Lu-An Shi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12015808/publications.pdf

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17	1,981	623734 14	940533 16
papers	citations	h-index	g-index

17	17	17	3312
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Joule-heated carbonized melamine sponge for high-speed absorption of viscous oil spills. Nano Research, 2021, 14, 2697-2702.	10.4	29
2	A Magnetoâ€Heated Ferrimagnetic Sponge for Continuous Recovery of Viscous Crude Oil. Advanced Materials, 2021, 33, e2100074.	21.0	44
3	Boosting photoelectrochemical efficiency by near-infrared-active lattice-matched morphological heterojunctions. Nature Communications, 2021, 12, 4296.	12.8	23
4	A Magnetoâ€Heated Ferrimagnetic Sponge for Continuous Recovery of Viscous Crude Oil (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10	21.0	1
5	Ultralow-Voltage-Driven Smart Control of Diverse Dropâ€™s Anisotropic Sliding by in Situ Switching Joule Heat on Paraffin-Infused Microgrooved Slippery Surface. ACS Applied Materials & Interfaces, 2020, 12, 1895-1904.	8.0	31
6	Sponge-templating synthesis of sandwich-like reduced graphene oxide nanoplates with confined gold nanoparticles and their enhanced stability for solar evaporation. Science China Materials, 2020, 63, 1957-1965.	6.3	20
7	A General and Programmable Synthesis of Graphene-Based Composite Aerogels by a Melamine-Sponge-Templated Hydrothermal Process. CCS Chemistry, 2020, 2, 1-12.	7.8	17
8	Remote Photothermal Actuation of Underwater Bubble toward Arbitrary Direction on Planar Slippery Fe₃O₄â€Doped Surfaces. Advanced Functional Materials, 2019, 29, 1904766.	14.9	59
9	Dualâ€Responsive Janus Membrane by Oneâ€Step Laser Drilling for Underwater Bubble Selective Capture and Repelling. Advanced Materials Interfaces, 2019, 6, 1901176.	3.7	20
10	Microholeâ€Arrayed PDMS with Controllable Wettability Gradient by Oneâ€Step Femtosecond Laser Drilling for Ultrafast Underwater Bubble Unidirectional Selfâ€Transport. Advanced Materials Interfaces, 2019, 6, 1900297.	3.7	47
11	In Situ Reversible Control between Sliding and Pinning for Diverse Liquids under Ultra-Low Voltage. ACS Nano, 2019, 13, 5742-5752.	14.6	73
12	Dip-coating processed sponge-based electrodes for stretchable Zn-MnO2 batteries. Nano Research, 2018, 11, 1554-1562.	10.4	51
13	Joule-heated graphene-wrapped sponge enables fast clean-up of viscous crude-oil spill. Nature Nanotechnology, 2017, 12, 434-440.	31.5	610
14	Stretchable Electronics: A Stretchable Electronic Fabric Artificial Skin with Pressureâ€, Lateral Strainâ€, and Flexionâ€Sensitive Properties (Adv. Mater. 4/2016). Advanced Materials, 2016, 28, 783-783.	21.0	9
15	Advanced Sorbents for Oilâ€Spill Cleanup: Recent Advances and Future Perspectives. Advanced Materials, 2016, 28, 10459-10490.	21.0	547
16	A Stretchable Electronic Fabric Artificial Skin with Pressureâ€, Lateral Strainâ€, and Flexionâ€Sensitive Properties. Advanced Materials, 2016, 28, 722-728.	21.0	400
17	A General and Programmable Synthesis of Graphene-Based Composite Aerogels by a Melamine-Sponge-Templated Hydrothermal Process. CCS Chemistry, 0, , 1-12.	7.8	0