Yongbeom Seo

List of Publications by Year in descending order

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30 papers	2,125 citations	430874 18 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	3128 citing authors

#	Article	IF	Citations
1	Directing Zeolite Structures into Hierarchically Nanoporous Architectures. Science, 2011, 333, 328-332.	12.6	750
2	Disordered Assembly of MFI Zeolite Nanosheets with a Large Volume of Intersheet Mesopores. Chemistry of Materials, 2011, 23, 1273-1279.	6.7	165
3	Characterization of the Surface Acidity of MFI Zeolite Nanosheets by ³¹P NMR of Adsorbed Phosphine Oxides and Catalytic Cracking of Decalin. ACS Catalysis, 2013, 3, 713-720.	11.2	153
4	n-Heptane hydroisomerization over Pt/MFI zeolite nanosheets: Effects of zeolite crystal thickness and platinum location. Journal of Catalysis, 2013, 301, 187-197.	6.2	146
5	Microporous Aluminophosphate Nanosheets and Their Nanomorphic Zeolite Analogues Tailored by Hierarchical Structure-Directing Amines. Journal of the American Chemical Society, 2013, 135, 8806-8809.	13.7	111
6	External Surface Catalytic Sites of Surfactant-Tailored Nanomorphic Zeolites for Benzene Isopropylation to Cumene. ACS Catalysis, 2013, 3, 192-195.	11.2	110
7	Engineering the Surface of Therapeutic â€œLivingâ€•Cells. Chemical Reviews, 2018, 118, 1664-1690.	47.7	93
8	Enhanced Relaxometric Properties of MRI â€œPositiveâ€•Contrast Agents Confined in Threeâ€Đimensional Cubic Mesoporous Silica Nanoparticles. Advanced Functional Materials, 2011, 21, 4653-4662.	14.9	74
9	Biohybrid valveless pump-bot powered by engineered skeletal muscle. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1543-1548.	7.1	67
10	Damage, Healing, and Remodeling in Optogenetic Skeletal Muscle Bioactuators. Advanced Healthcare Materials, 2017, 6, 1700030.	7.6	63
11	Thinking Outside the Cage: Controlling the Extrinsic Porosity and Gas Uptake Properties of Shape-Persistent Molecular Cages in Nanoporous Polymers. Chemistry of Materials, 2015, 27, 4149-4155.	6.7	60
12	Coâ€đevelopment of Crystalline and Mesoscopic Order in Mesostructured Zeolite Nanosheets. Angewandte Chemie - International Edition, 2015, 54, 927-931.	13.8	40
13	Randomâ€Ğraft Polymerâ€Đirected Synthesis of Inorganic Mesostructures with Ultrathin Frameworks. Angewandte Chemie - International Edition, 2014, 53, 5117-5121.	13.8	36
14	Controlled Synthesis of Titanate Nanodisks as Versatile Building Blocks for the Design of Hybrid Nanostructures. Angewandte Chemie - International Edition, 2012, 51, 6608-6612.	13.8	28
15	Anatase TiO2 nanosheets with surface acid sites for Friedelâ€“Crafts alkylation. Microporous and Mesoporous Materials, 2016, 222, 185-191.	4.4	28
16	Surface tethering of stem cells with H2O2-responsive anti-oxidizing colloidal particles for protection against oxidation-induced death. Biomaterials, 2019, 201, 1-15.	11.4	28
17	Design of multicomponent photocatalysts for hydrogen production under visible light using water-soluble titanate nanodisks. Nanoscale, 2014, 6, 4819-4829.	5.6	24
18	Diatom Microbubbler for Active Biofilm Removal in Confined Spaces. ACS Applied Materials & Interfaces, 2018, 10, 35685-35692.	8.0	18

#	Article	IF	Citations
19	Nonâ€Topotactic Transformation of Silicate Nanolayers into Mesostructured MFI Zeolite Frameworks During Crystallization. Angewandte Chemie - International Edition, 2017, 56, 5164-5169.	13.8	17
20	Active Antioxidizing Particles for On-Demand Pressure-Driven Molecular Release. ACS Applied Materials & Interfaces, 2017, 9, 35642-35650.	8.0	16
21	Transparent and Flexible Electronics Assembled with Metallic Nanowire-Layered Nondrying Glycerogel. ACS Applied Materials & Interfaces, 2020, 12, 13040-13050.	8.0	16
22	Worm-Like Superparamagnetic Nanoparticle Clusters for Enhanced Adhesion and Magnetic Resonance Relaxivity. ACS Applied Materials & Interfaces, 2017, 9, 1219-1225.	8.0	14
23	Stretchable, anti-bacterial hydrogel activated by large mechanical deformation. Journal of Controlled Release, 2018, 275, 1-11.	9.9	13
24	Coâ€development of Crystalline and Mesoscopic Order in Mesostructured Zeolite Nanosheets. Angewandte Chemie, 2015, 127, 941-945.	2.0	9
25	Proangiogenic alginate-g-pyrrole hydrogel with decoupled control of mechanical rigidity and electrically conductivity. Biomaterials Research, 2017, 21, 24.	6.9	8
26	Manganese Oxide Nanozyme-Doped Diatom for Safe and Efficient Treatment of Peri-Implantitis. ACS Applied Materials & Interfaces, 2022, 14, 27634-27650.	8.0	7
27	Nonâ€Topotactic Transformation of Silicate Nanolayers into Mesostructured MFI Zeolite Frameworks During Crystallization. Angewandte Chemie, 2017, 129, 5246-5251.	2.0	3
28	Catalytic microgelators for decoupled control of gelation rate and rigidity of the biological gels. Journal of Controlled Release, 2020, 317, 166-180.	9.9	2
29	The biofilm removal effect of MnO2-diatom microbubbler from the dental prosthetic surfaces: In vitro study. The Journal of Korean Academy of Prosthodontics, 2020, 58, 14.	0.1	2
30	Back Cover: Controlled Synthesis of Titanate Nanodisks as Versatile Building Blocks for the Design of Hybrid Nanostructures (Angew. Chem. Int. Ed. 27/2012). Angewandte Chemie - International Edition, 2012, 51, 6794-6794.	13.8	1