

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
papers

1,981
citations

623734

14
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

3312
citing authors

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