

Chang Liu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,660
citations

623734

14
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

2393
citing authors

#	ARTICLE	IF	CITATIONS
1	Anaerobic co-digestion process for biogas production: Progress, challenges and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 76, 1485-1496.	16.4	590
2	The peculiar effect of water on ionic liquids and deep eutectic solvents. <i>Chemical Society Reviews</i> , 2018, 47, 8685-8720.	38.1	346
3	Enhanced Photocatalytic Activity in Anatase/TiO ₂ (B) Core-Shell Nanofiber. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20539-20545.	3.1	181
4	Highly Thermal Stable and Highly Crystalline Anatase TiO ₂ for Photocatalysis. <i>Environmental Science & Technology</i> , 2009, 43, 5423-5428.	10.0	103
5	Stability of Pt nanoparticles and enhanced photocatalytic performance in mesoporous Pt-(anatase/TiO ₂ (B)) nanoarchitecture. <i>Journal of Materials Chemistry</i> , 2009, 19, 7055.	6.7	72
6	Thermodynamic Study of Choline Chloride-Based Deep Eutectic Solvents with Water and Methanol. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 2446-2457.	1.9	65
7	Techno-economic analysis and performance comparison of aqueous deep eutectic solvent and other physical absorbents for biogas upgrading. <i>Applied Energy</i> , 2018, 225, 437-447.	10.1	60
8	Molar enthalpy of mixing and refractive indices of choline chloride-based deep eutectic solvents with water. <i>Journal of Chemical Thermodynamics</i> , 2017, 105, 30-36.	2.0	40
9	A controllable approach for the synthesis of titanate derivatives of potassium tetratitanate fiber. <i>Journal of Materials Science</i> , 2004, 39, 3745-3750.	3.7	34
10	Molar Enthalpy of Mixing for Choline Chloride/Urea Deep Eutectic Solvent + Water System. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 4172-4177.	1.9	30
11	The biomethane producing potential in China: A theoretical and practical estimation. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 920-928.	3.5	23
12	Reaction and Crystallization Mechanism of Potassium Dtitanate Fibers Synthesized by Low-Temperature Calcination. <i>Crystal Growth and Design</i> , 2005, 5, 1399-1404.	3.0	22
13	TiO ₂ Nanofoam@Nanotube Array for Surface-Enhanced Raman Scattering. <i>ACS Applied Nano Materials</i> , 2018, 1, 6563-6566.	5.0	20
14	Effect of endogenous hydrogen utilization on improved methane production in an integrated microbial electrolysis cell and anaerobic digestion: Employing catalyzed stainless steel mesh cathode. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 574-582.	3.5	18
15	Concentrating water-soluble ionic liquids from aqueous solutions: Osmotic distillation with hydrophobic membranes. <i>Journal of Membrane Science</i> , 2020, 608, 118222.	8.2	11
16	Effects of nitrogen doping on surface-enhanced Raman scattering (SERS) performance of bicrystalline TiO ₂ nanofibres. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 642-647.	3.5	10
17	Interfacial potassium induced enhanced Raman spectroscopy for single-crystal TiO ₂ nanowhisker. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 889-895.	3.5	10
18	COSMO-based solvent selection and Aspen Plus process simulation for tar absorptive removal. <i>Applied Energy</i> , 2019, 251, 113314.	10.1	7

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19	Simulation and evaluation of utilization pathways of biomasses based on thermodynamic data prediction. <i>Energy</i> , 2019, 173, 610-625.	8.8	6
20	Exergy efficiency based design and analysis of utilization pathways of biomasses. <i>Computer Aided Chemical Engineering</i> , 2018, 43, 857-862.	0.5	3
21	Co-Digestion Biomethane Production and the Effect of Nanoparticle: Kinetics Modeling and Microcalorimetry Studies. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 479-491.	2.9	3
22	Evaluation and comparison of aqueous ChCl/Urea and other physical absorbents for biogas upgrading process. <i>Energy Procedia</i> , 2017, 142, 3631-3636.	1.8	2
23	Crystallization of Sodium Bicarbonate in the Presence of Trace Amounts of HPMA. <i>ChemistrySelect</i> , 2021, 6, 2184-2188.	1.5	2
24	One-step synthesis and its mechanism of potassium hexatitanate whiskers from potassium dititanate and metatitanic acid. <i>Materials Science in Semiconductor Processing</i> , 2022, 137, 106210.	4.0	2