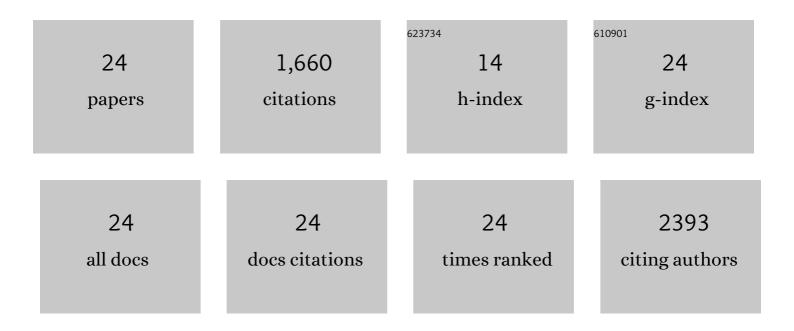
Chang Liu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Anaerobic co-digestion process for biogas production: Progress, challenges and perspectives. Renewable and Sustainable Energy Reviews, 2017, 76, 1485-1496.	16.4	590
2	The peculiar effect of water on ionic liquids and deep eutectic solvents. Chemical Society Reviews, 2018, 47, 8685-8720.	38.1	346
3	Enhanced Photocatalytic Activity in Anatase/TiO ₂ (B) Coreâ^'Shell Nanofiber. Journal of Physical Chemistry C, 2008, 112, 20539-20545.	3.1	181
4	Highly Thermal Stable and Highly Crystalline Anatase TiO ₂ for Photocatalysis. Environmental Science & Technology, 2009, 43, 5423-5428.	10.0	103
5	Stability of Pt nanoparticles and enhanced photocatalytic performance in mesoporous Pt-(anatase/TiO2(B)) nanoarchitecture. Journal of Materials Chemistry, 2009, 19, 7055.	6.7	72
6	Thermodynamic Study of Choline Chloride-Based Deep Eutectic Solvents with Water and Methanol. Journal of Chemical & Engineering Data, 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. Applied Energy, 2018, 225, 437-447.	10.1	60
8	Molar enthalpy of mixing and refractive indices of choline chloride-based deep eutectic solvents with water. Journal of Chemical Thermodynamics, 2017, 105, 30-36.	2.0	40
9	A controllable approach for the synthesis of titanate derivatives of potassium tetratitanate fiber. Journal of Materials Science, 2004, 39, 3745-3750.	3.7	34
10	Molar Enthalpy of Mixing for Choline Chloride/Urea Deep Eutectic Solvent + Water System. Journal of Chemical & Engineering Data, 2016, 61, 4172-4177.	1.9	30
11	The biomethane producing potential in China: A theoretical and practical estimation. Chinese Journal of Chemical Engineering, 2016, 24, 920-928.	3.5	23
12	Reaction and Crystallization Mechanism of Potassium Dititanate Fibers Synthesized by Low-Temperature Calcination. Crystal Growth and Design, 2005, 5, 1399-1404.	3.0	22
13	TiO ₂ Nanofoam–Nanotube Array for Surface-Enhanced Raman Scattering. ACS Applied Nano Materials, 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. Chinese Journal of Chemical Engineering, 2018, 26, 574-582.	3.5	18
15	Concentrating water-soluble ionic liquids from aqueous solutions: Osmotic distillation with hydrophobic membranes. Journal of Membrane Science, 2020, 608, 118222.	8.2	11
16	Effects of nitrogen doping on surface-enhanced Raman scattering (SERS) performance of bicrystalline TiO 2 nanofibres. Chinese Journal of Chemical Engineering, 2018, 26, 642-647.	3.5	10
17	Interfacial potassium induced enhanced Raman spectroscopy for single-crystal TiO2 nanowhisker. Chinese Journal of Chemical Engineering, 2020, 28, 889-895.	3.5	10
18	COSMO-based solvent selection and Aspen Plus process simulation for tar absorptive removal. Applied Energy, 2019, 251, 113314.	10.1	7

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