Jeong Hyeon Lee

List of Publications by Year
in descending order

25 papers	966 citations	623734 14 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	1678 citing authors

#	Article	IF	Citations
1	Separation of ethane/ethylene gas mixture by ethane-selective CAU-3-NDCA adsorbent. Microporous and Mesoporous Materials, 2022, 330, 111572.	4.4	9
2	Pore control of Al-based MIL-53 isomorphs for the preferential capture of ethane in an ethane/ethylene mixture. Journal of Materials Chemistry A, 2021, 9, 14593-14600.	10.3	29
3	Micro-/nano-sized multifunctional heterochiral metalâ€“organic frameworks for high-performance visibleâ€“blind UV photodetectors. Journal of Materials Chemistry C, 2021, 9, 7310-7318.	5.5	14
4	Bay-Substitution Effect of Perylene Diimides on Supramolecular Chirality and Optoelectronic Properties of Their Self-Assembled Nanostructures. ACS Applied Materials & Interfaces, 2021, 13, 12278-12285.	8.0	16
5	Strategic Approach for Enhancing Sensitivity of Ammonia Gas Detection: Molecular Design Rule and Morphology Optimization for Stable Radical Anion Formation of Rylene Diimide Semiconductors. Advanced Functional Materials, 2021, 31, 2101981.	14.9	10
6	â€œMajorityâ€Rulesâ€•Effect on Supramolecular Chirality and Optoelectronic Properties of Chiral Tetrachloroâ€Perylene Diimides. Advanced Optical Materials, 2021, 9, 2001911.	7.3	10
7	Subnano-sized silicon anode via crystal growth inhibition mechanism and its application in a prototype battery pack. Nature Energy, 2021, 6, 1164-1175.	39.5	107
8	Highly Efficient Hydrotalcite/1-Butanol Catalytic System for the Production of the High-Yield Fructose Crystal from Glucose. ACS Catalysis, 2020, 10, 1388-1396.	11.2	30
9	Reaction kinetics of mixture of nitromethane and detonator confined in carbon nanotube. Journal of Industrial and Engineering Chemistry, 2020, 83, 64-71.	5.8	1
10	Surface-Doped Quasi-2D Chiral Organic Single Crystals for Chiroptical Sensing. ACS Nano, 2020, 14, 14146-14156.	14.6	33
11	A Robust and Highly Selective Catalytic System of Copperâ€“Silica Nanocomposite and 1â€Butanol in Fructose Hydrogenation to Mannitol. ChemSusChem, 2020, 13, 5050-5057.	6.8	5
12	Effect of framework rigidity in metal-organic frameworks for adsorptive separation of ethane/ethylene. Microporous and Mesoporous Materials, 2020, 307, 110473.	4.4	20
13	An unprecedented c-oriented DDR@MWW zeolite hybrid membrane: new insights into H2-permselectivities via six membered-ring pores. Journal of Materials Chemistry A, 2020, 8, 14071-14081.	10.3	10
14	Controllable Explosion of Nanobomb by Modifying Nanocontainer and External Shocks. Journal of Physical Chemistry C, 2020, 124, .	3.1	2
15	Tuning the supramolecular chirality and optoelectronic performance of chiral perylene diimide nanowires via N-substituted side chain engineering. Journal of Materials Chemistry C, 2019, 7, 8688-8697.	5.5	23
16	Heterochiral Doped Supramolecular Coordination Networks for High-Performance Optoelectronics. ACS Applied Materials & Interfaces, 2019, 11, 20174-20182.	8.0	11
17	Chiral self-sorted multifunctional supramolecular biocoordination polymers and their applications in sensors. Nature Communications, 2018, 9, 3933.	12.8	85
18	Solvothermal liquefaction of alkali lignin to obtain a high yield of aromatic monomers while suppressing solvent consumption. Green Chemistry, 2018, 20, 4957-4974.	9.0	47

#	Article	IF	Citations
19	Revealing salt-expedited reduction mechanism for hollow silicon microsphere formation in bi-functional halide melts. Communications Chemistry, 2018, 1, .	4.5	31
20	An oriented, siliceous deca-dodecasil 3R (DDR) zeolite film for effective carbon capture: insight into its hydrophobic effect. Journal of Materials Chemistry A, 2017, 5, 11246-11254.	10.3	52
21	Explosion Study of Nitromethane Confined in Carbon Nanotube Nanocontainer via Reactive Molecular Dynamics. Journal of Physical Chemistry C, 2017, 121, 6415-6423.	3.1	9
22	Carambola-shaped VO₂ nanostructures: a binder-free air electrode for an aqueous Naâ€“air battery. Journal of Materials Chemistry A, 2017, 5, 2037-2044.	10.3	120
23	Porous Two-Dimensional Monolayer Metalâ€“Organic Framework Material and Its Use for the Size-Selective Separation of Nanoparticles. ACS Applied Materials & Interfaces, 2017, 9, 28107-28116.	8.0	51
24	Design of a heterogeneous catalytic process for the continuous and direct synthesis of lactide from lactic acid. Green Chemistry, 2016, 18, 5978-5983.	9.0	40
25	Monolayer-Precision Synthesis of Molybdenum Sulfide Nanoparticles and Their Nanoscale Size Effects in the Hydrogen Evolution Reaction. ACS Nano, 2015, 9, 3728-3739.	14.6	201