

Shuo Xu

List of Publications by Year in descending order

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13
papers

518
citations

759233

12
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

534
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrolytic water technology based on transformable and amorphous liquid metal electrodes. , 2022, 1, .		1
2	Oxide transformation and break-up of liquid metal in boiling solutions. Science China Technological Sciences, 2020, 63, 289-296.	4.0	14
3	Instant hydrogen production using Ga-In-Sn-Bi alloy-activated Al-water reaction for hydrogen fuel cells. Journal of Renewable and Sustainable Energy, 2020, 12, .	2.0	20
4	Liquid metal activated hydrogen production from waste aluminum for power supply and its life cycle assessment. International Journal of Hydrogen Energy, 2019, 44, 17505-17514.	7.1	30
5	Discoloration Effect and One-Step Synthesis of Hydrogen Tungsten and Molybdenum Bronze ($H_{x}MO_{3}$) using Liquid Metal at Room Temperature. ACS Omega, 2019, 4, 7428-7435.	3.5	28
6	Self-fueled liquid metal motors. Journal Physics D: Applied Physics, 2019, 52, 353002.	2.8	24
7	Interfacial wetting behaviors of liquid Ga alloys/ $FeGa_{3}$ based on metallic bond interaction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 569, 102-109.	4.7	27
8	Metal-based direct hydrogen generation as unconventional high density energy. Frontiers in Energy, 2019, 13, 27-53.	2.3	28
9	Metallic Bond-Enabled Wetting Behavior at the Liquid Ga/ $CuGa_{2}$ Interfaces. ACS Applied Materials & Interfaces, 2018, 10, 9203-9210.	8.0	101
10	Liquid metal activated aluminum-water reaction for direct hydrogen generation at room temperature. Renewable and Sustainable Energy Reviews, 2018, 92, 17-37.	16.4	88
11	Multiple Electrohydrodynamic Effects on the Morphology and Running Behavior of Tiny Liquid Metal Motors. Micromachines, 2018, 9, 192.	2.9	13
12	Liquid Metal Corrosion Effects on Conventional Metallic Alloys Exposed to Eutectic Gallium-Indium Alloy Under Various Temperature States. International Journal of Thermophysics, 2018, 39, 1.	2.1	33
13	Surface tension of liquid metal: role, mechanism and application. Frontiers in Energy, 2017, 11, 535-567.	2.3	111