

# Sung Soo Park

## List of Publications by Year in descending order

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96  
papers

2,603  
citations

186265  
28  
h-index

197818  
49  
g-index

97  
all docs

97  
docs citations

97  
times ranked

3571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyethyleneimine-grafted polysilsesquioxane hollow spheres for the highly efficient removal of anionic dyes and selective adsorption of Cr(VI). <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104814.	6.7	23
2	Thermally Robust Zirconia Nanorod/Polyimide Hybrid Films as a Highly Flexible Dielectric Material. <i>ACS Applied Nano Materials</i> , 2021, 4, 8217-8230.	5.0	14
3	Functionalized Mesoporous Silica for Highly Selective Sensing of Iron Ion in Water. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4406-4411.	0.9	0
4	Transparent and Hard Siloxane Based Hybrid UV-Curable Coating Materials with Amphiphobic Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4450-4456.	0.9	1
5	SBA-15 with Crystalline Walls Produced via Thermal Treatment with the Alkali and Alkali Earth Metal Ions. <i>Materials</i> , 2021, 14, 5270.	2.9	1
6	Crown-Ether-Modified SBA-15 for the Adsorption of Cr(VI) and Zn(II) from Water. <i>Materials</i> , 2021, 14, 5060.	2.9	0
7	Tunable multi-responsive nano-gated mesoporous silica nanoparticles as drug carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112119.	5.0	6
8	<i>In situ</i> thermosensitive hybrid mesoporous silica: preparation and the catalytic activities for carbonyl compound reduction. <i>Dalton Transactions</i> , 2021, 50, 11730-11741.	3.3	6
9	Pd nanoparticle incorporated mesoporous silicas with excellent catalytic activity and dual responsivity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124074.	4.7	17
10	pH-Sensitive Drug Delivery System Based on Mesoporous Silica Modified with Poly-L-Lysine (PLL) as a Gatekeeper. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 6925-6934.	0.9	10
11	Light-Activated Polymer-Coated Mesoporous Silica with Azobenzene Moiety for the Controlled Delivery of Guest Molecules. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 6935-6942.	0.9	1
12	Silver nanoparticles impregnated pH-responsive nanohybrid system for the catalytic reduction of dyes. <i>Microporous and Mesoporous Materials</i> , 2020, 303, 110260.	4.4	21
13	Cover Image, Volume 68, Issue 8. <i>Polymer International</i> , 2019, 68, i.	3.1	0
14	Facile and one-pot synthesis of magnetic nanoparticles containing mesoporous carbon. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 685, 55-63.	0.9	1
15	Highly transparent, organic-inorganic hybrid UV-curable coating materials with amphiphobic characteristics. <i>Progress in Organic Coatings</i> , 2019, 134, 323-332.	3.9	12
16	Functionalized and Monodispersed Mesoporous Silica Nanospheres with a Schiff-Base for Metal Ion Adsorption. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 6239-6246.	0.9	0
17	Hexadecyltrimethylammonium Bromide Surfactant-Supported Silica Material for the Effective Adsorption of Metanil Yellow Dye. <i>ACS Omega</i> , 2019, 4, 8548-8558.	3.5	21
18	Folic Acid-Polyethyleneimine Functionalized Mesoporous Silica Nanoparticles as a Controlled Release Nanocarrier. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 6217-6224.	0.9	16

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19	Polyimide nanohybrid films with electrochemically functionalized graphene. <i>Polymer International</i> , 2019, 68, 1441-1449.	3.1	5
20	One-pot synthesis of alkylammonium-functionalized mesoporous silica hollow spheres in water and films at the air-water interface. <i>Emergent Materials</i> , 2019, 2, 45-58.	5.7	5
21	Zwitterionic functionalised mesoporous silica nanoparticles for alendronate release. <i>Microporous and Mesoporous Materials</i> , 2019, 279, 117-127.	4.4	14
22	Synthetic Routes and New Precursors for the Preparation of PMOs. <i>Springer Series in Materials Science</i> , 2019, , 87-100.	0.6	2
23	PMOs for Adsorption. <i>Springer Series in Materials Science</i> , 2019, , 219-266.	0.6	1
24	PMOs for Catalytic Applications. <i>Springer Series in Materials Science</i> , 2019, , 125-187.	0.6	4
25	PMOs as Hosts for Drug and Biomolecules. <i>Springer Series in Materials Science</i> , 2019, , 189-218.	0.6	2
26	General Synthesis and Physico-chemical Properties of Mesoporous Materials. <i>Springer Series in Materials Science</i> , 2019, , 15-85.	0.6	4
27	PMOs with a Range of Morphologies. <i>Springer Series in Materials Science</i> , 2019, , 101-124.	0.6	1
28	Electronic and Optical Applications. <i>Springer Series in Materials Science</i> , 2019, , 275-291.	0.6	0
29	Fe <sup>3+</sup> -bis-ethylenediamine complex bridged periodic mesoporous organosilica for the efficient removal of arsenate and chromate. <i>Pure and Applied Chemistry</i> , 2018, 90, 869-884.	1.9	8
30	Hollow Mesoporous Functional Hybrid Materials: Fascinating Platforms for Advanced Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1703814.	14.9	57
31	Synthesis and functionalisation of mesoporous materials for transparent coatings and organic dye adsorption. <i>New Journal of Chemistry</i> , 2018, 42, 10254-10262.	2.8	11
32	Snap-top nanocontainer for selective recovery of nickel ions from seawater. <i>Microporous and Mesoporous Materials</i> , 2017, 238, 27-35.	4.4	6
33	Mesoporous silica nanoparticles functionalized with a redox-responsive biopolymer. <i>Journal of Porous Materials</i> , 2017, 24, 1215-1225.	2.6	17
34	One-pot synthesis of multi-functional magnetite-polysilsesquioxane hybrid nanoparticles for the selective Fe <sup>3+</sup> and some heavy metal ions adsorption. <i>RSC Advances</i> , 2017, 7, 19106-19116.	3.6	21
35	Melamine-Sulfonic Acid Functionalized SBA-15 for Selective Adsorption of Metal Ions from Artificial Seawater and Wastewater. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 7565-7574.	0.9	4
36	Polyimide/hollow silica sphere hybrid films with low dielectric constant. <i>Composite Interfaces</i> , 2016, 23, 831-846.	2.3	11

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37	Rhodamine 6G assisted adsorption of metanil yellow over succinamic acid functionalized MCM-41. <i>Dyes and Pigments</i> , 2016, 131, 177-185.	3.7	31
38	Sulphonic acid functionalized periodic mesoporous organosilica with the bridged bisilylated urea groups for high selective adsorption of cobalt ion from artificial seawater. <i>Microporous and Mesoporous Materials</i> , 2016, 226, 179-190.	4.4	33
39	Highly efficient and selective adsorption of In <sup>3+</sup> on pristine Zn/Al layered double hydroxide (Zn/Al-LDH) from aqueous solutions. <i>Journal of Solid State Chemistry</i> , 2016, 233, 133-142.	2.9	50
40	Camellia japonica-polysiloxane based superhydrophobic hybrid powder for the selective adsorption of metal ions from a mixture of metal ions in artificial sea water. <i>Journal of Porous Materials</i> , 2015, 22, 229-238.	2.6	7
41	Superhydrophobic mesoporous material as a pH-sensitive organic dye adsorbent. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 22, 288-295.	5.8	21
42	Adsorption of Cr(III) ions using 2-(ureylenemethyl)pyridine functionalized MCM-41. <i>Journal of Porous Materials</i> , 2015, 22, 831-842.	2.6	10
43	Pentane-1,2-dicarboxylic acid functionalized spherical MCM-41: A simple and highly selective heterogeneous ligand for the adsorption of Fe <sup>3+</sup> from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1918-1927.	6.7	19
44	Highly Selective Adsorption of Li <sup>+</sup> and Na <sup>+</sup> Ions from Wastewater by Sulfonic Acid Modified 2,6-(diureylene)pyridine Bridged Periodic Mesoporous Organosilica. <i>Advanced Porous Materials</i> , 2015, 3, 46-56.	0.3	4
45	Preparation of superhydrophobic and transparent micro-nano hybrid coatings from polymethylhydroxysiloxane and silica ormosil aerogels. <i>Nano Convergence</i> , 2014, 1, .	12.1	15
46	Recent Advances in Superhydrophobic Nanomaterials and Nanoscale Systems. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 1441-1462.	0.9	43
47	Functionalized Mesoporous Silicas with Crown Ether Moieties for Selective Adsorption of Lithium Ions in Artificial Sea Water. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8845-8851.	0.9	14
48	Comparative Studies on Drug Delivery Behavior of Mesoporous Silicas. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 600, 70-80.	0.9	3
49	Fast, selective adsorption of Cu <sup>2+</sup> from aqueous mixed metal ions solution using 1,4,7-triazacyclononane modified SBA-15 silica adsorbent (SBA-TACN). <i>Journal of Solid State Chemistry</i> , 2014, 211, 191-199.	2.9	33
50	Periodic mesoporous organosilica (PMO) for catalytic applications. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 1707-1719.	2.7	41
51	Hydrophobically modified spherical MCM-41 as nanovalve system for controlled drug delivery. <i>Microporous and Mesoporous Materials</i> , 2014, 200, 124-131.	4.4	54
52	Periodic mesoporous organosilicas for advanced applications. <i>NPG Asia Materials</i> , 2014, 6, e96-e96.	7.9	163
53	Synthesis and Photochromic Properties of Dye-Containing and Free-Standing Mesoporous Organosilica Films. <i>Science of Advanced Materials</i> , 2014, 6, 1425-1431.	0.7	2
54	Synthesis of Hollow Mesoporous Carbon Nitride Spheres Using Polystyrene Spheres as Template. <i>Adhesion and Interface</i> , 2014, 15, 63-68.	0.3	0

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55	Highly transparent, hydrophobic fluorinated polymethylsiloxane/silica organic-inorganic hybrids for anti-stain coating. <i>Macromolecular Research</i> , 2013, 21, 669-680.	2.4	38
56	Ion-imprinted mesoporous silica hybrids for selective recognition of target metal ions. <i>Microporous and Mesoporous Materials</i> , 2013, 180, 162-171.	4.4	36
57	A highly transparent, amphiphobic, stable and multi-purpose poly(vinyl chloride) metallopolymer for anti-fouling and anti-staining coatings. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12144.	10.3	36
58	Multifunctional Periodic Mesoporous Organosilicas for Biomolecule Recognition, Biomedical Applications in Cancer Therapy, and Metal Adsorption. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3028-3038.	2.0	28
59	Bio-inspired, multi-purpose and instant superhydrophobic "superoleophilic lotus leaf powder hybrid micro"nanocomposites for selective oil spill capture. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6761.	10.3	64
60	Rare-Earth Metal Oxide Doped Transparent Mesoporous Silica Plates Under Non-Aqueous Condition as a Potential UV Sensor. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 7459-7466.	0.9	3
61	Polymethylhydrosiloxane-based organic-inorganic hybrids for amphiphobic coatings. <i>Composite Interfaces</i> , 2013, 20, 33-43.	2.3	19
62	Magnetic mesoporous silica hybrid nanoparticles for highly selective boron adsorption. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12485.	10.3	59
63	Controlled Drug Delivery of Hollow Mesostructured Materials. <i>Advanced Porous Materials</i> , 2013, 1, 4-33.	0.3	7
64	Facile Synthesis of Magnetic Nanoparticles Containing Mesoporous Carbon for the Adsorption of Phenylalanine. <i>Advanced Porous Materials</i> , 2013, 1, 354-361.	0.3	2
65	Heterocyclic tri-urea isocyanurate bridged groups modified periodic mesoporous organosilica synthesized for Fe(III) adsorption. <i>Journal of Solid State Chemistry</i> , 2012, 194, 392-399.	2.9	13
66	Adsorption of amino acids on periodic mesoporous organosilicas. <i>Journal of Porous Materials</i> , 2012, 19, 29-35.	2.6	14
67	Hierarchical mesoporous bio-polymer/silica composites co-templated by trimethyl chitosan and a surfactant for controlled drug delivery. <i>MedChemComm</i> , 2011, 2, 1162.	3.4	30
68	Facile synthesis of mesoporous carbon nitrides using the incipient wetness method and the application as hydrogen adsorbent. <i>Journal of Materials Chemistry</i> , 2011, 21, 10801.	6.7	172
69	Hydrophobic periodic mesoporous organosilicas for the adsorption of cytochrome c. <i>Journal of Porous Materials</i> , 2011, 18, 217-223.	2.6	17
70	Synthesis and characterization of hybrid films of polyimide and silica hollow spheres. <i>Macromolecular Research</i> , 2011, 19, 599-607.	2.4	27
71	Soft-template synthesis of ordered mesoporous carbon/nanoparticle nickel composites with a high surface area. <i>Carbon</i> , 2011, 49, 545-555.	10.3	141
72	Adsorption behavior of nicotine on periodic mesoporous organosilicas. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 579-584.	5.0	25

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73	Facile synthesis of porous carbon nitride spheres with hierarchical three-dimensional mesostructures for CO <sub>2</sub> capture. <i>Nano Research</i> , 2010, 3, 632-642.	10.4	347
74	A General pH-Responsive Supramolecular Nanovalve Based on Mesoporous Organosilica Hollow Nanospheres. <i>Chemistry - A European Journal</i> , 2010, 16, 8641-8646.	3.3	73
75	Free-Standing Mesoporous Silica/Carbon Composite Films with Crystalline Silica Wall from Ethylene-Bridged Organosilane. <i>Chemistry of Materials</i> , 2010, 22, 18-26.	6.7	23
76	Free-standing and bridged amine-functionalized periodic mesoporous organosilica films. <i>Journal of Materials Chemistry</i> , 2010, 20, 7854.	6.7	38
77	Microstructure and properties of fully aliphatic polyimide/mesoporous silica hybrid composites. <i>Macromolecular Research</i> , 2009, 17, 638-645.	2.4	13
78	Hydrophobic mesoporous materials for immobilization of enzymes. <i>Microporous and Mesoporous Materials</i> , 2009, 124, 76-83.	4.4	101
79	Preparation and characterization of polyimide/mesoporous silica hybrid nanocomposites based on water-soluble poly(amic acid) ammonium salt. <i>European Polymer Journal</i> , 2009, 45, 19-29.	5.4	100
80	High-quality, oriented and mesostructured organosilica monolith as a potential UV sensor. <i>Microporous and Mesoporous Materials</i> , 2008, 111, 367-378.	4.4	27
81	Role of inorganic salts in the formation of ordered periodic mesoporous organosilicas (PMOs) without extra acids. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 47-55.	4.4	16
82	Europium Complex Incorporated Mesoporous Silica for a Potential pH Sensor. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 492, 210/[574]-220/[584].	0.9	4
83	Mesoporous Silica Nanolayers Infiltrated with Hole-Transporting Molecules for Hybrid Organic Light-Emitting Devices. <i>ACS Nano</i> , 2008, 2, 1137-1142.	14.6	15
84	FACILE SYNTHESIS OF FREE-STANDING PMO FILMS WITH AMORPHOUS AND CRYSTAL-LIKE WALL STRUCTURE. , 2008, , .		0
85	Synthesis and Properties of Periodic Mesoporous Organosilicas Using Carbazole Precursor for Potential Optical Applications. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 463, 157/[439]-164/[446].	0.9	4
86	The effect of inorganic salt on the synthesis of large-pore PMO with aromatic moieties in the framework. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 421-424.	1.5	9
87	Mesostructures and properties of transparent block copolymer/silica nanocomposite monoliths. <i>Composite Interfaces</i> , 2007, 14, 545-557.	2.3	2
88	Free-Standing Periodic Mesoporous Organosilica Film with a Crystal-like Wall Structure. <i>Chemistry of Materials</i> , 2007, 19, 2709-2711.	6.7	36
89	Direct Synthesis of Zr-Containing Hybrid Periodic Mesoporous Organosilicas with Tunable Zirconium Content. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5480-5488.	2.0	12
90	Quantitative incorporation of Pt nanoparticle by coordination of Pt precursor with APTMS-anchored SiMCM-41. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 42, 35-40.	2.4	6

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91	Organic electroluminescent devices using quantum-size silver nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2007, 18, 393-397.	2.2	17
92	Organic-inorganic hybrid mesoporous silicas: functionalization, pore size, and morphology control. <i>Chemical Record</i> , 2006, 6, 32-42.	5.8	59
93	Free-Standing and Oriented Periodic Mesoporous Organosilica Films with Variable Pore Size at the Air-Water Interface. <i>Chemistry of Materials</i> , 2005, 17, 3519-3523.	6.7	33
94	High-quality free-standing and oriented periodic mesoporous organosilica films grown without a solid substrate at the air-water interface. <i>Chemical Communications</i> , 2004, , 1986-1987.	4.1	31
95	The effect of phosphate treatment on nickel dispersion on MCM-41 mesoporous material. <i>Korean Journal of Chemical Engineering</i> , 2003, 20, 256-261.	2.7	7
96	Synthesis of periodic mesoporous organosilica with remarkable morphologies. <i>Microporous and Mesoporous Materials</i> , 2001, 46, 257-264.	4.4	33