

Zhi Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,190
citations

430874

18
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552781

26
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28
all docs

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docs citations

28
times ranked

3745
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart Face Mask Based on an Ultrathin Pressure Sensor for Wireless Monitoring of Breath Conditions. <i>Advanced Materials</i> , 2022, 34, e2107758.	21.0	75
2	Smart Face Mask Based on an Ultrathin Pressure Sensor for Wireless Monitoring of Breath Conditions (Adv. Mater. 6/2022). <i>Advanced Materials</i> , 2022, 34, .	21.0	4
3	Ultraflexible Integrated Organic Electronics for Ultrasensitive Photodetection. <i>Advanced Materials Technologies</i> , 2021, 6, .	5.8	15
4	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, .	7.1	57
5	Stretchable organic optoelectronic devices: Design of materials, structures, and applications. <i>Materials Science and Engineering Reports</i> , 2021, 146, 100631.	31.8	48
6	Efficient and Mechanically Robust Ultraflexible Organic Solar Cells Based on Mixed Acceptors. <i>Joule</i> , 2020, 4, 128-141.	24.0	101
7	Surface Engineering of a 3D Topological Network for Ultrasensitive Piezoresistive Pressure Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38805-38812.	8.0	38
8	A durable nanomesh on-skin strain gauge for natural skin motion monitoring with minimum mechanical constraints. <i>Science Advances</i> , 2020, 6, eabb7043.	10.3	155
9	Intrinsically Stretchable, Transient Conductors from a Composite Material of Ag Flakes and Gelatin Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27572-27577.	8.0	26
10	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.	7.1	53
11	Ultrahigh-Working-Frequency Embedded Supercapacitors with 1T Phase MoSe ₂ Nanosheets for System-in-Package Application. <i>Advanced Functional Materials</i> , 2019, 29, 1807116.	14.9	47
12	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.	5.7	26
13	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.	21.0	106
14	Flexible Electronics: Highly Stretchable Metallic Nanowire Networks Reinforced by the Underlying Randomly Distributed Elastic Polymer Nanofibers via Interfacial Adhesion Improvement (Adv. Mater.)	21.0	106
15	Embeddable Supercapacitors: Ultrahigh-Working-Frequency Embedded Supercapacitors with 1T Phase MoSe ₂ Nanosheets for System-in-Package Application (Adv. Funct. Mater. 9/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970058.	14.9	10
16	Durable Ultraflexible Organic Photovoltaics with Novel Metal-Oxide-Free Cathode. <i>Advanced Functional Materials</i> , 2019, 29, 1808378.	14.9	34
17	Self-powered ultra-flexible electronics via nano-grating-patterned organic photovoltaics. <i>Nature</i> , 2018, 561, 516-521.	27.8	743
18	Transparent Electrodes: Reverse-Offset Printed Ultrathin Ag Mesh for Robust Conformal Transparent Electrodes for High-Performance Organic Photovoltaics (Adv. Mater. 26/2018). <i>Advanced Materials</i> , 2018, 30, 1870190.	21.0	2

#	ARTICLE	IF	CITATIONS
19	A Highly Sensitive Capacitive-type Strain Sensor Using Wrinkled Ultrathin Gold Films. Nano Letters, 2018, 18, 5610-5617.	9.1	212
20	Reverse-Offset Printed Ultrathin Ag Mesh for Robust Conformal Transparent Electrodes for High-Performance Organic Photovoltaics. Advanced Materials, 2018, 30, e1707526.	21.0	59
21	A reduced graphene oxide/mixed-valence manganese oxide composite electrode for tailorable and surface mountable supercapacitors with high capacitance and super-long life. Energy and Environmental Science, 2017, 10, 941-949.	30.8	253
22	All-printed paper based surface mountable supercapacitors. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 676-681.	2.9	9
23	All-printed paper based supercapacitors. , 2017, , .		0
24	Sintering mechanism of the Cu-Ag core-shell nanoparticle paste at low temperature in ambient air. RSC Advances, 2016, 6, 91783-91790.	3.6	56
25	Facile synthesis of Cu-Ag hybrid nanowires with strong surface-enhanced Raman scattering sensitivity. CrystEngComm, 2016, 18, 1200-1206.	2.6	17
26	Joining of Silver Nanowires by Femtosecond Laser Irradiation Method. Materials Transactions, 2015, 56, 981-983.	1.2	9
27	Joining of silver nanoparticles by femtosecond laser irradiation method. , 2015, , .		0
28	Synthesis and characterization of ultra-long and pencil-like copper nanowires with a penta-twinned structure by hydrothermal method. Materials Letters, 2014, 136, 310-313.	2.6	32