

Xinqin Liao

List of Publications by Year in descending order

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284
papers

16,769
citations

7551

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286
all docs

286
docs citations

286
times ranked

17822
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Atom Vacancy Defect to Trigger High-Efficiency Hydrogen Evolution of MoS ₂ . Journal of the American Chemical Society, 2020, 142, 4298-4308.	6.6	585
2	Flexible and Highly Sensitive Strain Sensors Fabricated by Pencil Drawn for Wearable Monitor. Advanced Functional Materials, 2015, 25, 2395-2401.	7.8	439
3	Stretchable "Rubber" Based Triboelectric Nanogenerator and Its Application as Self-Powered Body Motion Sensors. Advanced Functional Materials, 2015, 25, 3688-3696.	7.8	320
4	A highly shape-adaptive, stretchable design based on conductive liquid for energy harvesting and self-powered biomechanical monitoring. Science Advances, 2016, 2, e1501624.	4.7	274
5	A Highly Stretchable ZnO@Fiber Based Multifunctional Nanosensor for Strain/Temperature/UV Detection. Advanced Functional Materials, 2016, 26, 3074-3081.	7.8	239
6	High output piezoelectric nanocomposite generators composed of oriented BaTiO ₃ NPs@PVDF. Nano Energy, 2015, 11, 719-727.	8.2	237
7	Piezoelectric effect in chemical vapour deposition-grown atomic-monolayer triangular molybdenum disulfide piezotronics. Nature Communications, 2015, 6, 7430.	5.8	233
8	A Flexible, Stretchable and Shape-Adaptive Approach for Versatile Energy Conversion and Self-Powered Biomedical Monitoring. Advanced Materials, 2015, 27, 3817-3824.	11.1	227
9	Scanning Probe Study on the Piezotronic Effect in ZnO Nanomaterials and Nanodevices. Advanced Materials, 2012, 24, 4647-4655.	11.1	219
10	Enhanced photoelectrochemical efficiency and stability using a conformal TiO ₂ film on a black silicon photoanode. Nature Energy, 2017, 2, .	19.8	217
11	Ultrasensitive and stretchable resistive strain sensors designed for wearable electronics. Materials Horizons, 2017, 4, 502-510.	6.4	206
12	Band alignment engineering for improved performance and stability of ZnFe ₂ O ₄ modified CdS/ZnO nanostructured photoanode for PEC water splitting. Nano Energy, 2016, 24, 25-31.	8.2	196
13	Macroporous Double-Network Hydrogel for High-Efficiency Solar Steam Generation Under 1 sun Illumination. ACS Applied Materials & Interfaces, 2018, 10, 10998-11007.	4.0	194
14	Poly(4-styrenesulfonate)-induced sulfur vacancy self-healing strategy for monolayer MoS ₂ homojunction photodiode. Nature Communications, 2017, 8, 15881.	5.8	191
15	Stretchable and Waterproof Self-Charging Power System for Harvesting Energy from Diverse Deformation and Powering Wearable Electronics. ACS Nano, 2016, 10, 6519-6525.	7.3	182
16	Electromagnetic Shielding Hybrid Nanogenerator for Health Monitoring and Protection. Advanced Functional Materials, 2018, 28, 1703801.	7.8	178
17	3D-Branched ZnO/CdS Nanowire Arrays for Solar Water Splitting and the Service Safety Research. Advanced Energy Materials, 2016, 6, 1501459.	10.2	177
18	Graphdiyne: Bridging SnO ₂ and Perovskite in Planar Solar Cells. Angewandte Chemie - International Edition, 2020, 59, 11573-11582.	7.2	171

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19	Aâ€”Site Management Prompts the Dynamic Reconstructed Active Phase of Perovskite Oxide OER Catalysts. <i>Advanced Energy Materials</i> , 2021, 11, 2003755.	10.2	171
20	Harvesting Ambient Vibration Energy over a Wide Frequency Range for Self-Powered Electronics. <i>ACS Nano</i> , 2017, 11, 1728-1735.	7.3	169
21	Recent Advances in Triboelectric Nanogeneratorâ€”Based Health Monitoring. <i>Advanced Functional Materials</i> , 2019, 29, 1808849.	7.8	167
22	Highly transparent triboelectric nanogenerator for harvesting water-related energy reinforced by antireflection coating. <i>Scientific Reports</i> , 2015, 5, 9080.	1.6	165
23	3D printing of ionic conductors for high-sensitivity wearable sensors. <i>Materials Horizons</i> , 2019, 6, 767-780.	6.4	165
24	Highâ€”Performance Solarâ€”Blind Deep Ultraviolet Photodetector Based on Individual Singleâ€”Crystalline Zn ₂ GeO ₄ Nanowire. <i>Advanced Functional Materials</i> , 2016, 26, 704-712.	7.8	163
25	Flexible Piezoelectric Nanocomposite Generators Based on Formamidinium Lead Halide Perovskite Nanoparticles. <i>Advanced Functional Materials</i> , 2016, 26, 7708-7716.	7.8	163
26	High-order superlattices by rolling up van der Waals heterostructures. <i>Nature</i> , 2021, 591, 385-390.	13.7	163
27	Selfâ€”Powered Trajectory, Velocity, and Acceleration Tracking of a Moving Object/Body using a Triboelectric Sensor. <i>Advanced Functional Materials</i> , 2014, 24, 7488-7494.	7.8	161
28	Electromagnetic wave absorption in reduced graphene oxide functionalized with Fe ₃ O ₄ /Fe nanorings. <i>Nano Research</i> , 2016, 9, 2018-2025.	5.8	161
29	Directed Growth and Microwave Absorption Property of Crossed ZnO Netlike Micro-/Nanostructures. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10088-10091.	1.5	154
30	Flexible and printable paper-based strain sensors for wearable and large-area green electronics. <i>Nanoscale</i> , 2016, 8, 13025-13032.	2.8	154
31	Investigation on the broadband electromagnetic wave absorption properties and mechanism of Co ₃ O ₄ -nanosheets/reduced-graphene-oxide composite. <i>Nano Research</i> , 2017, 10, 980-990.	5.8	154
32	Interface Engineering for Modulation of Charge Carrier Behavior in ZnO Photoelectrochemical Water Splitting. <i>Advanced Functional Materials</i> , 2019, 29, 1808032.	7.8	153
33	Flexible piezoelectric nanogenerators based on a fiber/ZnO nanowires/paper hybrid structure for energy harvesting. <i>Nano Research</i> , 2014, 7, 917-928.	5.8	152
34	Electronic Structure Engineering of Cu ₂ O Film/ZnO Nanorods Array All-Oxide p-n Heterostructure for Enhanced Photoelectrochemical Property and Self-powered Biosensing Application. <i>Scientific Reports</i> , 2015, 5, 7882.	1.6	151
35	Bioinspired stretchable triboelectric nanogenerator as energy-harvesting skin for self-powered electronics. <i>Nano Energy</i> , 2017, 39, 429-436.	8.2	147
36	Engineering an Earthâ€”Abundant Elementâ€”Based Bifunctional Electrocatalyst for Highly Efficient and Durable Overall Water Splitting. <i>Advanced Functional Materials</i> , 2019, 29, 1807031.	7.8	146

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37	Highly stretchable strain sensors with reduced graphene oxide sensing liquids for wearable electronics. <i>Nanoscale</i> , 2018, 10, 5264-5271.	2.8	144
38	Self-Powered Photoelectrochemical Biosensor Based on CdS/RGO/ZnO Nanowire Array Heterostructure. <i>Small</i> , 2016, 12, 245-251.	5.2	142
39	Recyclable and Green Triboelectric Nanogenerator. <i>Advanced Materials</i> , 2017, 29, 1604961.	11.1	141
40	Enhanced photoelectrochemical property of ZnO nanorods array synthesized on reduced graphene oxide for self-powered biosensing application. <i>Biosensors and Bioelectronics</i> , 2015, 64, 499-504.	5.3	133
41	Green hybrid power system based on triboelectric nanogenerator for wearable/portable electronics. <i>Nano Energy</i> , 2019, 55, 151-163.	8.2	129
42	Self-powered artificial electronic skin for high-resolution pressure sensing. <i>Nano Energy</i> , 2017, 32, 389-396.	8.2	125
43	In Situ Preparation of Cobalt Nanoparticles Decorated in N-Doped Carbon Nanofibers as Excellent Electromagnetic Wave Absorbers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22591-22601.	4.0	124
44	Enhanced microwave absorption performance of highly dispersed CoNi nanostructures arrayed on graphene. <i>Nano Research</i> , 2018, 11, 2689-2704.	5.8	123
45	Deciphering the NH_4PbI_3 Intermediate Phase for Simultaneous Improvement on Nucleation and Crystal Growth of Perovskite. <i>Advanced Functional Materials</i> , 2017, 27, 1701804.	7.8	117
46	Graphene-Based Mixed-Dimensional van der Waals Heterostructures for Advanced Optoelectronics. <i>Advanced Materials</i> , 2019, 31, e1806411.	11.1	115
47	Carbon fiber-ZnO nanowire hybrid structures for flexible and adaptable strain sensors. <i>Nanoscale</i> , 2013, 5, 12350.	2.8	112
48	Development, applications, and future directions of triboelectric nanogenerators. <i>Nano Research</i> , 2018, 11, 2951-2969.	5.8	112
49	Self-powered user-interactive electronic skin for programmable touch operation platform. <i>Science Advances</i> , 2020, 6, eaba4294.	4.7	112
50	One-Piece Triboelectric Nanosensor for Self-Triggered Alarm System and Latent Fingerprint Detection. <i>ACS Nano</i> , 2016, 10, 10366-10372.	7.3	108
51	Flexible, Cuttable, and Self-Waterproof Bending Strain Sensors Using Microcracked Gold Nanofilms@Paper Substrate. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4151-4158.	4.0	107
52	A High-Performance Self-Powered Photodetector Based on Monolayer MoS_2 /Perovskite Heterostructures. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701275.	1.9	107
53	Interfacial Charge Behavior Modulation in Perovskite Quantum Dot-Monolayer MoS_2 0D-2D Mixed-Dimensional van der Waals Heterostructures. <i>Advanced Functional Materials</i> , 2018, 28, 1802015.	7.8	107
54	Hydrophobic Polystyrene Passivation Layer for Simultaneously Improved Efficiency and Stability in Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18787-18795.	4.0	107

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55	Service Behavior of Multifunctional Triboelectric Nanogenerators. <i>Advanced Materials</i> , 2017, 29, 1606703.	11.1	106
56	Design of sandwich-structured ZnO/ZnS/Au photoanode for enhanced efficiency of photoelectrochemical water splitting. <i>Nano Research</i> , 2015, 8, 2891-2900.	5.8	104
57	Single-Atom Engineering to Ignite 2D Transition Metal Dichalcogenide Based Catalysis: Fundamentals, Progress, and Beyond. <i>Chemical Reviews</i> , 2022, 122, 1273-1348.	23.0	104
58	Near-ideal van der Waals rectifiers based on all-two-dimensional Schottky junctions. <i>Nature Communications</i> , 2021, 12, 1522.	5.8	103
59	High On/Off Ratio Improvement of ZnO-Based Forming-Free Memristor by Surface Hydrogen Annealing. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7382-7388.	4.0	102
60	Photoelectrochemical performance enhancement of ZnO photoanodes from ZnIn ₂ S ₄ nanosheets coating. <i>Nano Energy</i> , 2015, 14, 392-400.	8.2	98
61	A self-powered ultraviolet photodetector based on solution-processed p-NiO/n-ZnO nanorod array heterojunction. <i>RSC Advances</i> , 2015, 5, 5976-5981.	1.7	97
62	Enhanced Efficiency and Stability of Perovskite Solar Cells via Anti-Solvent Treatment in Two-Step Deposition Method. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7224-7231.	4.0	97
63	Performance and service behavior in 1-D nanostructured energy conversion devices. <i>Nano Energy</i> , 2015, 14, 30-48.	8.2	96
64	Temperature-dependent electrochemical capacitive performance of the γ -Fe ₂ O ₃ hollow nanoshuttles as supercapacitor electrodes. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 291-296.	5.0	94
65	An Amphiphobic Hydraulic Triboelectric Nanogenerator for a Self-Cleaning and Self-Charging Power System. <i>Advanced Functional Materials</i> , 2018, 28, 1803117.	7.8	94
66	Strain-Engineered van der Waals Interfaces of Mixed-Dimensional Heterostructure Arrays. <i>ACS Nano</i> , 2019, 13, 9057-9066.	7.3	94
67	Defect-Engineered Atomically Thin MoS ₂ Homogeneous Electronics for Logic Inverters. <i>Advanced Materials</i> , 2020, 32, e1906646.	11.1	94
68	Enhanced photoresponse of Cu ₂ O/ZnO heterojunction with piezo-modulated interface engineering. <i>Nano Research</i> , 2014, 7, 860-868.	5.8	93
69	Kelvin probe force microscopy for perovskite solar cells. <i>Science China Materials</i> , 2019, 62, 776-789.	3.5	93
70	Improved Photoresponse Performance of Self-Powered ZnO/Spiro-MeOTAD Heterojunction Ultraviolet Photodetector by Piezo-Phototronic Effect. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6137-6143.	4.0	92
71	Self-powered photoelectrochemical biosensing platform based on Au NPs@ZnO nanorods array. <i>Nano Research</i> , 2016, 9, 344-352.	5.8	92
72	Integrated multi-unit transparent triboelectric nanogenerator harvesting rain power for driving electronics. <i>Nano Energy</i> , 2016, 25, 18-25.	8.2	91

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73	Highly Robust and Self-Powered Electronic Skin Based on Tough Conductive Self-Healing Elastomer. ACS Nano, 2020, 14, 9066-9072.	7.3	90
74	Advent of alkali metal doping: a roadmap for the evolution of perovskite solar cells. Chemical Society Reviews, 2021, 50, 2696-2736.	18.7	90
75	Gold nanoparticle/ZnO nanorod hybrids for enhanced reactive oxygen species generation and photodynamic therapy. Nano Research, 2015, 8, 2004-2014.	5.8	85
76	Strain Modulation in Graphene/ZnO Nanorod Film Schottky Junction for Enhanced Photosensing Performance. Advanced Functional Materials, 2016, 26, 1347-1353.	7.8	85
77	A bioinspired analogous nerve towards artificial intelligence. Nature Communications, 2020, 11, 268.	5.8	80
78	Strain Engineering in 2D Material-Based Flexible Optoelectronics. Small Methods, 2021, 5, e2000919.	4.6	80
79	Monolithic Dual-Material 3D Printing of Ionic Skins with Long-Term Performance Stability. Advanced Functional Materials, 2019, 29, 1904716.	7.8	76
80	Three-Dimensional Ordered ZnO/Cu ₂ O Nanoheterojunctions for Efficient Metal-Oxide Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 3216-3223.	4.0	74
81	Enhanced Performance of ZnO Piezotronic Pressure Sensor through Electron-Tunneling Modulation of MgO Nanolayer. ACS Applied Materials & Interfaces, 2015, 7, 1602-1607.	4.0	70
82	Investigation on the optimization, design and microwave absorption properties of reduced graphene oxide/tetrapod-like ZnO composites. RSC Advances, 2015, 5, 10197-10203.	1.7	70
83	ZnO nanostructures in enzyme biosensors. Science China Materials, 2015, 58, 60-76.	3.5	70
84	Fiber-shaped asymmetric supercapacitors with ultrahigh energy density for flexible/wearable energy storage. Journal of Materials Chemistry A, 2016, 4, 17704-17710.	5.2	69
85	Self-Healing Originated van der Waals Homojunctions with Strong Interlayer Coupling for High-Performance Photodiodes. ACS Nano, 2019, 13, 3280-3291.	7.3	69
86	Morphology, structures and properties of ZnO nanobelts fabricated by Zn-powder evaporation without catalyst at lower temperature. Journal of Materials Science, 2006, 41, 3057-3062.	1.7	68
87	Synergistic Effect of Surface Plasmonic particles and Surface Passivation layer on ZnO Nanorods Array for Improved Photoelectrochemical Water Splitting. Scientific Reports, 2016, 6, 29907.	1.6	68
88	Phase reconfiguration of multivalent nickel sulfides in hydrogen evolution. Energy and Environmental Science, 2022, 15, 633-644.	15.6	68
89	Nonenzymatic Glucose Sensor Based on In Situ Reduction of Ni/NiO-Graphene Nanocomposite. Sensors, 2016, 16, 1791.	2.1	66
90	Highly sensitive uric acid biosensor based on individual zinc oxide micro/nanowires. Mikrochimica Acta, 2013, 180, 759-766.	2.5	65

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91	Hidden Vacancy Benefit in Monolayer 2D Semiconductors. <i>Advanced Materials</i> , 2021, 33, e2007051.	11.1	65
92	Self-Healing Recovering Triboelectric Nanogenerator as Active Multifunctional Sensors. <i>Advanced Functional Materials</i> , 2015, 25, 6489-6494.	7.8	63
93	Probing photoelectrical transport in lead halide perovskites with van der Waals contacts. <i>Nature Nanotechnology</i> , 2020, 15, 768-775.	15.6	63
94	Emerging Conductive Atomic Force Microscopy for Metal Halide Perovskite Materials and Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 1903922.	10.2	63
95	Site Management for Highly Crystalline Perovskites. <i>Advanced Materials</i> , 2020, 32, e1904702.	11.1	62
96	Manipulation of Perovskite Crystallization Kinetics via Lewis Base Additives. <i>Advanced Functional Materials</i> , 2021, 31, 2009425.	7.8	61
97	Programmable devices based on reversible solid-state doping of two-dimensional semiconductors with superionic silver iodide. <i>Nature Electronics</i> , 2020, 3, 630-637.	13.1	61
98	The enhanced performance of piezoelectric nanogenerator via suppressing screening effect with Au particles/ZnO nanoarrays Schottky junction. <i>Nano Research</i> , 2016, 9, 372-379.	5.8	60
99	Layer Dependence and Light Tuning Surface Potential of 2D MoS ₂ on Various Substrates. <i>Small</i> , 2017, 13, 1603103.	5.2	58
100	Hetero-contact microstructure to program discerning tactile interactions for virtual reality. <i>Nano Energy</i> , 2019, 60, 127-136.	8.2	57
101	Functional nanogenerators as vibration sensors enhanced by piezotronic effects. <i>Nano Research</i> , 2014, 7, 190-198.	5.8	56
102	Simulation and structure optimization of triboelectric nanogenerators considering the effects of parasitic capacitance. <i>Nano Research</i> , 2017, 10, 157-171.	5.8	56
103	Directly printed wearable electronic sensing textiles towards human-machine interfaces. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12841-12848.	2.7	54
104	Recursive identification of time-varying systems: Self-tuning and matrix RLS algorithms. <i>Systems and Control Letters</i> , 2014, 66, 104-110.	1.3	53
105	3D architecture of a graphene/CoMoO ₄ composite for asymmetric supercapacitors usable at various temperatures. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 42-50.	5.0	53
106	A heaving point absorber-based ocean wave energy convertor hybridizing a multilayered soft-brush cylindrical triboelectric generator and an electromagnetic generator. <i>Nano Energy</i> , 2021, 89, 106381.	8.2	53
107	Flexible piezoresistive strain sensor based on single Sb-doped ZnO nanobelts. <i>Applied Physics Letters</i> , 2010, 97, 223107.	1.5	52
108	Reduced Graphene Oxide Functionalized with Cobalt Ferrite Nanocomposites for Enhanced Efficient and Lightweight Electromagnetic Wave Absorption. <i>Scientific Reports</i> , 2016, 6, 32381.	1.6	52

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109	ZnO Nanotubes Grown at Low Temperature Using Ga as Catalysts and Their Enhanced Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10379-10383.	1.5	51
110	Unique structural advances of graphdiyne for energy applications. <i>EnergyChem</i> , 2020, 2, 100041.	10.1	48
111	Novel perovskite/TiO ₂ /Si trilayer heterojunctions for high-performance self-powered ultraviolet-visible-near infrared (UV-Vis-NIR) photodetectors. <i>Nano Research</i> , 2018, 11, 1722-1730.	5.8	47
112	Controllably Enhancing Stretchability of Highly Sensitive Fiber-Based Strain Sensors for Intelligent Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2431-2440.	4.0	47
113	An Artificial Peripheral Neural System Based on Highly Stretchable and Integrated Multifunctional Sensors. <i>Advanced Functional Materials</i> , 2021, 31, 2101107.	7.8	46
114	Atomic-thin ZnO Sheet for Visible-blind Ultraviolet Photodetection. <i>Small</i> , 2020, 16, e2005520.	5.2	45
115	Direct Charge Trapping Multilevel Memory with Graphdiyne/MoS ₂ Van der Waals Heterostructure. <i>Advanced Science</i> , 2021, 8, e2101417.	5.6	45
116	Bioinspired Tribotronic Resistive Switching Memory for Self-Powered Memorizing Mechanical Stimuli. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43822-43829.	4.0	42
117	Strain modulation on graphene/ZnO nanowire mixed-dimensional van der Waals heterostructure for high-performance photosensor. <i>Nano Research</i> , 2017, 10, 3476-3485.	5.8	41
118	Rationally encapsulated gold nanorods improving both linear and nonlinear photoacoustic imaging contrast in vivo. <i>Nanoscale</i> , 2017, 9, 79-86.	2.8	41
119	3D Holey Graphene Architecture Expedites Ion Transport Kinetics to Push the OER Performance. <i>Advanced Energy Materials</i> , 2020, 10, 2001005.	10.2	41
120	Ligand Engineering for Improved All-inorganic Perovskite Quantum Dot/MoS ₂ Monolayer Mixed Dimensional van der Waals Phototransistor. <i>Small Methods</i> , 2019, 3, 1900117.	4.6	40
121	A stretching-insensitive, self-powered and wearable pressure sensor. <i>Nano Energy</i> , 2022, 91, 106695.	8.2	40
122	Synthesis and characterization of Zn _{1-x} MnxO nanowires. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	39
123	Multi-unit hydroelectric generator based on contact electrification and its service behavior. <i>Nano Energy</i> , 2015, 16, 329-338.	8.2	39
124	Design of efficient dye-sensitized solar cells with patterned ZnO/ZnS core-shell nanowire array photoanodes. <i>Nanoscale</i> , 2014, 6, 4691-4697.	2.8	38
125	Facile synthesis of NiCo ₂ S ₄ nanowire arrays on 3D graphene foam for high-performance electrochemical capacitors application. <i>Journal of Materials Science</i> , 2018, 53, 10292-10301.	1.7	38
126	Synergistic sensing of stratified structures enhancing touch recognition for multifunctional interactive electronics. <i>Nano Energy</i> , 2019, 62, 410-418.	8.2	38

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127	Gate-Controlled Polarity-Reversible Photodiodes with Ambipolar 2D Semiconductors. <i>Advanced Functional Materials</i> , 2021, 31, 2007559.	7.8	38
128	All-van der Waals Barrier-Free Contacts for High-Mobility Transistors. <i>Advanced Materials</i> , 2022, 34, e2109521.	11.1	38
129	A facile method for the preparation of three-dimensional CNT sponge and a nanoscale engineering design for high performance fiber-shaped asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22559-22567.	5.2	37
130	Hierarchically distributed microstructure design of haptic sensors for personalized fingertip mechanosensational manipulation. <i>Materials Horizons</i> , 2018, 5, 920-931.	6.4	37
131	Efficient Yttrium(III) Chloride-Treated TiO ₂ Electron Transfer Layers for Performance-Improved and Hysteresis-Less Perovskite Solar Cells. <i>ChemSusChem</i> , 2018, 11, 171-177.	3.6	36
132	CuNiO nanoparticles assembled on graphene as an effective platform for enzyme-free glucose sensing. <i>Analytica Chimica Acta</i> , 2015, 858, 49-54.	2.6	35
133	Influence of carrier concentration on the resistive switching characteristics of a ZnO-based memristor. <i>Nano Research</i> , 2016, 9, 1116-1124.	5.8	35
134	Solid and macroporous Fe ₃ C/N-C nanofibers with enhanced electromagnetic wave absorbability. <i>Scientific Reports</i> , 2018, 8, 16832.	1.6	35
135	Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 10000-10008.	3.9	35
136	Tough and Degradable Self-Healing Elastomer from Synergistic Soft-Hard Segments Design for Biomechano-Robust Artificial Skin. <i>ACS Nano</i> , 2021, 15, 20656-20665.	7.3	35
137	Electrical breakdown of ZnO nanowires in metal-semiconductor-metal structure. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	34
138	Design and tailoring of patterned ZnO nanostructures for energy conversion applications. <i>Science China Materials</i> , 2017, 60, 793-810.	3.5	34
139	A highly stretchable and deformation-insensitive bionic electronic exteroceptive neural sensor for human-machine interfaces. <i>Nano Energy</i> , 2021, 80, 105548.	8.2	33
140	Architecture Design and Interface Engineering of Self-assembly VS ₄ /rGO Heterostructures for Ultrathin Absorbent. <i>Nano-Micro Letters</i> , 2022, 14, 67.	14.4	33
141	Strain-modulation and service behavior of Au-MgO-ZnO ultraviolet photodetector by piezo-phototronic effect. <i>Nano Research</i> , 2015, 8, 3772-3779.	5.8	32
142	Gold nanoparticles coated zinc oxide nanorods as the matrix for enhanced l-lactate sensing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 476-480.	2.5	32
143	Single-Atom Vacancy Doping in Two-Dimensional Transition Metal Dichalcogenides. <i>Accounts of Materials Research</i> , 2021, 2, 655-668.	5.9	32
144	Self-catalytic Synthesis, Structures, and Properties of High-Quality Tetrapod-Shaped ZnO Nanostructures. <i>Crystal Growth and Design</i> , 2009, 9, 1863-1868.	1.4	31

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145	ZnO nano-array-based EGFET biosensor for glucose detection. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 807-811.	1.1	31
146	A self-powered strain sensor based on a ZnO/PEDOT:PSS hybrid structure. <i>RSC Advances</i> , 2013, 3, 17011.	1.7	30
147	Saturated blue-violet electroluminescence from single ZnO micro/nanowire and p-GaN film hybrid light-emitting diodes. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	29
148	Bias-tunable dual-mode ultraviolet photodetectors for photoelectric tachometer. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	29
149	Interpretation of Rubidium-Based Perovskite Recipes toward Electronic Passivation and Ion-Diffusion Mitigation. <i>Advanced Materials</i> , 2022, 34, e2109998.	11.1	29
150	Graphdiyne Nanowall for Enhanced Photoelectrochemical Performance of Si Heterojunction Photoanode. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2745-2749.	4.0	28
151	Size effect in a cantilevered ZnO micro/nanowire and its potential as a performance tunable force sensor. <i>RSC Advances</i> , 2013, 3, 19375.	1.7	27
152	Zinc oxide nanowires-based electrochemical biosensor for L-lactic acid amperometric detection. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	27
153	Ferroelectric polarization-enhanced charge separation in a vanadium-doped ZnO photoelectrochemical system. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1533-1539.	3.0	27
154	Grain Boundary Perfection Enabled by Pyridinic Nitrogen Doped Graphdiyne in Hybrid Perovskite. <i>Advanced Functional Materials</i> , 2021, 31, 2104633.	7.8	27
155	Interface Engineering in 1D ZnO-Based Heterostructures for Photoelectrical Devices. <i>Advanced Functional Materials</i> , 2022, 32, 2106887.	7.8	27
156	An All-In-One Multifunctional Touch Sensor with Carbon-Based Gradient Resistance Elements. <i>Nano-Micro Letters</i> , 2022, 14, .	14.4	27
157	Size dependence and UV irradiation tuning of the surface potential in single conical ZnO nanowires. <i>RSC Advances</i> , 2015, 5, 42075-42080.	1.7	26
158	High carrier concentration ZnO nanowire arrays for binder-free conductive support of supercapacitors electrodes by Al doping. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 155-161.	5.0	26
159	Noninvasive photoacoustic measurement of glucose by data fusion. <i>Analyst</i> , 2017, 142, 2892-2896.	1.7	26
160	Transparent and flexible tactile sensors based on graphene films designed for smart panels. <i>Journal of Materials Science</i> , 2018, 53, 9589-9597.	1.7	26
161	Molecule-Upgraded van der Waals Contacts for Schottky-Barrier-Free Electronics. <i>Advanced Materials</i> , 2021, 33, e2104935.	11.1	26
162	Mechanical and longitudinal electromechanical properties of Sb-doped ZnO nanobelts. <i>CrystEngComm</i> , 2010, 12, 2005.	1.3	25

#	ARTICLE	IF	CITATIONS
163	Optimal design of sintered Ce ₉ Nd ₂₁ Fe ₁₀ B ₁ magnets with a low-melting-point (Ce,Nd)-rich phase. International Journal of Minerals, Metallurgy and Materials, 2015, 22, 417-422.	2.4	25
164	Band alignment engineering for high-energy-density solid-state asymmetric supercapacitors with TiO ₂ insertion at the ZnO/Ni(OH) ₂ interface. Journal of Materials Chemistry A, 2016, 4, 17981-17987.	5.2	25
165	Tailored TiO ₂ Protection Layer Enabled Efficient and Stable Microdome Structured p-GaAs Photoelectrochemical Cathodes. Advanced Energy Materials, 2020, 10, 1902985.	10.2	25
166	Ultraviolet and visible photoresponse properties of a ZnO/Si heterojunction at zero bias. RSC Advances, 2013, 3, 17682.	1.7	24
167	Investigation of chemical composition and crystal structure in sintered Ce ₁₅ Nd ₁₅ Fe ₁₀ B ₁ magnet. AIP Advances, 2014, 4, 107127.	0.6	24
168	Record-high saturation current in end-bond contacted monolayer MoS ₂ transistors. Nano Research, 2022, 15, 475-481.	5.8	24
169	Controllable synthesis of well-dispersed and uniform-sized single crystalline zinc hydroxystannate nanocubes. CrystEngComm, 2010, 12, 4156.	1.3	23
170	Integrated active sensor system for real time vibration monitoring. Scientific Reports, 2015, 5, 16063.	1.6	23
171	Effect of carrier screening on ZnO-based resistive switching memory devices. Nano Research, 2017, 10, 77-86.	5.8	23
172	Synergistic engineering of dielectric and magnetic losses in M-Co/RGO nanocomposites for use in high-performance microwave absorption. Materials Chemistry Frontiers, 2020, 4, 3013-3021.	3.2	23
173	Doping Effect on High-Pressure Structural Stability of ZnO Nanowires. Journal of Physical Chemistry C, 2009, 113, 1164-1167.	1.5	22
174	Nanorod arrays composed of zinc oxide modified with gold nanoparticles and glucose oxidase for enzymatic sensing of glucose. Mikrochimica Acta, 2015, 182, 605-610.	2.5	22
175	Structural dependence of piezoelectric size effects and macroscopic polarization in ZnO nanowires: A first-principles study. Nano Research, 2015, 8, 2073-2081.	5.8	22
176	Surpassing the Exciton Diffusion Limit in Single-Walled Carbon Nanotube Sensitized Solar Cells. ACS Nano, 2016, 10, 11258-11265.	7.3	22
177	A van der Waals Ferroelectric Tunnel Junction for Ultrahigh-Temperature Operation Memory. Small Methods, 2022, 6, e2101583.	4.6	22
178	Electrically pumped lasing from single ZnO micro/nanowire and poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) hybrid heterostructures. Applied Physics Letters, 2012, 101, 043119.	1.5	21
179	Low-cost highly sensitive strain sensors for wearable electronics. Journal of Materials Chemistry C, 2017, 5, 10571-10577.	2.7	21
180	Assisted Noninvasive Photoacoustic Measurement of Glucose. ACS Sensors, 2018, 3, 2550-2557.	4.0	21

#	ARTICLE	IF	CITATIONS
181	Rational Design of Main Group Metal-Embedded Nitrogen-Doped Carbon Materials as Frustrated Lewis Pair Catalysts for CO ₂ Hydrogenation to Formic Acid. ACS Applied Materials & Interfaces, 2022, 14, 1002-1014.	4.0	21
182	Endogenous Synergistic Enhanced Self-Powered Photodetector via Multi-Effect Coupling Strategy toward High-Efficiency Ultraviolet Communication. Advanced Functional Materials, 2022, 32, .	7.8	20
183	Fabrication, structural characterization, and photoluminescence of Ga-doped ZnO nanobelts. Applied Physics A: Materials Science and Processing, 2009, 94, 799-803.	1.1	19
184	Facile fabrication of large-scale patterned ZnO nanorod arrays with tunable arrangement, period and morphology. CrystEngComm, 2013, 15, 8022.	1.3	19
185	Enhancing sensitivity of force sensor based on a ZnO tetrapod by piezo-phototronic effect. Applied Physics Letters, 2013, 103, .	1.5	19
186	MRC-Based Double Figure-of-Eight Coil Sensor System With Triple-Mode Operation Capability for Biomedical Applications. IEEE Sensors Journal, 2021, 21, 14491-14502.	2.4	19
187	A Skin-Like and Highly Stretchable Optical Fiber Sensor with the Hybrid Coding of Wavelength-Light Intensity. Advanced Intelligent Systems, 2022, 4, .	3.3	19
188	High intensity, plasma-induced emission from large area ZnO nanorod array cathodes. Physics of Plasmas, 2008, 15, 114505.	0.7	18
189	Performance optimization of a MnO ₂ /carbon nanotube substrate for efficient catalytic oxidation of low-concentration NO at room temperature. RSC Advances, 2016, 6, 70261-70270.	1.7	18
190	Third-order elastic constants of ZnO and size effect in ZnO nanowires. Journal of Applied Physics, 2014, 115, 213516.	1.1	17
191	Real time size-dependent particle segregation and quantitative detection in a surface acoustic wave-photoacoustic integrated microfluidic system. Sensors and Actuators B: Chemical, 2017, 252, 568-576.	4.0	17
192	Graphdiyne: Bridging SnO ₂ and Perovskite in Planar Solar Cells. Angewandte Chemie, 2020, 132, 11670-11679.	1.6	17
193	Omnibearing Interpretation of External Ions Passivated Ion Migration in Mixed Halide Perovskites. Nano Letters, 2022, 22, 1467-1474.	4.5	17
194	Illumination-dependent free carrier screening effect on the performance evolution of ZnO piezotronic strain sensor. Nano Research, 2016, 9, 1091-1100.	5.8	16
195	Impact of insulator layer thickness on the performance of metal-MgO-ZnO tunneling diodes. Nano Research, 2016, 9, 1290-1299.	5.8	16
196	Highly conductive and stretching-insensitive films for wearable accurate pressure perception. Chemical Engineering Journal, 2022, 429, 132488.	6.6	16
197	Synergistic-engineered van der Waals photodiodes with high efficiency. Informa-Materially, 2022, 4, .	8.5	16
198	Ultra-stable ZnO nanobelts in electrochemical environments. Materials Chemistry Frontiers, 2021, 5, 430-437.	3.2	15

#	ARTICLE	IF	CITATIONS
199	Study on stable and meta-stable carbides in a high speed steel for rollers during tempering processes. International Journal of Minerals, Metallurgy and Materials, 2013, 20, 146-151.	2.4	14
200	Tunable channel width of a UV-gate field effect transistor based on ZnO micro-nano wire. RSC Advances, 2014, 4, 18378.	1.7	14
201	Application of Ceramic Coat Synthesized by In-Situ Combustion Synthesis to BF Tuyere. Journal of Iron and Steel Research International, 2007, 14, 70-72.	1.4	13
202	Temperature-dependent electron transport in ZnO micro/nanowires. Journal of Applied Physics, 2012, 112, .	1.1	13
203	High-throughput fabrication of large-scale highly ordered ZnO nanorod arrays via three-beam interference lithography. CrystEngComm, 2013, 15, 8416.	1.3	13
204	3D graphene foam/ZnO nanorods array mixed-dimensional heterostructure for photoelectrochemical biosensing. Inorganic Chemistry Frontiers, 2018, 5, 364-369.	3.0	13
205	Capacitive Touch Panel With Low Sensitivity to Water Drop Employing Mutual-Coupling Electrical Field Shaping Technique. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 1393-1404.	3.5	13
206	Broadband electromagnetic wave absorption properties and mechanism of MoS ₂ /rGO nanocomposites. Materials Chemistry Frontiers, 2021, 5, 5063-5070.	3.2	13
207	Polarity-Dependent Piezotronic Effect and Controllable Transport Modulation of ZnO with Multifield Coupled Interface Engineering. Advanced Materials Interfaces, 2017, 4, 1600842.	1.9	12
208	Edge induced band bending in van der Waals heterojunctions: A first principle study. Nano Research, 2020, 13, 701-708.	5.8	12
209	The coupling influence of UV illumination and strain on the surface potential distribution of a single ZnO micro/nano wire. Nano Research, 2016, 9, 2572-2580.	5.8	11
210	Ultra-thin, transparent and flexible tactile sensors based on graphene films with excellent anti-interference. RSC Advances, 2017, 7, 30506-30512.	1.7	11
211	Silica aerogel films via ambient pressure drying for broadband reflectors. New Journal of Chemistry, 2018, 42, 6525-6531.	1.4	11
212	Passive ultrasound aided acoustic resolution photoacoustic microscopy imaging for layered heterogeneous media. Applied Physics Letters, 2018, 113, .	1.5	11
213	Compact acoustic double negative metamaterial based on coexisting local resonances. Applied Physics Letters, 2018, 113, 244101.	1.5	11
214	A Universal Strategy for Improving the Energy Transmission Efficiency and Load Power of Triboelectric Nanogenerators. Advanced Energy Materials, 2019, 9, 1901881.	10.2	11
215	Self-powered visualization system by conjunction of photovoltaic effect and contact-electrification. Nano Energy, 2019, 57, 528-534.	8.2	11
216	The coupling effect characterization for van der Waals structures based on transition metal dichalcogenides. Nano Research, 2021, 14, 1734-1751.	5.8	11

#	ARTICLE	IF	CITATIONS
217	Electric-induced nanodamage in single ZnO nanowires. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	10
218	Model of temperature field for the preparation process of melt-spun NdFeB powders. <i>Journal of Rare Earths</i> , 2014, 32, 514-520.	2.5	10
219	Pre-migration: A General Extension for Photoacoustic Imaging Reconstruction. <i>IEEE Transactions on Computational Imaging</i> , 2020, 6, 1097-1105.	2.6	10
220	Development of a Handheld Volumetric Photoacoustic Imaging System With a Central-Holed 2D Matrix Aperture. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2482-2489.	2.5	10
221	Flexible electronics and optoelectronics of 2D van der Waals materials. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 671-690.	2.4	10
222	Quasi One-dimensional ZnO Nanostructures Fabricated without Catalyst at Lower Temperature. <i>Frontiers of Physics in China</i> , 2006, 1, 72-84.	1.0	9
223	High intensity, plasma-induced electron emission from large area carbon nanotube array cathodes. <i>Applied Physics Letters</i> , 2010, 96, 073109.	1.5	9
224	Fast sensitization process of ZnO-nanorod-array electrodes by electrophoresis for dye-sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 39332.	1.7	9
225	Thermo-responsive phase-transition polymer grafted magnetic FePt nanoparticles with tunable critical temperature for controlled drug release. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1609-1617.	3.2	9
226	Fully Organic Self-Powered Electronic Skin with Multifunctional and Highly Robust Sensing Capability. <i>Research</i> , 2021, 2021, 9801832.	2.8	9
227	Investigation of electron beam detection properties of ZnO nanowire based back-to-back double Schottky diode. <i>RSC Advances</i> , 2014, 4, 12743.	1.7	8
228	Influence of piezoelectric effect on dissolving behavior and stability of ZnO micro/nanowires in solution. <i>RSC Advances</i> , 2015, 5, 3365-3369.	1.7	8
229	Controlling the Facet of ZnO during Wet Chemical Etching Its (0001) O-terminated Surface. <i>Small</i> , 2020, 16, e1906435.	5.2	8
230	Nanowelding in Whole-Lifetime Bottom-Up Manufacturing: From Assembly to Service. <i>Small Methods</i> , 2021, 5, e2100654.	4.6	8
231	Characterization of an acoustically coupled multilayered microfluidic platform on SAW substrate using mixing phenomena. <i>Sensors and Actuators A: Physical</i> , 2015, 233, 360-367.	2.0	7
232	Preparation of sintered (Ce _{1-x} Nd _x) ₃₀ Fe ₆₀ Cu _{0.1} B ₁ magnets by blending powder method. <i>Journal of Iron and Steel Research International</i> , 2015, 22, 598-601.	1.4	7
233	Constitutive Modeling of High-Temperature Flow Behavior of an Nb Micro-alloyed Hot Stamping Steel. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 948-959.	1.2	7
234	Ultrathin strain-gated field effect transistor based on In-doped ZnO nanobelts. <i>APL Materials</i> , 2017, 5, .	2.2	7

#	ARTICLE	IF	CITATIONS
235	Effect of UV Irradiation and Heat Treatment on the Surface Potential Distribution of Monolayer WS ₂ on SiO ₂ /Si and Au Substrates. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701083.	1.9	7
236	Precision Improvement of Power-Efficient Capacitive Sensor Readout Circuit Using Multi-Nested Clocks. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020, 67, 2578-2587.	3.5	7
237	Cryptanalysis of phase information based on a double random-phase encryption method. <i>Optics Communications</i> , 2021, 497, 127172.	1.0	7
238	Image reconstruction of immersed ultrasonic testing for strongly attenuative materials. <i>Mechanical Systems and Signal Processing</i> , 2022, 168, 108654.	4.4	7
239	Field emission characteristics of ZnO nanotetrapods and the effect of thermal annealing in hydrogen. <i>Science Bulletin</i> , 2007, 52, 1287-1290.	1.7	6
240	AFM investigation of nanomechanical properties of ZnO nanowires. <i>RSC Advances</i> , 2015, 5, 33445-33449.	1.7	6
241	Triboelectricity-assisted transfer of graphene for flexible optoelectronic applications. <i>Nano Research</i> , 2016, 9, 899-907.	5.8	6
242	Photovoltaics: Deciphering the NH ₄ Pb ₃ Intermediate Phase for Simultaneous Improvement on Nucleation and Crystal Growth of Perovskite (<i>Adv. Funct. Mater.</i> 30/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	6
243	Enhanced field emission properties of graphene-based cathodes fabricated by ultrasonic atomization spray. <i>RSC Advances</i> , 2018, 8, 16207-16213.	1.7	6
244	Abnormal magnetic behavior in DMS Zn _{1-x} Mn _x O nanowires. <i>Science Bulletin</i> , 2006, 51, 490-492.	1.7	5
245	Tuning electronic transport of ZnO micro/nanowires by a transverse electric field. <i>Applied Physics Letters</i> , 2011, 99, 063105.	1.5	5
246	Dissolving behavior and electrical properties of ZnO wire in HCl solution. <i>RSC Advances</i> , 2015, 5, 44563-44566.	1.7	5
247	A Filter Bank Mismatch Calibration Technique for Frequency-Interleaved ADCs. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 3847-3862.	1.2	5
248	Extraction of Micro-Doppler Feature Using LMD Algorithm Combined Supplement Feature for UAVs and Birds Classification. <i>Remote Sensing</i> , 2022, 14, 2196.	1.8	5
249	3D stress simulation and parameter design during twin-roll casting of 304 stainless steel based on the Anand model. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2014, 21, 666-673.	2.4	4
250	Strain-modulated transport properties of Cu/ZnO-nanobelt/Cu nanojunctions. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1767-1772.	0.7	4
251	A compact and lightweight off-axis lightguide prism in near to eye display. <i>Optics Communications</i> , 2017, 393, 143-151.	1.0	4
252	Investigation and Study for Rail Internal-Flaw Inspection Technique. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
253	Compact Broadband Four-Port MIMO Antenna for 5G and IoT Applications. , 2019, , .		4
254	Nanomechanical Microfluidic Mixing and Rapid Labeling of Silica Nanoparticles using Allenamide-Thiol Covalent Linkage for Bioimaging. ACS Applied Materials & Interfaces, 2019, 11, 4867-4875.	4.0	4
255	Point defect induced intervalley scattering for the enhancement of interlayer electron transport in bilayer MoS ₂ homojunctions. Nanoscale, 2020, 12, 9859-9865.	2.8	4
256	Interface Engineering for High-Performance Photoelectrochemical Cells via Atomic Layer Deposition Technique. Energy Technology, 2021, 9, 2000819.	1.8	4
257	Investigation on the Plasma-Induced Emission Properties of Large Area Carbon Nanotube Array Cathodes with Different Morphologies. Nanoscale Research Letters, 2011, 6, 40.	3.1	3
258	Mechanical properties of Mn-doped ZnO nanowires studied by first-principles calculations. International Journal of Minerals, Metallurgy and Materials, 2012, 19, 89-94.	2.4	3
259	Enhanced electromechanical performance in metal-MgO-ZnO tunneling diodes due to the insulator layers. Inorganic Chemistry Frontiers, 2016, 3, 1130-1136.	3.0	3
260	Electrical Characteristics: High-Performance Solar-Blind Deep Ultraviolet Photodetector Based on Individual Single-Crystalline Zn ₂ GeO ₄ Nanowire (Adv. Funct. Mater. 5/2016). Advanced Functional Materials, 2016, 26, 804-804.	7.8	3
261	Van Der Waals Heterostructures: Interfacial Charge Behavior Modulation in Perovskite Quantum Dot-Monolayer MoS ₂ 0D-2D Mixed-Dimensional van der Waals Heterostructures (Adv. Funct. Mater.) Tj ETQq1 1 0.784314 r8BT /Ove		
262	3D Viscoplastic Finite Element Modeling of Dislocation Generation in a Large Size Si Ingot of the Directional Solidification Stage. Materials, 2019, 12, 2783.	1.3	3
263	Renaissance of One-Dimensional Nanomaterials. Advanced Functional Materials, 2022, 32, .	7.8	3
264	Fractal structure and fractal dimension determination at nanometer scale. Science in China Series A: Mathematics, 1999, 42, 965-972.	0.5	2
265	Zinc Powder Evaporation: an Efficient Way of Synthesizing a Wide Range of High-quality ZnO Nanostructures at Lower Temperature. Materials Research Society Symposia Proceedings, 2005, 872, 1.	0.1	2
266	Morphology and Properties of Tetraleg ZnO Nanostructures Fabricated by Zn-Powder Evaporation without Catalysts at Lower Temperature. Materials Research Society Symposia Proceedings, 2005, 879, 1.	0.1	1
267	Calibration on force upon the surface of single ZnO nanowire applied by AFM tip with different scanning angles. RSC Advances, 2015, 5, 47309-47313.	1.7	1
268	2D Materials: Layer Dependence and Light Tuning Surface Potential of 2D MoS ₂ on Various Substrates (Small 14/2017). Small, 2017, 13, .	5.2	1
269	Height Measurement of Micro-UAVs with L-Band Staring Radar. , 2021, , .		1
270	Low elevation target Altitude measurement for ubiquitous radar based on known transmitted waveform and sparse representation. IET Radar, Sonar and Navigation, 2022, 16, 346-355.	0.9	1

#	ARTICLE	IF	CITATIONS
271	Highly Oriented Plate-like Rod/Tube Arrays of ZnO. Materials Research Society Symposia Proceedings, 2005, 876, 1.	0.1	0
272	Morphological effects on the field emission characteristics of zinc oxide nanotetrapods films. Frontiers of Physics in China, 2007, 2, 195-198.	1.0	0
273	Field Emission Properties of Large Area Carbon Nanotube Cathodes in DC and Pulse Modes. Materials Research Society Symposia Proceedings, 2008, 1081, 1.	0.1	0
274	MICROSTRUCTURE AND GROWTH MECHANISM OF MN DOPED ZNS NANOBELTS. , 2012, , .		0
275	STRAIN SENSORS BASED ON SINGLE HIGH-QUALITY ZNO MICROWIRES. , 2012, , .		0
276	NANODAMAGE AND NANOFailure OF 1D ZNO NANOMATERIALS AND NANODEVICES. , 2012, , .		0
277	Dye-sensitized solar cells with composite ZnO/SnO ₂ /nanoporous electrodes. , 2013, , .		0
278	Active Flexible Strain Sensor Based on Single ZnO Micro/Nanowire. Materials Research Society Symposia Proceedings, 2013, 1556, 1.	0.1	0
279	High-Accuracy Time-Mode Duty-Cycle-Modulation-Based Temperature Sensor for Energy-Efficient System Applications. Circuits, Systems, and Signal Processing, 2016, 35, 2317-2330.	1.2	0
280	Optoelectronics: All-Inorganic Perovskite Quantum Dot-Monolayer MoS ₂ Mixed-Dimensional van der Waals Heterostructure for Ultrasensitive Photodetector (Adv. Sci. 12/2018). Advanced Science, 2018, 5, 1870078.	5.6	0
281	Perovskite Crystallization: Site Management for Highly Crystalline Perovskites (Adv. Mater. 4/2020). Advanced Materials, 2020, 32, 2070031.	11.1	0
282	Wet Etching: Controlling the Facet of ZnO during Wet Chemical Etching Its (0001 \bar{A}) O \bar{A} Terminated Surface (Small 14/2020). Small, 2020, 16, 2070076.	5.2	0
283	Interface Engineering for High-Performance Photoelectrochemical Cells via Atomic Layer Deposition Technique. Energy Technology, 2021, 9, 2170023.	1.8	0
284	Design of an S-Band Phased Array with Modified Dipoles. International Journal of Antennas and Propagation, 2021, 2021, 1-8.	0.7	0