

Ming Chen

List of Publications by Year in descending order

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36
papers

959
citations

471371

17
h-index

454834

30
g-index

37
all docs

37
docs citations

37
times ranked

1064
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance, flexible, and ultralong crystalline thermoelectric fibers. <i>Nano Energy</i> , 2017, 41, 35-42.	8.2	132
2	Touchpoint-Tailored Ultrasensitive Piezoresistive Pressure Sensors with a Broad Dynamic Response Range and Low Detection Limit. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2551-2558.	4.0	108
3	Self-powered multifunctional sensing based on super-elastic fibers by soluble-core thermal drawing. <i>Nature Communications</i> , 2021, 12, 1416.	5.8	68
4	Single-Crystal SnSe Thermoelectric Fibers via Laser-Induced Directional Crystallization: From 1D Fibers to Multidimensional Fabrics. <i>Advanced Materials</i> , 2020, 32, e2002702.	11.1	57
5	Ordered and Atomically Perfect Fragmentation of Layered Transition Metal Dichalcogenides via Mechanical Instabilities. <i>ACS Nano</i> , 2017, 11, 9191-9199.	7.3	53
6	Highly Oriented Electrospun P(VDF-TrFE) Fibers via Mechanical Stretching for Wearable Motion Sensing. <i>Advanced Materials Technologies</i> , 2018, 3, 1800033.	3.0	46
7	Crack-Across-Pore Enabled High-Performance Flexible Pressure Sensors for Deep Neural Network Enhanced Sensing and Human Action Recognition. <i>ACS Nano</i> , 2022, 16, 8358-8369.	7.3	46
8	Controlled Fragmentation of Single-Atom-Thick Polycrystalline Graphene. <i>Matter</i> , 2020, 2, 666-679.	5.0	45
9	Flexible Piezoelectric Fibers for Acoustic Sensing and Positioning. <i>Advanced Electronic Materials</i> , 2017, 3, 1600449.	2.6	44
10	High-performance zero-standby-power-consumption-under-bending pressure sensors for artificial reflex arc. <i>Nano Energy</i> , 2020, 73, 104743.	8.2	40
11	Large-scale synthesis of single-crystalline self-standing SnSe ₂ nanoplate arrays for wearable gas sensors. <i>Nanotechnology</i> , 2018, 29, 455501.	1.3	37
12	Hierarchical Network Enabled Flexible Textile Pressure Sensor with Ultrabroad Response Range and High-Temperature Resistance. <i>Advanced Science</i> , 2022, 9, e2105738.	5.6	37
13	Tunable 3D light trapping architectures based on self-assembled SnSe ₂ nanoplate arrays for ultrasensitive SERS detection. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10179-10186.	2.7	36
14	Highly Sensitive and Wide Linear-Response Pressure Sensors Featuring Zero Standby Power Consumption under Bending Conditions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19563-19571.	4.0	30
15	Laser-Induced In-Fiber Fluid Dynamical Instabilities for Precise and Scalable Fabrication of Spherical Particles. <i>Advanced Functional Materials</i> , 2017, 27, 1703245.	7.8	29
16	Flexible and High Performance Piezoresistive Pressure Sensors Based on Hierarchical Flower-Shaped SnSe ₂ Nanoplates. <i>ACS Applied Energy Materials</i> , 2019, 2, 2803-2809.	2.5	25
17	Co-axial silicon/perovskite heterojunction arrays for high-performance direct-conversion pixelated X-ray detectors. <i>Nano Energy</i> , 2020, 78, 105335.	8.2	22
18	Formation of ultra-flexible, conformal, and nano-patterned photonic surfaces via polymer cold-drawing. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4649-4657.	2.7	17

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19	Twin Photonic Hooks Generated by Twin-Ellipse Microcylinder. <i>IEEE Photonics Journal</i> , 2020, 12, 1-9.	1.0	15
20	Enabling Low-Temperature Deposition of High-Efficiency CIGS Solar Cells with a Modified Three-Stage Co-Evaporation Process. <i>ACS Applied Energy Materials</i> , 2020, 3, 4201-4207.	2.5	11
21	Wafer-Scale Growth of Vertically Structured SnSe ₂ Nanosheets for Highly Sensitive, Fast-Response UV-Vis-NIR Broadband Photodetectors. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	10
22	High efficiency CIGS solar cells on flexible stainless steel substrate with SiO ₂ diffusion barrier layer. <i>Solar Energy</i> , 2021, 230, 1033-1039.	2.9	9
23	Influence of alkali element post-deposition treatment on the performance of the CIGS solar cells on flexible stainless steel substrates. <i>Materials Letters</i> , 2021, 302, 130410.	1.3	8
24	Integrated liquid crystal photonic bandgap fiber devices. <i>Frontiers of Optoelectronics</i> , 2016, 9, 466-482.	1.9	6
25	Recent Advances and Prospects of Fiber-Shaped Rechargeable Aqueous Alkaline Batteries. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100060.	2.8	5
26	Toward High-Efficiency Cu(In,Ga)(S,Se) ₂ Solar Cells by a Simultaneous Selenization and Sulfurization Rapid Thermal Process. <i>ACS Applied Energy Materials</i> , 2021, 4, 14546-14553.	2.5	5
27	Structure, charge transfer, and superconductivity of M-doped phenanthrene (M = Al, Ga, and In): A comparative study of K-doped cases. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	4
28	Selenium Vacancies and Synergistic Effect of Near- and Far-Field-Enabled Ultrasensitive Surface-Enhanced Raman-Scattering-Active Substrates for Malaria Detection. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1453-1463.	2.1	4
29	High-performance x-ray source based on graphene oxide-coated Cu ₂ S nanowires grown on copper film. <i>Nanotechnology</i> , 2020, 31, 485202.	1.3	3
30	Ionic migration induced loss analysis of perovskite solar cells: a poling study. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 7805-7814.	1.3	3
31	A novel energy-resolved radiation detector based on the optimized CIGS photoelectric absorption layer. <i>Journal of Power Sources</i> , 2022, 536, 231520.	4.0	2
32	Optimization of the substrate temperature of narrow bandgap CIS solar cells by three stage coevaporation process. <i>Materials Science in Semiconductor Processing</i> , 2022, 149, 106879.	1.9	2
33	On convolution model for ultrasound echo signal processing. , 2012, , .		0
34	Particles: Laser-Induced In-Fiber Fluid Dynamical Instabilities for Precise and Scalable Fabrication of Spherical Particles (<i>Adv. Funct. Mater.</i> 43/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	0
35	An Iterative Constrained Least Squares Filter for Ultrasound Image Deconvolution. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006, , .	0.5	0
36	Modeling and Identification of practical ultrasound transducers in ultrasound imaging systems. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006, , .	0.5	0