He Zhang

List of Publications by Year
in descending order

33 papers	638 citations	567281 15 h-index	610901 24 g-index
33 all docs	33 docs citations	33 times ranked	675 citing authors

#	Article	IF	Citations
1	High-performance conductive adhesives based on water-soluble resins for printed circuits, flexible conductive films, and electromagnetic interference shielding devices. Advanced Composites and Hybrid Materials, 2022, 5, 1730-1742.	21.1	26
2	A Dual pH/O2 Sensing Film Based on Functionalized Electrospun Nanofibers for Real-Time Monitoring of Cellular Metabolism. Molecules, 2022, 27, 1586.	3.8	2
3	High-Performance Conductive Polymer Composites by Incorporation of Polyaniline-Wrapped Halloysite Nanotubes and Silver Microflakes. ACS Applied Polymer Materials, 2022, 4, 3352-3360.	4.4	18
4	Tunable Synthesis of Hydrogel Microfibers via Interfacial Tetrazine Ligation. Biomacromolecules, 2022, 23, 3017-3030.	5.4	4
5	Ultrafast Parallel Micro-Gap Resistance Welding of an AuNi9 Microwire and Au Microlayer. Micromachines, 2021, 12, 51.	2.9	8
6	Joining of copper nanowires by electrodepositing silver layer for high-performance transparent electrode. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 1021-1030.	2.5	8
7	Transient solid-liquid interfacial reaction between Al wire and Au/Cu pad during parallel gap micro-resistance welding. Materials Letters, 2021, 288, 129340.	2.6	12
8	Highly stable and printable Ag NWs/GO/PVP composite ink for flexible electronics. Flexible and Printed Electronics, 2021, 6, 024002.	2.7	6
9	Pyridineâ€functionalized fullerene derivative as an independent electron transport layer enabling efficient and hysteresisâ€free regular perovskite solar cells. Nano Select, 2021, 2, 2192-2200.	3.7	2
10	Enabling In Vivo Photocatalytic Activation of Rapid Bioorthogonal Chemistry by Repurposing Silicon-Rhodamine Fluorophores as Cytocompatible Far-Red Photocatalysts. Journal of the American Chemical Society, 2021, 143, 10793-10803.	13.7	47
11	Phase transformation behavior of Al-Au-Cu intermetallic compounds under ultra-fast micro resistance bonding process. Materials Characterization, 2021, 180, 111401.	4.4	7
12	Fabrication of Ag@Ag2O-MnOx composite nanowires for high-efficient room-temperature removal of formaldehyde. Journal of Materials Science and Technology, 2021, 91, 5-16.	10.7	16
13	Robust Cu-Au alloy nanowires flexible transparent electrode for asymmetric electrochromic energy storage device. Chemical Engineering Journal, 2021, 426, 131438.	12.7	34
14	Silver flake/polyaniline composite ink for electrohydrodynamic printing of flexible heaters. Journal of Materials Science: Materials in Electronics, 2021, 32, 27373-27383.	2.2	9
15	Growth kinetics of (Cu_xNi_{1-x})₆Sn₅ intermetallic compound at the interface of mixed Sn63Pb37/SAC305 BGA solder joints during thermal aging test. Materials Research Express, 2021, 8, 106301.	1.6	3
16	High-efficiency extraction synthesis for high-purity copper nanowires and their applications in flexible transparent electrodes. Nano Materials Science, 2020, 2, 164-171.	8.8	27
17	Coreâ€“Shell Microfibers via Bioorthogonal Layer-by-Layer Assembly. ACS Macro Letters, 2020, 9, 1369-1375.	4.8	6
18	Electrodeposition fabrication of Cu@Ni core shell nanowire network for highly stable transparent conductive films. Chemical Engineering Journal, 2020, 390, 124495.	12.7	38

#	Article	IF	Citations
19	Highly stable flexible transparent electrode via rapid electrodeposition coating of Ag-Au alloy on copper nanowires for bifunctional electrochromic and supercapacitor device. Chemical Engineering Journal, 2020, 399, 125075.	12.7	57
20	Fabrication of Novel Printable Electrically Conductive Adhesives (ECAs) with Excellent Conductivity and Stability Enhanced by the Addition of Polyaniline Nanoparticles. Nanomaterials, 2019, 9, 960.	4.1	22
21	An eco-friendly water-assisted polyol method to enhance the aspect ratio of silver nanowires. RSC Advances, 2019, 9, 1933-1938.	3.6	17
22	Self-Limited Nanosoldering of Silver Nanowires for High-Performance Flexible Transparent Heaters. ACS Applied Materials & Interfaces, 2019, 11, 21850-21858.	8.0	42
23	TiO₂-Coated Coreâ€“Shell Ag Nanowire Networks for Robust and Washable Flexible Transparent Electrodes. ACS Applied Nano Materials, 2019, 2, 2456-2466.	5.0	26
24	One-Step Fabrication of Copper Nanopillar Array-Filled AAO Films by Pulse Electrodeposition for Anisotropic Thermal Conductive Interconnectors. ACS Omega, 2019, 4, 6092-6096.	3.5	11
25	A Modified Interposer Fabrication Process by Copper Nano-Pillars Filled in Anodic Aluminum Oxide Film for 3D Electronic Package. Applied Sciences (Switzerland), 2018, 8, 2188.	2.5	5
26	Cellular interactions with hydrogel microfibers synthesized via interfacial tetrazine ligation. Biomaterials, 2018, 180, 24-35.	11.4	15
27	Glass-on-LiNbO3 heterostructure formed via a two-step plasma activated low-temperature direct bonding method. Applied Surface Science, 2018, 459, 621-629.	6.1	42
28	Enhanced mechanical properties of Nylon6 nanocomposites containing pristine Î±-zirconium phosphate nanoplatelets of various sizes by melt-compounding. RSC Advances, 2017, 7, 32682-32691.	3.6	12
29	Rapid sintering of copper nanopaste by pulse current for power electronics packaging. , 2017, , .		5
30	Controlled hydrothermal synthesis of tri-wing tellurium nanoribbons and their template reaction. CrystEngComm, 2012, 14, 251-255.	2.6	12
31	Tri-wing bismuth telluride nanoribbons with quasi-periodic rough surfaces. Journal of Materials Chemistry, 2011, 21, 12375.	6.7	15
32	Controlled Synthesis of Tellurium Nanostructures from Nanotubes to Nanorods and Nanowires and Their Template Applications. Journal of Physical Chemistry C, 2011, 115, 6375-6380.	3.1	83
33	Magnetically Reusable and Well-dispersed Nanoparticles for Oxygen Detection in Water. Journal of Fluorescence, 0, , .	2.5	1