Jeehye Byun

List of Publications by Year in descending order

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31 papers	1,724 citations	430874 18 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	2479 citing authors

#	Article	IF	Citations
1	Changes in levels of N-nitrosamine formed from amine-containing compounds during chloramination via photocatalytic pretreatment with immobilized TiO2: Effect of source water and pH. Journal of Hazardous Materials, 2022, 424, 127398.	12.4	1
2	Incorporation of Metal Active Sites on Porous Polycarbazoles for Photocatalytic CO₂ Reduction. ChemCatChem, 2022, 14, .	3.7	10
3	Multifunctional photo-Fenton-active membrane for solar-driven water purification. Journal of Membrane Science, 2022, 660, 120832.	8.2	10
4	Optimization of coagulation and sedimentation conditions by turbidity measurement for nano- and microplastic removal. Chemosphere, 2022, 306, 135572.	8.2	18
5	Hydrophilic photocatalytic membrane via grafting conjugated polyelectrolyte for visible-light-driven biofouling control. Applied Catalysis B: Environmental, 2021, 282, 119587.	20.2	33
6	Controllable porous membrane actuator by gradient infiltration of conducting polymers. Journal of Materials Chemistry A, 2021, 9, 5007-5015.	10.3	17
7	Beyond the batch: Process and material design of polymeric photocatalysts for flow photochemistry. Chem Catalysis, 2021, 1, 771-781.	6.1	5
8	Designing conjugated porous polymers for visible light-driven photocatalytic chemical transformations. Materials Horizons, 2020, 7, 15-31.	12.2	130
9	Quantitative evaluation of the antibacterial factors of ZnO nanorod arrays under dark conditions: Physical and chemical effects on Escherichia coli inactivation. Science of the Total Environment, 2020, 712, 136574.	8.0	25
10	N-Rich Carbon Catalysts with Economic Feasibility for the Selective Oxidation of Hydrogen Sulfide to Sulfur. Environmental Science & Technology, 2020, 54, 12621-12630.	10.0	26
11	Magnetic Conjugated Polymer Nanoparticles with Tunable Wettability for Versatile Photocatalysis under Visible Light. , 2020, 2, 557-562.		5
12	Conjugated Polymer Hydrogel Photocatalysts with Expandable Photoactive Sites in Water. Chemistry of Materials, 2019, 31, 3381-3387.	6.7	47
13	Processing nanoporous organic polymers in liquid amines. Beilstein Journal of Nanotechnology, 2019, 10, 1844-1850.	2.8	3
14	Highly Efficient Catalytic Cyclic Carbonate Formation by Pyridyl Salicylimines. ACS Applied Materials & Interfaces, 2018, 10, 9478-9484.	8.0	103
15	Poly(benzothiadiazoles) and Their Derivatives as Heterogeneous Photocatalysts for Visible-Light-Driven Chemical Transformations. ACS Catalysis, 2018, 8, 4735-4750.	11.2	119
16	CO₂â€ausgelÃ¶ste schaltbare Hydrophilie von heterogen konjugierten Polymerphotokatalysatoren fÃ¼r verbesserte katalytische AktivitÃt in Wasser. Angewandte Chemie, 2018, 130, 3019-3023.	2.0	10
17	CO₂â€Triggered Switchable Hydrophilicity of a Heterogeneous Conjugated Polymer Photocatalyst for Enhanced Catalytic Activity in Water. Angewandte Chemie - International Edition, 2018, 57, 2967-2971.	13.8	85
18	Asymmetric Covalent Triazine Framework for Enhanced Visibleâ€Light Photoredox Catalysis via Energy Transfer Cascade. Angewandte Chemie - International Edition, 2018, 57, 8316-8320.	13.8	169

#	Article	IF	Citations
19	Controllable Homogeneity/Heterogeneity Switch of Imidazolium Ionic Liquids for CO₂ Utilization. ChemCatChem, 2018, 10, 4610-4616.	3.7	22
20	Carbon Dioxide Capture Adsorbents: Chemistry and Methods. ChemSusChem, 2017, 10, 1303-1317.	6.8	313
21	Reversible water capture by a charged metal-free porous polymer. Polymer, 2017, 126, 308-313.	3.8	33
22	Observation of the wrapping mechanism in amine carbon dioxide molecular interactions on heterogeneous sorbents. Physical Chemistry Chemical Physics, 2016, 18, 14177-14181.	2.8	42
23	Rapid extraction of uranium ions from seawater using novel porous polymeric adsorbents. RSC Advances, 2016, 6, 45968-45976.	3.6	38
24	Synthesis and Easy Functionalization of Highly Porous Networks through Exchangeable Fluorines for Target Specific Applications. Chemistry of Materials, 2016, 28, 5592-5595.	6.7	18
25	Charge-specific size-dependent separation of water-soluble organic molecules by fluorinated nanoporous networks. Nature Communications, 2016, 7, 13377.	12.8	132
26	Nanoporous networks as effective stabilisation matrices for nanoscale zero-valent iron and groundwater pollutant removal. Journal of Materials Chemistry A, 2016, 4, 632-639.	10.3	36
27	Nanoporous networks as caging supports for uniform, surfactant-free Co₃O₄ nanocrystals and their applications in energy storage and conversion. Journal of Materials Chemistry A, 2015, 3, 15489-15497.	10.3	18
28	Magnetic BaFe12O19 nanofiber filter for effective separation of Fe3O4 nanoparticles and removal of arsenic. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	13
29	Nanoporous covalent organic polymers incorporating TrÃ¶ger's base functionalities for enhanced CO₂capture. Journal of Materials Chemistry A, 2014, 2, 12507.	10.3	90
30	Highly Stable Nanoporous Sulfurâ€Bridged Covalent Organic Polymers for Carbon Dioxide Removal. Advanced Functional Materials, 2013, 23, 2270-2276.	14.9	135
31	Arsenic removal by magnetic nanocrystalline barium hexaferrite. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	18