

Zhi Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,190
citations

430442

18
h-index

552369

26
g-index

28
all docs

28
docs citations

28
times ranked

3745
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-powered ultra-flexible electronics via nano-grating-patterned organic photovoltaics. <i>Nature</i> , 2018, 561, 516-521.	13.7	743
2	A reduced graphene oxide/mixed-valence manganese oxide composite electrode for tailorable and surface mountable supercapacitors with high capacitance and super-long life. <i>Energy and Environmental Science</i> , 2017, 10, 941-949.	15.6	253
3	A Highly Sensitive Capacitive-type Strain Sensor Using Wrinkled Ultrathin Gold Films. <i>Nano Letters</i> , 2018, 18, 5610-5617.	4.5	212
4	A durable nanomesh on-skin strain gauge for natural skin motion monitoring with minimum mechanical constraints. <i>Science Advances</i> , 2020, 6, eabb7043.	4.7	155
5	Highly Stretchable Metallic Nanowire Networks Reinforced by the Underlying Randomly Distributed Elastic Polymer Nanofibers via Interfacial Adhesion Improvement. <i>Advanced Materials</i> , 2019, 31, e1903446.	11.1	106
6	Efficient and Mechanically Robust Ultraflexible Organic Solar Cells Based on Mixed Acceptors. <i>Joule</i> , 2020, 4, 128-141.	11.7	101
7	Smart Face Mask Based on an Ultrathin Pressure Sensor for Wireless Monitoring of Breath Conditions. <i>Advanced Materials</i> , 2022, 34, e2107758.	11.1	75
8	Reverse-Offset Printed Ultrathin Ag Mesh for Robust Conformal Transparent Electrodes for High-Performance Organic Photovoltaics. <i>Advanced Materials</i> , 2018, 30, e1707526.	11.1	59
9	Robust, self-adhesive, reinforced polymeric nanofilms enabling gas-permeable dry electrodes for long-term application. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	57
10	Sintering mechanism of the Cu-Ag core-shell nanoparticle paste at low temperature in ambient air. <i>RSC Advances</i> , 2016, 6, 91783-91790.	1.7	56
11	Highly efficient organic photovoltaics with enhanced stability through the formation of doping-induced stable interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6391-6397.	3.3	53
12	Stretchable organic optoelectronic devices: Design of materials, structures, and applications. <i>Materials Science and Engineering Reports</i> , 2021, 146, 100631.	14.8	48
13	Ultrahigh-Working-Frequency Embedded Supercapacitors with 1T Phase MoSe ₂ Nanosheets for System-in-Package Application. <i>Advanced Functional Materials</i> , 2019, 29, 1807116.	7.8	47
14	Surface Engineering of a 3D Topological Network for Ultrasensitive Piezoresistive Pressure Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38805-38812.	4.0	38
15	Durable Ultraflexible Organic Photovoltaics with Novel Metal-Free Cathode. <i>Advanced Functional Materials</i> , 2019, 29, 1808378.	7.8	34
16	Synthesis and characterization of ultra-long and pencil-like copper nanowires with a penta-twinned structure by hydrothermal method. <i>Materials Letters</i> , 2014, 136, 310-313.	1.3	32
17	Self-Polarization of PVDF Film Triggered by Hydrophilic Treatment for Pyroelectric Sensor with Ultra-Low Piezoelectric Noise. <i>Nanoscale Research Letters</i> , 2019, 14, 72.	3.1	26
18	Intrinsically Stretchable, Transient Conductors from a Composite Material of Ag Flakes and Gelatin Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27572-27577.	4.0	26

#	ARTICLE	IF	CITATIONS
19	Facile synthesis of Cu@Ag hybrid nanowires with strong surface-enhanced Raman scattering sensitivity. CrystEngComm, 2016, 18, 1200-1206.	1.3	17
20	Ultraflexible Integrated Organic Electronics for Ultrasensitive Photodetection. Advanced Materials Technologies, 2021, 6, .	3.0	15
21	Embeddable Supercapacitors: Ultrahigh-Working-Frequency Embedded Supercapacitors with 1T Phase MoSe ₂ Nanosheets for System-in-Package Application (Adv. Funct. Mater. 9/2019). Advanced Functional Materials, 2019, 29, 1970058.	7.8	10
22	Joining of Silver Nanowires by Femtosecond Laser Irradiation Method. Materials Transactions, 2015, 56, 981-983.	0.4	9
23	All-printed paper based surface mountable supercapacitors. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 676-681.	1.8	9
24	Smart Face Mask Based on an Ultrathin Pressure Sensor for Wireless Monitoring of Breath Conditions (Adv. Mater. 6/2022). Advanced Materials, 2022, 34, .	11.1	4
25	Flexible Electronics: Highly Stretchable Metallic Nanowire Networks Reinforced by the Underlying Randomly Distributed Elastic Polymer Nanofibers via Interfacial Adhesion Improvement (Adv. Mater.) Tj ETQq1 1 0.784314 rg8T /Overbo	11.1	4
26	Transparent Electrodes: Reverse-Offset Printed Ultrathin Ag Mesh for Robust Conformal Transparent Electrodes for High-Performance Organic Photovoltaics (Adv. Mater. 26/2018). Advanced Materials, 2018, 30, 1870190.	11.1	2
27	Joining of silver nanoparticles by femtosecond laser irradiation method. , 2015, , .		0
28	All-printed paper based supercapacitors. , 2017, , .		0