

Yang Yang

List of Publications by Year in descending order

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37
papers

13,715
citations

394286

19
h-index

434063

31
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38
all docs

38
docs citations

38
times ranked

26461
citing authors

#	ARTICLE	IF	CITATIONS
1	Early Transmission Dynamics in Wuhan, China, of Novel Coronavirus-Infected Pneumonia. <i>New England Journal of Medicine</i> , 2020, 382, 1199-1207.	13.9	12,326
2	Recent Advancements in Flexible and Stretchable Electrodes for Electromechanical Sensors: Strategies, Materials, and Features. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12147-12164.	4.0	359
3	Reduced Graphene Oxide Conformally Wrapped Silver Nanowire Networks for Flexible Transparent Heating and Electromagnetic Interference Shielding. <i>ACS Nano</i> , 2020, 14, 8754-8765.	7.3	135
4	Facile fabrication of stretchable Ag nanowire/polyurethane electrodes using high intensity pulsed light. <i>Nano Research</i> , 2016, 9, 401-414.	5.8	128
5	Low-temperature and pressureless sinter joining of Cu with micron/submicron Ag particle paste in air. <i>Journal of Alloys and Compounds</i> , 2019, 780, 435-442.	2.8	98
6	Stretchable sensors for environmental monitoring. <i>Applied Physics Reviews</i> , 2019, 6, .	5.5	83
7	Alloying and Embedding of Cu-Core/Ag-Shell Nanowires for Ultrastable Stretchable and Transparent Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18540-18547.	4.0	45
8	Large-Scale and Galvanic Replacement Free Synthesis of Cu@Ag Core-Shell Nanowires for Flexible Electronics. <i>Inorganic Chemistry</i> , 2019, 58, 3374-3381.	1.9	44
9	Good Practices for Rechargeable Lithium Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A4141-A4149.	1.3	42
10	Arbitrarily Shaped 2.5D Circuits using Stretchable Interconnects Embedded in Thermoplastic Polymers. <i>Advanced Engineering Materials</i> , 2017, 19, 1700032.	1.6	40
11	Design and fabrication of a flexible dielectric sensor system for in situ and real-time production monitoring of glass fibre reinforced composites. <i>Sensors and Actuators A: Physical</i> , 2016, 243, 103-110.	2.0	39
12	Fully embedded CuNWs/PDMS conductor with high oxidation resistance and high conductivity for stretchable electronics. <i>Journal of Materials Science</i> , 2019, 54, 6381-6392.	1.7	33
13	Highly Stable Transparent Conductive Electrodes Based on Silver-Platinum Alloy-Walled Hollow Nanowires for Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36128-36135.	4.0	30
14	Multifunctional and miniaturized flexible sensor patch: Design and application for in situ monitoring of epoxy polymerization. <i>Sensors and Actuators B: Chemical</i> , 2018, 261, 144-152.	4.0	29
15	3D Multifunctional Composites Based on Large-Area Stretchable Circuit with Thermoforming Technology. <i>Advanced Electronic Materials</i> , 2018, 4, 1800071.	2.6	27
16	Highly Conductive Ag Paste for Recoverable Wiring and Reliable Bonding Used in Stretchable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3231-3240.	4.0	27
17	Design and Integration of Flexible Sensor Matrix for in Situ Monitoring of Polymer Composites. <i>ACS Sensors</i> , 2018, 3, 1698-1705.	4.0	24
18	Ultra-Long-Term Reliable Encapsulation Using an Atomic Layer Deposited HfO ₂ /Al ₂ O ₃ /HfO ₂ Triple-Interlayer for Biomedical Implants. <i>Coatings</i> , 2019, 9, 579.	1.2	22

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19	Arbitrarily Shaped 2.5D Circuits Using Stretchable Interconnections and Embedding in Thermoplastic Polymers. <i>Procedia Technology</i> , 2014, 15, 208-215.	1.1	21
20	Development of a Dielectric Sensor System for the On-line Cure Monitoring of Composites. <i>Procedia Technology</i> , 2014, 15, 631-637.	1.1	18
21	RTM Production Monitoring of the A380 Hinge Arm Droop Nose Mechanism: A Multi-Sensor Approach. <i>Sensors</i> , 2016, 16, 866.	2.1	18
22	Design and fabrication of a shielded interdigital sensor for noninvasive <i>in situ</i> real-time production monitoring of polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2028-2037.	2.4	18
23	Highly Densified Cu Wirings Fabricated from Air-Stable Cu Complex Ink with High Conductivity, Enhanced Oxidation Resistance, and Flexibility. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800798.	1.9	18
24	A tube-shaped solid-liquid-interfaced triboelectric-electromagnetic hybrid nanogenerator for efficient ocean wave energy harvesting. <i>Nano Energy</i> , 2022, 100, 107540.	8.2	15
25	Monitoring the State-of-Charge of a Vanadium Redox Flow Battery with the Acoustic Attenuation Coefficient: An In Operando Noninvasive Method. <i>Small Methods</i> , 2019, 3, 1900494.	4.6	14
26	Three-Dimensional Stretchable and Transparent Conductors with Controllable Strain-Distribution Based on Template-Assisted Transfer Printing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2140-2148.	4.0	13
27	Lab-on-a-Fish: Wireless, Miniaturized, Fully Integrated, Implantable Biotelemetric Tag for Real-Time <i>In Vivo</i> Monitoring of Aquatic Animals. <i>IEEE Internet of Things Journal</i> , 2022, 9, 10751-10762.	5.5	12
28	A simple transmission dynamics model for predicting the evolution of COVID-19 under control measures in China. <i>Epidemiology and Infection</i> , 2021, 149, e43.	1.0	8
29	Fully Integrated Flexible Dielectric Monitoring Sensor System for Real-Time <i>In Situ</i> Prediction of the Degree of Cure and Glass Transition Temperature of an Epoxy Resin. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9.	2.4	7
30	One-time deformable thermoplastic devices based on flexible circuit board technology. , 2016, , .		6
31	Free-form 2.5D thermoplastic circuits using one-time stretchable interconnections. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1798, 1.	0.1	4
32	Capacitive sensor network for composites production monitoring. , 2016, , .		2
33	Stretchable Mold Interconnect Optimization: Peeling Automation and Carrierless Techniques. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019, 9, 955-962.	1.4	2
34	Soft and Stretchable Electronics Design. , 2023, , 258-286.		2
35	Deformable Microsystem for In Situ Cure Degree Monitoring of GFRP (Glass Fiber Reinforced Plastic). <i>Materials Research Society Symposia Proceedings</i> , 2015, 1798, 1.	0.1	0
36	Design and implementation of a real-time underwater acoustic telemetry system for fish behavior study and environmental sensing. , 2019, , .		0

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37	Harvesting wave energy to power acoustic transmitters using triboelectric nanogenerator. , 2022, , .		0