Tie Li

List of Publications by Year
in descending order

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	Flexible Capacitive Tactile Sensor Based on Micropatterned Dielectric Layer. Small, 2016, 12, 5042-5048.	10.0	377
2	Fingerprintâ€Inspired Flexible Tactile Sensor for Accurately Discerning Surface Texture. Small, 2018, 14, e1703902.	10.0	175
3	Materials, Structures, and Functions for Flexible and Stretchable Biomimetic Sensors. Accounts of Chemical Research, 2019, 52, 288-296.	15.6	157
4	Wearable Sweatband Sensor Platform Based on Gold Nanodendrite Array as Efficient Solid Contact of Ion-Selective Electrode. Analytical Chemistry, 2017, 89, 10224-10231.	6.5	132
5	Single atomic cobalt catalyst significantly accelerates lithium ion diffusion in high mass loading Li2S cathode. Energy Storage Materials, 2020, 28, 375-382.	18.0	92
6	Facile in situ growth of Ni/Co-LDH arrays by hypothermal chemical coprecipitation for all-solid-state asymmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 18922-18930.	10.3	78
7	Soft Electrochemical Actuators with a Two-Dimensional Conductive Metalâ€“Organic Framework Nanowire Array. Journal of the American Chemical Society, 2021, 143, 4017-4023.	13.7	68
8	In Situ Selfâ€Assembly of Ordered Organic/Inorganic Dualâ€Layered Interphase for Achieving Longâ€Life Dendriteâ€Free Li Metal Anodes in LiFSIâ€Based Electrolyte. Advanced Functional Materials, 2021, 31, 2007434.	14.9	65
9	Bioinspired Flexible, Dualâ€Modulation Synaptic Transistors toward Artificial Visual Memory Systems. Advanced Materials Technologies, 2020, 5, 1900888.	5.8	49
10	In Situ Growth of NiO@SnO₂ Hierarchical Nanostructures for High Performance H₂S Sensing. ACS Applied Materials & Interfaces, 2019, 11, 44829-44836.	8.0	44
11	Bioinspired Flexible Volatile Organic Compounds Sensor Based on Dynamic Surface Wrinkling with Dualâ€Signal Response. Small, 2019, 15, e1900216.	10.0	37
12	Highly stretchable potentiometric ion sensor based on surface strain redistributed fiber for sweat monitoring. Talanta, 2020, 214, 120869.	5.5	35
13	Hierarchical Structure Formation and Effect Mechanism of Ni/Mn Layered Double Hydroxides Microspheres with Large-Scale Production for Flexible Asymmetric Supercapacitors. ACS Applied Energy Materials, 2018, 1, 2242-2253.	5.1	27
14	Highly Selective Biomimetic Flexible Tactile Sensor for Neuroprosthetics. Research, 2020, 2020, 8910692.	5.7	26
15	Iron vacancies and surface modulation of iron disulfide nanoflowers as a high power/energy density cathode for ultralong-life stable Li storage. Journal of Materials Chemistry A, 2020, 8, 14769-14777.	10.3	23
16	Multifunctional biomimetic tactile system via a stick-slip sensing strategy for humanâ€“machine interactions. Npj Flexible Electronics, 2022, 6, .	10.7	22
17	A multiscale flexible pressure sensor based on nanovesicle-like hollow microspheres for micro-vibration detection in non-contact mode. Nanoscale, 2019, 11, 5737-5745.	5.6	19
18	Humidity-Insensitive NO2 Sensors Based on SnO2/rGO Composites. Frontiers in Chemistry, 2021, 9, 681313.	3.6	19

#	Article	IF	Citations
19	â€œTop-downâ€•and â€œbottom-upâ€•strategies for wafer-scaled miniaturized gas sensors design and fabrication. Microsystems and Nanoengineering, 2020, 6, 31.	7.0	18
20	Interfacial lithium-nitrogen bond catalyzes sulfide oxidation reactions in high-loading Li2S cathode. Chemical Engineering Journal, 2022, 429, 132352.	12.7	18
21	Flow Alters the Interfacial Reactions of Upconversion Nanocrystals Probed by In Situ Sum Frequency Generation. Advanced Materials Interfaces, 2020, 7, 1902046.	3.7	11
22	Rhinophore bio-inspired stretchable and programmable electrochemical sensor. Biosensors and Bioelectronics, 2019, 142, 111519.	10.1	9
23	A sequential process to synthesize Fe₃O₄@MnO₂ hollow nanospheres for high performance supercapacitors. Materials Chemistry Frontiers, 2022, 6, 1938-1947.	5.9	8
24	Superelastic alloy based electrical interconnects for highly stretchable electronics. Npj Flexible Electronics, 2022, 6, .	10.7	7
25	Stable epidermal electronic device with strain isolation induced by in situ Joule heating. Microsystems and Nanoengineering, 2021, 7, 56.	7.0	6
26	High-Performance Aqueous Zn Battery Based on MoS₂-Loaded MnO_{2â€“x}@Carbon Aerogel. Journal of Physical Chemistry Letters, 2021, 12, 11114-11121.	4.6	3
27	Hierarchical Carbon Nanotubeâ€Supported Conductive Metalâ€“Organic Framework Nanosheet toward Highâ€Strain Ionic Soft Actuator. Advanced Materials Technologies, 2022, 7, .	5.8	3
28	Humidity Sensors: Porous Ionic Membrane Based Flexible Humidity Sensor and its Multifunctional Applications (Adv. Sci. 5/2017). Advanced Science, 2017, 4, .	11.2	2
29	Flexible Sensors: Bioinspired Flexible Volatile Organic Compounds Sensor Based on Dynamic Surface Wrinkling with Dualâ€Signal Response (Small 17/2019). Small, 2019, 15, 1970090.	10.0	1
30	Flexible Synaptic Transistors: Bioinspired Flexible, Dualâ€Modulation Synaptic Transistors toward Artificial Visual Memory Systems (Adv. Mater. Technol. 1/2020). Advanced Materials Technologies, 2020, 5, 2070006.	5.8	0