous Materials, 2008, 113, 47-55.	4.4	16
45	Folic Acid-Polyethyleneimine Functionalized Mesoporous Silica Nanoparticles as a Controlled Release Nanocarrier. Journal of Nanoscience and Nanotechnology, 2019, 19, 6217-6224.	0.9	16
46	Mesoporous Silica Nanolayers Infiltrated with Hole-Transporting Molecules for Hybrid Organic Light-Emitting Devices. ACS Nano, 2008, 2, 1137-1142.	14.6	15
47	Preparation of superhydrophobic and transparent micro-nano hybrid coatings from polymethylhydroxysiloxane and silica ormosil aerogels. Nano Convergence, 2014, 1, .	12.1	15
48	Adsorption of amino acids on periodic mesoporous organosilicas. Journal of Porous Materials, 2012, 19, 29-35.	2.6	14
49	Functionalized Mesoporous Silicas with Crown Ether Moieties for Selective Adsorption of Lithium Ions in Artificial Sea Water. Journal of Nanoscience and Nanotechnology, 2014, 14, 8845-8851.	0.9	14
50	Zwitterionic functionalised mesoporous silica nanoparticles for alendronate release. Microporous and Mesoporous Materials, 2019, 279, 117-127.	4.4	14
51	Thermally Robust Zirconia Nanorod/Polyimide Hybrid Films as a Highly Flexible Dielectric Material. ACS Applied Nano Materials, 2021, 4, 8217-8230.	5.0	14
52	Microstructure and properties of fully aliphatic polyimide/mesoporous silica hybrid composites. Macromolecular Research, 2009, 17, 638-645.	2.4	13
53	Heterocyclic tri-urea isocyanurate bridged groups modified periodic mesoporous organosilica synthesized for Fe(III) adsorption. Journal of Solid State Chemistry, 2012, 194, 392-399.	2.9	13
54	Direct Synthesis of Zrâ€Containing Hybrid Periodic Mesoporous Organosilicas with Tunable Zirconium Content. European Journal of Inorganic Chemistry, 2007, 2007, 5480-5488.	2.0	12

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55	Highly transparent, organic-inorganic hybrid UV-curable coating materials with amphiphobic characteristics. Progress in Organic Coatings, 2019, 134, 323-332.	3.9	12
56	Polyimide/hollow silica sphere hybrid films with low dielectric constant. Composite Interfaces, 2016, 23, 831-846.	2.3	11
57	Synthesis and functionalisation of mesoporous materials for transparent coatings and organic dye adsorption. New Journal of Chemistry, 2018, 42, 10254-10262.	2.8	11
58	Adsorption of Cr(III) ions using 2-(ureylenemethyl)pyridine functionalized MCM-41. Journal of Porous Materials, 2015, 22, 831-842.	2.6	10
59	pH-Sensitive Drug Delivery System Based on Mesoporous Silica Modified with Poly-L-Lysine (PLL) as a Gatekeeper. Journal of Nanoscience and Nanotechnology, 2020, 20, 6925-6934.	0.9	10
60	The effect of inorganic salt on the synthesis of large-pore PMO with aromatic moieties in the framework. Studies in Surface Science and Catalysis, 2007, 165, 421-424.	1.5	9
61	Fe³⁺-bis-ethylenediamine complex bridged periodic mesoporous organosilica for the efficient removal of arsenate and chromate. Pure and Applied Chemistry, 2018, 90, 869-884.	1.9	8
62	The effect of phosphate treatment on nickel dispersion on MCM-41 mesoporous material. Korean Journal of Chemical Engineering, 2003, 20, 256-261.	2.7	7
63	Camellia japonica-polysiloxane based superhydrophobic hybrid powder for the selective adsorption of metal ions from a mixture of metal ions in artificial sea water. Journal of Porous Materials, 2015, 22, 229-238.	2.6	7
64	Controlled Drug Delivery of Hollow Mesostructured Materials. Advanced Porous Materials, 2013, 1, 4-33.	0.3	7
65	Quantitative incorporation of Pt nanoparticle by coordination of Pt precursor with APTMS-anchored SiMCM-41. Journal of Sol-Gel Science and Technology, 2007, 42, 35-40.	2.4	6
66	Snap-top nanocontainer for selective recovery of nickel ions from seawater. Microporous and Mesoporous Materials, 2017, 238, 27-35.	4.4	6
67	Tunable multi-responsive nano-gated mesoporous silica nanoparticles as drug carriers. Colloids and Surfaces B: Biointerfaces, 2021, 208, 112119.	5.0	6
68	In situ thermosensitive hybrid mesoporous silica: preparation and the catalytic activities for carbonyl compound reduction. Dalton Transactions, 2021, 50, 11730-11741.	3.3	6
69	Polyimide nanohybrid films with electrochemically functionalized graphene. Polymer International, 2019, 68, 1441-1449.	3.1	5
70	One-pot synthesis of alkylammonium-functionalized mesoporous silica hollow spheres in water and films at the airâ€“water interface. Emergent Materials, 2019, 2, 45-58.	5.7	5
71	Synthesis and Properties of Periodic Mesoporous Organosilicas Using Carbazole Precursor for Potential Optical Applications. Molecular Crystals and Liquid Crystals, 2007, 463, 157/[439]-164/[446].	0.9	4
72	Europium Complex Incorporated Mesoporous Silica for a Potential pH Sensor. Molecular Crystals and Liquid Crystals, 2008, 492, 210/[574]-220/[584].	0.9	4

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73	Melamine-Sulfonic Acid Functionalized SBA-15 for Selective Adsorption of Metal Ions from Artificial Seawater and Wastewater. Journal of Nanoscience and Nanotechnology, 2017, 17, 7565-7574.	0.9	4
74	PMOs for Catalytic Applications. Springer Series in Materials Science, 2019, , 125-187.	0.6	4
75	General Synthesis and Physico-chemical Properties of Mesoporous Materials. Springer Series in Materials Science, 2019, , 15-85.	0.6	4
76	Highly Selective Adsorption of Li⁺ Ions from Wastewater by Sulfonic Acid Modified 2,6-(diureylene)pyridine Bridged Periodic Mesoporous Organosilica. Advanced Porous Materials, 2015, 3, 46-56.	0.3	4
77	Rare-Earth Metal Oxide Doped Transparent Mesoporous Silica Plates Under Non-Aqueous Condition as a Potential UV Sensor. Journal of Nanoscience and Nanotechnology, 2013, 13, 7459-7466.	0.9	3
78	Comparative Studies on Drug Delivery Behavior of Mesoporous Silicas. Molecular Crystals and Liquid Crystals, 2014, 600, 70-80.	0.9	3
79	Mesostructures and properties of transparent block copolymer/silica nanocomposite monoliths. Composite Interfaces, 2007, 14, 545-557.	2.3	2
80	Synthetic Routes and New Precursors for the Preparation of PMOs. Springer Series in Materials Science, 2019, , 87-100.	0.6	2
81	PMOs as Hosts for Drug and Biomolecules. Springer Series in Materials Science, 2019, , 189-218.	0.6	2
82	Facile Synthesis of Magnetic Nanoparticles Containing Mesoporous Carbon for the Adsorption of Phenylalanine. Advanced Porous Materials, 2013, 1, 354-361.	0.3	2
83	Synthesis and Photochromic Properties of Dye-Containing and Free-Standing Mesoporous Organosilica Films. Science of Advanced Materials, 2014, 6, 1425-1431.	0.7	2
84	Facile and one-pot synthesis of magnetic nanoparticles containing mesoporous carbon. Molecular Crystals and Liquid Crystals, 2019, 685, 55-63.	0.9	1
85	PMOs for Adsorption. Springer Series in Materials Science, 2019, , 219-266.	0.6	1
86	PMOs with a Range of Morphologies. Springer Series in Materials Science, 2019, , 101-124.	0.6	1
87	Light-Activated Polymer-Coated Mesoporous Silica with Azobenzene Moiety for the Controlled Delivery of Guest Molecules. Journal of Nanoscience and Nanotechnology, 2020, 20, 6935-6942.	0.9	1
88	Transparent and Hard Siloxane Based Hybrid UV-Curable Coating Materials with Amphiphobic Properties. Journal of Nanoscience and Nanotechnology, 2021, 21, 4450-4456.	0.9	1
89	SBA-15 with Crystalline Walls Produced via Thermal Treatment with the Alkali and Alkali Earth Metal Ions. Materials, 2021, 14, 5270.	2.9	1
90	Cover Image, Volume 68, Issue 8. Polymer International, 2019, 68, i.	3.1	0

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91	Functionalized and Monodispersed Mesoporous Silica Nanospheres with a Schiff-Base for Metal Ion Adsorption. Journal of Nanoscience and Nanotechnology, 2019, 19, 6239-6246.	0.9	0
92	Electronic and Optical Applications. Springer Series in Materials Science, 2019, , 275-291.	0.6	0
93	Functionalized Mesoporous Silica for Highly Selective Sensing of Iron Ion in Water. Journal of Nanoscience and Nanotechnology, 2021, 21, 4406-4411.	0.9	0
94	Crown-Ether-Modified SBA-15 for the Adsorption of Cr(VI) and Zn(II) from Water. Materials, 2021, 14, 5060.	2.9	0
95	FACILE SYNTHESIS OF FREE-STANDING PMO FILMS WITH AMORPHOUS AND CRYSTAL-LIKE WALL STRUCTURE. , 2008, , .		0
96	Synthesis of Hollow Mesoporous Carbon Nitride Spheres Using Polystyrene Spheres as Template. Adhesion and Interface, 2014, 15, 63-68.	0.3	0