Sang Moon Lee

List of Publications by Year
in descending order

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82	2,820	172457	189892
papers	citations	29 h-index	50 g-index

85	85	85	3432
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxidation Control of 5-Hydroxymethylfurfural to Polymer Building Blocks by Au Clusters and Nanoparticles on Hollow CeO₂ Spheres. ACS Applied Nano Materials, 2022, 5, 4603-4608.	5.0	4
2	Waste-induced pyrolytic carbon nanotube forest as a catalytic host electrode for high-performance aluminum metal anodes. Chemical Engineering Journal, 2022, 437, 135416.	12.7	11
3	Unveiling the pseudocapacitive effects of ultramesopores on nanoporous carbon. Applied Surface Science, 2021, 537, 148037.	6.1	9
4	Carbon black nanoparticle trapping: a strategy to realize the true energy storage potential of redox-active conjugated microporous polymers. Journal of Materials Chemistry A, 2021, 9, 17978-17984.	10.3	4
5	Defect-rich CeO₂ in a hollow carbon matrix engineered from a microporous organic platform: a hydroxide-assisted high performance pseudocapacitive material. Nanoscale, 2021, 13, 18173-18181.	5.6	1
6	Triboelectric energy harvesting using conjugated microporous polymer nanoparticles in polyurethane films. Journal of Materials Chemistry A, 2021, 9, 12560-12565.	10.3	12
7	Concomitant shape and palladium engineering of hollow conjugated microporous photocatalysts to boost visible light-induced hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 22262-22268.	10.3	7
8	Valorization of Click-Based Microporous Organic Polymer: Generation of Mesoionic Carbeneâ€“Rh Species for the Stereoselective Synthesis of Poly(arylacetylene)s. Journal of the American Chemical Society, 2021, 143, 4100-4105.	13.7	15
9	Roomâ€Temperature Synthesis of a Hollow Microporous Organic Polymer Bearing Activated Alkyne IR Probes for Nonradical Thiolâ€yne Clickâ€Based Postâ€Functionalization. Chemistry - an Asian Journal, 2021, 16, 1398-1402.	3.3	8
10	Relationship between Multivalent Cation Charge Carriers and Organic Solvents on Nanoporous Carbons in 4ÂVâ€Window Magnesium Ion Supercapacitors. Advanced Energy Materials, 2021, 11, 2101054.	19.5	12
11	Relationship between Multivalent Cation Charge Carriers and Organic Solvents on Nanoporous Carbons in 4ÂVâ€Window Magnesium Ion Supercapacitors (Adv. Energy Mater. 30/2021). Advanced Energy Materials, 2021, 11, 2170122.	19.5	0
12	The performance of green carbon as a backbone for hydrogen storage materials. International Journal of Hydrogen Energy, 2020, 45, 10516-10522.	7.1	11
13	Iron Coordination to Hollow Microporous Metalâ€Free Disalphen Networks: Heterogeneous Iron Catalysts for CO₂ Fixation to Cyclic Carbonates. Chemistry - A European Journal, 2020, 26, 788-794.	3.3	14
14	AB₂ polymerization on hollow microporous organic polymers: engineering of solid acid catalysts for the synthesis of soluble cellulose derivatives. Polymer Chemistry, 2020, 11, 789-794.	3.9	8
15	Electrolyteâ€Dependent Sodium Ion Transport Behaviors in Hard Carbon Anode. Small, 2020, 16, 2001053.	10.0	22
16	Fe₃O₄@Void@Microporous Organic Polymer-Based Multifunctional Drug Delivery Systems: Targeting, Imaging, and Magneto-Thermal Behaviors. ACS Applied Materials & Interfaces, 2020, 12, 37628-37636.	8.0	30
17	Effect of hydrogenated iron oxide nanoparticles with regular spherical shape by underwater plasma discharge treatment for high-efficiency water purification. Ceramics International, 2020, 46, 23582-23591.	4.8	5
18	Concomitant Covalent and Noncovalent Assembly: Self-Assembly of Sublimable Caffeine in the Formation of Microporous Organic Polymer for Morphology Evolution and Enhanced Performance. ACS Sustainable Chemistry and Engineering, 2020, 8, 13900-13907.	6.7	5

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19	Effect of Oxygen for Enhancing the Gas Storage Performance of Activated Green Carbon. Energies, 2020, 13, 3893.	3.1	2
20	Visible light-driven Suzukiâ€“Miyaura reaction by self-supported Pd nanocatalysts in the formation of Stille coupling-based photoactive microporous organic polymers. Catalysis Science and Technology, 2020, 10, 5535-5543.	4.1	11
21	Fabrication of Poly(ethylene terephthalate) Fiber@Microporous Organic Polymer with Amino Groups@Cu Films for Flexible and Metal-Economical Electromagnetic Interference Shielding Materials. Langmuir, 2020, 36, 8745-8752.	3.5	11
22	Nanoparticulate Conjugated Microporous Polymer with Postâ€Modified Benzils for Enhanced Pseudocapacitor Performance. Chemistry - A European Journal, 2020, 26, 12343-12348.	3.3	17
23	Microporous Organic Nanoparticles Anchoring CeO₂ Materials: Reduced Toxicity and Efficient Reactive Oxygen Speciesâ€Scavenging for Regenerative Wound Healing. ChemNanoMat, 2020, 6, 1104-1110.	2.8	13
24	Morphology engineering of a Suzuki coupling-based microporous organic polymer (MOP) using a Sonogashira coupling-based MOP for enhanced nitrophenol sensing in water. Chemical Communications, 2019, 55, 9515-9518.	4.1	10
25	Colloidal Template Synthesis of Nanomaterials by Using Microporous Organic Nanoparticles: The Case of C@MoS 2 Nanoadsorbents. Chemistry - an Asian Journal, 2019, 14, 3173-3180.	3.3	12
26	Microporous organic polymer-induced gel electrolytes for enhanced operation stability of electrochromic devices. Polymer Chemistry, 2019, 10, 455-459.	3.9	7
27	Hyper-Cross-Linked Polymer on the Hollow Conjugated Microporous Polymer Platform: A Heterogeneous Catalytic System for Poly(caprolactone) Synthesis. ACS Macro Letters, 2019, 8, 687-693.	4.8	28
28	Microporous organic network nanoparticles for dual chemo-photodynamic cancer therapy. Journal of Materials Chemistry B, 2019, 7, 4118-4123.	5.8	5
29	Aligned Tubular Conjugated Microporous Polymer Films for the Aggregationâ€Induced Emissionâ€Based Sensing of Explosives. Macromolecular Chemistry and Physics, 2019, 220, 1900157.	2.2	12
30	Nanoparticulate and microporous solid acid catalysts bearing aliphatic sulfonic acids for biomass conversion. Chemical Communications, 2019, 55, 3697-3700.	4.1	16
31	Noncovalent and covalent double assembly: unravelling a unified mechanism for the tubular shape evolution of microporous organic polymers. Journal of Materials Chemistry A, 2019, 7, 7859-7866.	10.3	11
32	Triple-, Double-, and Single-Shelled Hollow Spheres of Sulfonated Microporous Organic Network as Drug Delivery Materials. Chemistry of Materials, 2019, 31, 300-304.	6.7	42
33	Nanoporous Organic Network Coating of Nanostructured Polymer Films with Enhanced Adsorption Performance toward Particulate Matter. ACS Applied Materials & Interfaces, 2019, 11, 1748-1753.	8.0	9
34	Network-controlled unique reactivities of carbonyl groups in hollow and microporous organic polymer. Chemical Communications, 2018, 54, 5134-5137.	4.1	16
35	Microporous Porphyrin Networks Mimicking a Velvet Worm Surface and Their Enhanced Sensitivities toward Hydrogen Chloride and Ammonia. ACS Applied Materials & Interfaces, 2018, 10, 6815-6819.	8.0	7
36	Thin and Small N-Doped Carbon Boxes Obtained from Microporous Organic Networks and Their Excellent Energy Storage Performance at High Current Densities in Coin Cell Supercapacitors. ACS Sustainable Chemistry and Engineering, 2018, 6, 3525-3532.	6.7	24

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37	Hierarchically three-dimensional (3D) nanotubular sea urchin-shaped iron oxide and its application in heavy metal removal and solar-induced photocatalytic degradation. Journal of Hazardous Materials, 2018, 354, 283-292.	12.4	30
38	Folate decorated hollow spheres of microporous organic networks as drug delivery materials. Chemical Communications, 2018, 54, 3652-3655.	4.1	48
39	Enhanced redox activity of a hollow conjugated microporous polymer through the generation of carbonyl groups by carbonylative Sonogashira coupling. Journal of Materials Chemistry A, 2018, 6, 6233-6237.	10.3	24
40	Preparation of highly stable zeolite-alginate foam composite for strontium(90 Sr) removal from seawater and evaluation of Sr adsorption performance. Journal of Environmental Management, 2018, 205, 192-200.	7.8	48
41	Skeleton Carbonylation of Conjugated Microporous Polymers by Osmium Catalysis for Amine-Rich Functionalization. ACS Macro Letters, 2018, 7, 1353-1358.	4.8	23
42	In Situ Water-Compatible Polymer Entrapment: A Strategy for Transferring Superhydrophobic Microporous Organic Polymers to Water. ACS Macro Letters, 2018, 7, 651-655.	4.8	22
43	Poly(ethylene terephthalate) Fibers with a Thin Layer of Clickâ€Based Microporous Organic Network: Enhanced Capture Performance toward PM_{2.5}. Advanced Materials Interfaces, 2018, 5, 1800628.	3.7	9
44	A one building block approach for defect-enhanced conjugated microporous polymers: defect utilization for recyclable and catalytic biomass conversion. Journal of Materials Chemistry A, 2018, 6, 15553-15557.	10.3	16
45	Conjugated macroâ€“microporous polymer films bearing tetraphenylethylenes for the enhanced sensing of nitrotoluenes. Journal of Materials Chemistry A, 2018, 6, 17312-17317.	10.3	24
46	Adhesive organic network films with a holey microstructure: useful platforms for the engineering of flexible energy devices. Journal of Materials Chemistry A, 2017, 5, 5696-5700.	10.3	10
47	Dual role of Cu₂O nanocubes as templates and networking catalysts for hollow and microporous Fe-porphyrin networks. Chemical Communications, 2017, 53, 2598-2601.	4.1	18
48	Hollow structural effect of microporous organocatalytic polymers with pyrrolidines: dramatic enhancement of catalytic performance. Journal of Materials Chemistry A, 2017, 5, 8922-8926.	10.3	45
49	Amphichargeâ€Storable Pyropolymers Containing Multitiered Nanopores. Advanced Energy Materials, 2017, 7, 1700629.	19.5	32
50	Thin Coating of Microporous Organic Network Makes a Big Difference: Sustainability Issue of Ni Electrodes on the PET Textile for Flexible Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 36936-36943.	8.0	21
51	Hollow and microporous catalysts bearing Cr(<scp>iii</scp>)â€“F porphyrins for room temperature CO₂ fixation to cyclic carbonates. Journal of Materials Chemistry A, 2017, 5, 23612-23619.	10.3	49
52	Nanoseeded Catalytic Terpolymerization of CO, Ethylene, and Propylene by Size-Controlled SiO₂@Sulfonated Microporous Organic Polymer. Industrial & Engineering Chemistry Research, 2017, 56, 10235-10241.	3.7	6
53	Yolkâ€“Shell Polystyrene@Microporous Organic Network: A Smart Template with Thermally Disassemblable Yolk To Engineer Hollow MoS₂/C Composites for High-Performance Supercapacitors. ACS Omega, 2017, 2, 7658-7665.	3.5	15
54	Hollow and microporous triphenylamine networks post-modified with TCNE for enhanced organocathode performance. Chemical Communications, 2017, 53, 8778-8781.	4.1	37

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55	Microporous organic network@PET hybrid membranes: removal of minute organic pollutants dissolved in water. RSC Advances, 2016, 6, 83942-83946.	3.6	7
56	Hollow and Microporous Organic Polymers Bearing Sulfonic Acids: Antifouling Seed Materials for Polyketone Synthesis. ACS Macro Letters, 2016, 5, 1322-1326.	4.8	33
57	Tandem generation of isocoumarins in hollow microporous organic networks: nitrophenol sensing based on visible light. Journal of Materials Chemistry A, 2016, 4, 8010-8014.	10.3	34
58	Template synthesis of hollow MoS₂â€“carbon nanocomposites using microporous organic polymers and their lithium storage properties. Nanoscale, 2015, 7, 11280-11285.	5.6	38
59	Hollow Microporous Organic Networks Bearing Triphenylamines and Anthraquinones: Diffusion Pathway Effect in Visible Light-Driven Oxidative Coupling of Benzylamines. ACS Macro Letters, 2015, 4, 669-672.	4.8	68
60	Hollow and sulfonated microporous organic polymers: versatile platforms for non-covalent fixation of molecular photocatalysts. RSC Advances, 2015, 5, 47270-47274.	3.6	29
61	Hollow and Microporous Znâ€“Porphyrin Networks: Outer Shape Dependent Ammonia Sensing by Quartz Crystal Microbalance. Chemistry of Materials, 2015, 27, 5845-5848.	6.7	54
62	Hydrophobic zeolites coated with microporous organic polymers: adsorption behavior of ammonia under humid conditions. Chemical Communications, 2015, 51, 11814-11817.	4.1	25
63	Engineering of Snâ€“porphyrin networks on the silica surface: sensing of nitrophenols in water. Chemical Communications, 2015, 51, 8781-8784.	4.1	30
64	Hollow Co@C prepared from a Co-ZIF@microporous organic network: magnetic adsorbents for aromatic pollutants in water. Chemical Communications, 2015, 51, 17724-17727.	4.1	60
65	Insights into the low surface area of conjugated microporous polymers and methodological suggestion for the enhancement of porosity. Polymer Chemistry, 2015, 6, 7363-7367.	3.9	29
66	Magnetically Separable Microporous Feâ€“Porphyrin Networks for Catalytic Carbene Insertion into Nâ€“H Bonds. ACS Catalysis, 2015, 5, 350-355.	11.2	67
67	Porphyrin entrapment and release behavior of microporous organic hollow spheres: fluorescent alerting systems for existence of organic solvents in water. Chemical Communications, 2014, 50, 14885-14888.	4.1	19
68	Metalâ€“Organic Framework@Microporous Organic Network: Hydrophobic Adsorbents with a Crystalline Inner Porosity. Journal of the American Chemical Society, 2014, 136, 6786-6789.	13.7	200
69	Energy storage of thermally reduced graphene oxide. International Journal of Hydrogen Energy, 2014, 39, 3799-3804.	7.1	26
70	Microporous organic nanorods with electronic pushâ€“pull skeletons for visible light-induced hydrogen evolution from water. Journal of Materials Chemistry A, 2014, 2, 7656.	10.3	60
71	Fe3O4 nanosphere@microporous organic networks: enhanced anode performances in lithium ion batteries through carbonization. Chemical Communications, 2014, 50, 7723.	4.1	57
72	Microporous Organic Network Hollow Spheres: Useful Templates for Nanoparticulate Co₃O₄ Hollow Oxidation Catalysts. Journal of the American Chemical Society, 2013, 135, 19115-19118.	13.7	188

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73	Microporous organic networks bearing metal-salen species for mild CO2 fixation to cyclic carbonates. Journal of Materials Chemistry A, 2013, 1, 5517.	10.3	110
74	Tandem Synthesis of Photoactive Benzodifuran Moieties in the Formation of Microporous Organic Networks. Angewandte Chemie - International Edition, 2013, 52, 6228-6232.	13.8	141
75	An organometallic approach for microporous organic network (MON)â€“Co₃O₄composites: enhanced stability as anode materials for lithium ion batteries. Chemical Communications, 2012, 48, 94-96.	4.1	40
76	Thermally modulated multilayered graphene oxide for hydrogen storage. Physical Chemistry Chemical Physics, 2012, 14, 1480-1484.	2.8	67
77	Investigation on the existence of optimum interlayer distance for H2 uptake using pillared-graphene oxide. International Journal of Hydrogen Energy, 2012, 37, 14217-14222.	7.1	32
78	Tubular-Shape Evolution of Microporous Organic Networks. Chemistry of Materials, 2012, 24, 3458-3463.	6.7	81
79	Nanoparticulate Iron Oxide Tubes from Microporous Organic Nanotubes as Stable Anode Materials for Lithium Ion Batteries. Angewandte Chemie - International Edition, 2012, 51, 6626-6630.	13.8	179
80	Tubular microporous organic networks bearing imidazolium salts and their catalytic CO₂conversion to cyclic carbonates. Chemical Communications, 2011, 47, 917-919.	4.1	157
81	Enhancement of H2 uptake due to morphological modulation in vanadium pentoxide foam. International Journal of Hydrogen Energy, 2011, 36, 12887-12891.	7.1	4
82	Enhancement of hydrogen storage capacity in polyaniline-vanadium pentoxide nanocomposites. International Journal of Hydrogen Energy, 2010, 35, 1300-1304.	7.1	31