

Tie Li

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,536
citations

471509

17
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

2348
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial lithium-nitrogen bond catalyzes sulfide oxidation reactions in high-loading Li ₂ S cathode. <i>Chemical Engineering Journal</i> , 2022, 429, 132352.	12.7	18
2	Superelastic alloy based electrical interconnects for highly stretchable electronics. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	7
3	A sequential process to synthesize Fe ₃ O ₄ @MnO ₂ hollow nanospheres for high performance supercapacitors. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1938-1947.	5.9	8
4	Multifunctional biomimetic tactile system via a stick-slip sensing strategy for human-machine interactions. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	22
5	Hierarchical Carbon Nanotube-Supported Conductive Metal-Organic Framework Nanosheet toward High-Strain Ionic Soft Actuator. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	3
6	In Situ Self-Assembly of Ordered Organic/Inorganic Dual-Layered Interphase for Achieving Long-Life Dendrite-Free Li Metal Anodes in LiFSI-Based Electrolyte. <i>Advanced Functional Materials</i> , 2021, 31, 2007434.	14.9	65
7	Soft Electrochemical Actuators with a Two-Dimensional Conductive Metal-Organic Framework Nanowire Array. <i>Journal of the American Chemical Society</i> , 2021, 143, 4017-4023.	13.7	68
8	Humidity-Insensitive NO ₂ Sensors Based on SnO ₂ /rGO Composites. <i>Frontiers in Chemistry</i> , 2021, 9, 681313.	3.6	19
9	Stable epidermal electronic device with strain isolation induced by in situ Joule heating. <i>Microsystems and Nanoengineering</i> , 2021, 7, 56.	7.0	6
10	High-Performance Aqueous Zn Battery Based on MoS ₂ -Loaded MnO ₂ @Carbon Aerogel. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11114-11121.	4.6	3
11	Bioinspired Flexible, Dual-Modulation Synaptic Transistors toward Artificial Visual Memory Systems. <i>Advanced Materials Technologies</i> , 2020, 5, 1900888.	5.8	49
12	Top-down and bottom-up strategies for wafer-scaled miniaturized gas sensors design and fabrication. <i>Microsystems and Nanoengineering</i> , 2020, 6, 31.	7.0	18
13	Highly stretchable potentiometric ion sensor based on surface strain redistributed fiber for sweat monitoring. <i>Talanta</i> , 2020, 214, 120869.	5.5	35
14	Iron vacancies and surface modulation of iron disulfide nanoflowers as a high power/energy density cathode for ultralong-life stable Li storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14769-14777.	10.3	23
15	Flow Alters the Interfacial Reactions of Upconversion Nanocrystals Probed by In Situ Sum Frequency Generation. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902046.	3.7	11
16	Flexible Synaptic Transistors: Bioinspired Flexible, Dual-Modulation Synaptic Transistors toward Artificial Visual Memory Systems (<i>Adv. Mater. Technol.</i> 1/2020). <i>Advanced Materials Technologies</i> , 2020, 5, 2070006.	5.8	0
17	Single atomic cobalt catalyst significantly accelerates lithium ion diffusion in high mass loading Li ₂ S cathode. <i>Energy Storage Materials</i> , 2020, 28, 375-382.	18.0	92
18	Highly Selective Biomimetic Flexible Tactile Sensor for Neuroprosthetics. <i>Research</i> , 2020, 2020, 8910692.	5.7	26

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19	Rhinophore bio-inspired stretchable and programmable electrochemical sensor. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111519.	10.1	9
20	In Situ Growth of NiO@SnO ₂ Hierarchical Nanostructures for High Performance H ₂ S Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44829-44836.	8.0	44
21	Flexible Sensors: Bioinspired Flexible Volatile Organic Compounds Sensor Based on Dynamic Surface Wrinkling with Dual-Signal Response (Small 17/2019). <i>Small</i> , 2019, 15, 1970090.	10.0	1
22	Bioinspired Flexible Volatile Organic Compounds Sensor Based on Dynamic Surface Wrinkling with Dual-Signal Response. <i>Small</i> , 2019, 15, e1900216.	10.0	37
23	A multiscale flexible pressure sensor based on nanovesicle-like hollow microspheres for micro-vibration detection in non-contact mode. <i>Nanoscale</i> , 2019, 11, 5737-5745.	5.6	19
24	Materials, Structures, and Functions for Flexible and Stretchable Biomimetic Sensors. <i>Accounts of Chemical Research</i> , 2019, 52, 288-296.	15.6	157
25	Fingerprint-Inspired Flexible Tactile Sensor for Accurately Discerning Surface Texture. <i>Small</i> , 2018, 14, e1703902.	10.0	175
26	Hierarchical Structure Formation and Effect Mechanism of Ni/Mn Layered Double Hydroxides Microspheres with Large-Scale Production for Flexible Asymmetric Supercapacitors. <i>ACS Applied Energy Materials</i> , 2018, 1, 2242-2253.	5.1	27
27	Humidity Sensors: Porous Ionic Membrane Based Flexible Humidity Sensor and its Multifunctional Applications (Adv. Sci. 5/2017). <i>Advanced Science</i> , 2017, 4, .	11.2	2
28	Wearable Sweatband Sensor Platform Based on Gold Nanodendrite Array as Efficient Solid Contact of Ion-Selective Electrode. <i>Analytical Chemistry</i> , 2017, 89, 10224-10231.	6.5	132
29	Flexible Capacitive Tactile Sensor Based on Micropatterned Dielectric Layer. <i>Small</i> , 2016, 12, 5042-5048.	10.0	377
30	Facile in situ growth of Ni/Co-LDH arrays by hypothermal chemical coprecipitation for all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18922-18930.	10.3	78