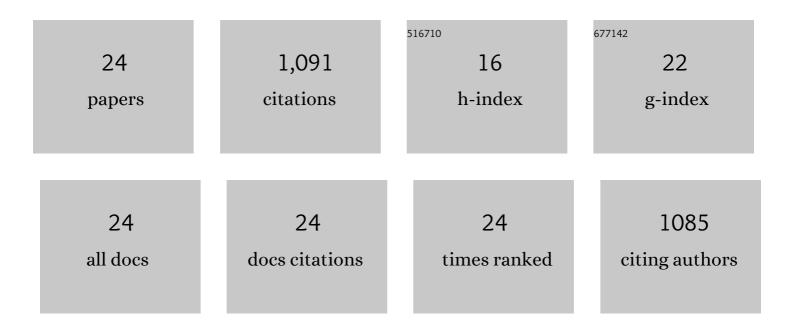
Shuai Liang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Bifunctional electrocatalysts for Zn–air batteries: recent developments and future perspectives. Journal of Materials Chemistry A, 2020, 8, 6144-6182.	10.3	207
2	Crystal growth simulations of methane hydrates in the presence of silica surfaces. Physical Chemistry Chemical Physics, 2011, 13, 19856.	2.8	106
3	Explorations of gas hydrate crystal growth by molecular simulations. Chemical Physics Letters, 2010, 494, 123-133.	2.6	89
4	Where, and How, Does a Nanowire Break?. Nano Letters, 2007, 7, 1208-1212.	9.1	87
5	Exploring nucleation of H2S hydrates. Chemical Science, 2011, 2, 1286.	7.4	86
6	Nucleation of Gas Hydrates within Constant Energy Systems. Journal of Physical Chemistry B, 2013, 117, 1403-1410.	2.6	68
7	Crystal Growth Simulations of H ₂ S Hydrate. Journal of Physical Chemistry B, 2010, 114, 9563-9571.	2.6	66
8	The Mobility of Water Molecules through Gas Hydrates. Journal of the American Chemical Society, 2011, 133, 1870-1876.	13.7	55
9	Dynamic Characterization of the Postbreaking Behavior of a Nanowire. Journal of Physical Chemistry C, 2008, 112, 20088-20094.	3.1	54
10	Molecular Mechanisms of Gas Diffusion in CO ₂ Hydrates. Journal of Physical Chemistry C, 2016, 120, 16298-16304.	3.1	46
11	Recovering CH ₄ from Natural Gas Hydrates with the Injection of CO ₂ –N ₂ Gas Mixtures. Energy & Fuels, 2015, 29, 1099-1106.	5.1	44
12	Clathrate structure-type recognition: Application to hydrate nucleation and crystallisation. Journal of Chemical Physics, 2015, 142, 244503.	3.0	33
13	The nucleation of gas hydrates near silica surfaces. Canadian Journal of Chemistry, 2015, 93, 791-798.	1.1	30
14	Molecular Insights into the Homogeneous Melting of Methane Hydrates. Journal of Physical Chemistry C, 2014, 118, 28542-28547.	3.1	27
15	Characterizing key features in the formation of ice and gas hydrate systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180167.	3.4	22
16	Communication: Structural interconversions between principal clathrate hydrate structures. Journal of Chemical Physics, 2015, 143, 011102.	3.0	18
17	<i>In Situ</i> Raman Analysis on the Dissociation Behavior of Mixed CH ₄ –CO ₂ Hydrates. Energy & Fuels, 0, , .	5.1	15
18	Theoretical Investigation of Electrochemical Signal from Nanoscale Systems. Electroanalysis, 2011, 23, 1447-1453.	2.9	11

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#	Article	IF	CITATIONS
19	Transient Translational and Rotational Water Defects in Gas Hydrates. Journal of Physical Chemistry C, 2017, 121, 17595-17602.	3.1	8
20	Molecular dynamics study of CH ₄ –CO ₂ mixed hydrate dissociation. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 823-832.	1.5	6
21	The time delay in electrochemical measurements of a finite-volume system. Journal of Electroanalytical Chemistry, 2009, 633, 235-239.	3.8	5
22	Molecular engineering in a family of pillared-layered metal–organic frameworks for tuning gas adsorption behavior. Dalton Transactions, 2021, 50, 7409-7416.	3.3	5
23	The electrochemical behavior of a system with a limited number of molecules. Journal of Solid State Electrochemistry, 2008, 12, 701-706.	2.5	3
24	From Hydrogen Bond to van der Waals Force: Molecular Scalpel Strategy to Exfoliate a Two-Dimensional Metal–Organic Nanosheet. Inorganic Chemistry, 2022, 61, 5465-5468.	4.0	0