

Fan Shi

List of Publications by Year in descending order

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15
papers

462
citations

933447

10
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

731
citing authors

#	ARTICLE	IF	CITATIONS
1	Activated Carbons for Hydrothermal Decarboxylation of Fatty Acids. <i>ACS Catalysis</i> , 2011, 1, 227-231.	11.2	122
2	Molecular Simulation for Adsorption and Separation of CH ₄ /H ₂ in Zeolitic Imidazolate Frameworks. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12158-12165.	3.1	97
3	Screening Hofmann Compounds as CO ₂ Sorbents: Nontraditional Synthetic Route to Over 40 Different Pore-Functionalized and Flexible Pillared Cyanonickelates. <i>Inorganic Chemistry</i> , 2013, 52, 4205-4216.	4.0	61
4	Recent developments in the production of liquid fuels via catalytic conversion of microalgae: experiments and simulations. <i>RSC Advances</i> , 2012, 2, 9727.	3.6	50
5	Critical review of functionalized silica sorbent strategies for selective extraction of rare earth elements from acid mine drainage. <i>Journal of Hazardous Materials</i> , 2022, 424, 127625.	12.4	31
6	Simulation of separation of C ₂ H ₆ from CH ₄ using zeolitic imidazolate frameworks. <i>Molecular Simulation</i> , 2014, 40, 349-360.	2.0	17
7	Contact Angle Measurements Using Sessile Drop and Micro-CT Data from Six Sandstones. <i>Transport in Porous Media</i> , 2020, 133, 71-83.	2.6	17
8	CO ₂ Brine Contact Angle Measurements on Navajo, Nugget, Bentheimer, Bandera Brown, Berea, and Mt. Simon Sandstones. <i>Energy & Fuels</i> , 2020, 34, 6085-6100.	5.1	14
9	Molecular Dynamics Study of the Bulk and Interface Properties of Frother and Oil with Saltwater and Air. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2788-2796.	2.6	11
10	Steam-Stable Basic Immobilized Amine Sorbent Pellets for CO ₂ Capture Under Practical Conditions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38336-38346.	8.0	11
11	Stable immobilized amine sorbents for heavy metal and REE removal from industrial wastewaters. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1286-1299.	2.4	10
12	Amine Sorbents for Selective Recovery of Heavy Rare-Earth Elements (Dysprosium, Ytterbium) from Aqueous Solution. <i>ChemPlusChem</i> , 2020, 85, 130-136.	2.8	9
13	Microwave-accelerated regeneration of a non-aqueous slurry for energy-efficient carbon sequestration. <i>Materials Today Sustainability</i> , 2022, 19, 100168.	4.1	5
14	Effects of Frothers and Oil at Saltwater-Air Interfaces for Oil Separation: Molecular Dynamics Simulations and Experimental Measurements. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6699-6707.	2.6	4
15	Scale-up of immobilized amine sorbent pellets for landfill gas upgrading, using benchtop and pilot equipment. <i>Powder Technology</i> , 2022, 395, 243-254.	4.2	3