

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