Weiqing Yang

List of Publications by Year
in descending order

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227	13,535	19608 61	24179 110
papers	citations	h-index	g-index

229	229	229	9905
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Harmonicâ€Resonatorâ€Based Triboelectric Nanogenerator as a Sustainable Power Source and a Selfâ€Powered Active Vibration Sensor. Advanced Materials, 2013, 25, 6094-6099.	11.1	672
2	Harvesting Water Wave Energy by Asymmetric Screening of Electrostatic Charges on a Nanostructured Hydrophobic Thin-Film Surface. ACS Nano, 2014, 8, 6031-6037.	7.3	471
3	Harvesting Energy from the Natural Vibration of Human Walking. ACS Nano, 2013, 7, 11317-11324.	7.3	448
4	Self-Powered, Ultrasensitive, Flexible Tactile Sensors Based on Contact Electrification. Nano Letters, 2014, 14, 3208-3213.	4.5	405
5	Triboelectrification-Based Organic Film Nanogenerator for Acoustic Energy Harvesting and Self-Powered Active Acoustic Sensing. ACS Nano, 2014, 8, 2649-2657.	7.3	390
6	Lawn Structured Triboelectric Nanogenerators for Scavenging Sweeping Wind Energy on Rooftops. Advanced Materials, 2016, 28, 1650-1656.	11.1	334
7	Cowpea-structured PVDF/ZnO nanofibers based flexible self-powered piezoelectric bending motion sensor towards remote control of gestures. Nano Energy, 2019, 55, 516-525.	8.2	331
8	Self-Powered Acceleration Sensor Based on Liquid Metal Triboelectric Nanogenerator for Vibration Monitoring. ACS Nano, 2017, 11, 7440-7446.	7.3	293
9	Broadband Vibrational Energy Harvesting Based on a Triboelectric Nanogenerator. Advanced Energy Materials, 2014, 4, 1301322.	10.2	280
10	Rotating-Disk-Based Hybridized Electromagneticâ€“Triboelectric Nanogenerator for Sustainably Powering Wireless Traffic Volume Sensors. ACS Nano, 2016, 10, 6241-6247.	7.3	277
11	3D Stack Integrated Triboelectric Nanogenerator for Harvesting Vibration Energy. Advanced Functional Materials, 2014, 24, 4090-4096.	7.8	263
12	Cylindrical Rotating Triboelectric Nanogenerator. ACS Nano, 2013, 7, 6361-6366.	7.3	249
13	Microchannelâ€Confined MXene Based Flexible Piezoresistive Multifunctional Microâ€Force Sensor. Advanced Functional Materials, 2020, 30, 1909603.	7.8	248
14	Nitrogen, oxygen and sulfur co-doped hierarchical porous carbons toward high-performance supercapacitors by direct pyrolysis of kraft lignin. Carbon, 2019, 149, 105-116.	5.4	241
15	Personalized Keystroke Dynamics for Self-Powered Humanâ€“Machine Interfacing. ACS Nano, 2015, 9, 105-116.	7.3	239
16	Manipulating Relative Permittivity for High-Performance Wearable Triboelectric Nanogenerators. Nano Letters, 2020, 20, 6404-6411.	4.5	231
17	Harvesting vibration energy by a triple-cantilever based triboelectric nanogenerator. Nano Research, 2013, 6, 880-886.	5.8	209
18	Hierarchically structured PVDF/ZnO core-shell nanofibers for self-powered physiological monitoring electronics. Nano Energy, 2020, 72, 104706.	8.2	207

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19	Rich lamellar crystal baklava-structured PZT/PVDF piezoelectric sensor toward individual table tennis training. Nano Energy, 2019, 59, 574-581.	8.2	204
20	Unraveling and Regulating Self-Discharge Behavior of Ti₃C₂T_x MXene-Based Supercapacitors. ACS Nano, 2020, 14, 4916-4924.	7.3	203
21	Harvesting Broadband Kinetic Impact Energy from Mechanical Triggering/Vibration and Water Waves. ACS Nano, 2014, 8, 7405-7412.	7.3	180
22	Self-Powered Safety Helmet Based on Hybridized Nanogenerator for Emergency. ACS Nano, 2016, 10, 7874-7881.	7.3	179
23	A linear-to-rotary hybrid nanogenerator for high-performance wearable biomechanical energy harvesting. Nano Energy, 2020, 67, 104235.	8.2	172
24	Hierarchically Microstructure-Bioinspired Flexible Piezoresistive Bioelectronics. ACS Nano, 2021, 15, 11555-11563.	7.3	163
25	Triboelectrification Based Motion Sensor for Human-Machine Interfacing. ACS Applied Materials & Interfaces, 2014, 6, 7479-7484.	4.0	162
26	Self-powered wireless smart sensor based on maglev porous nanogenerator for train monitoring system. Nano Energy, 2017, 38, 185-192.	8.2	152
27	Polarization-free high-crystallization Î²-PVDF piezoelectric nanogenerator toward self-powered 3D acceleration sensor. Nano Energy, 2018, 50, 632-638.	8.2	150
28	Piezoelectric nanogenerators for personalized healthcare. Chemical Society Reviews, 2022, 51, 3380-3435.	18.7	145
29	Allâ€Sprayedâ€Processable, Largeâ€Area, and Flexible Perovskite/MXeneâ€Based Photodetector Arrays for Photocommunication. Advanced Optical Materials, 2019, 7, 1801521.	3.6	144
30	Triboelectric Sensor for Self-Powered Tracking of Object Motion inside Tubing. ACS Nano, 2014, 8, 3843-3850.	7.3	142
31	Biological Nanofibrous Generator for Electricity Harvest from Moist Air Flow. Advanced Functional Materials, 2019, 29, 1901798.	7.8	137
32	Epidermis-Inspired Ultrathin 3D Cellular Sensor Array for Self-Powered Biomedical Monitoring. ACS Applied Materials & Interfaces, 2018, 10, 41070-41075.	4.0	136
33	Nanogenerator as new energy technology for self-powered intelligent transportation system. Nano Energy, 2019, 66, 104086.	8.2	130
34	Cellulose II Aerogelâ€Based Triboelectric Nanogenerator. Advanced Functional Materials, 2020, 30, 2001763.	7.8	123
35	High power supercapacitors based on hierarchically porous sheet-like nanocarbons with ionic liquid electrolytes. Chemical Engineering Journal, 2017, 322, 73-81.	6.6	119
36	One-step synthesis of hierarchically porous carbons for high-performance electric double layer supercapacitors. Journal of Power Sources, 2016, 315, 120-126.	4.0	118

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37	All-in-one 3D acceleration sensor based on coded liquidâ€“metal triboelectric nanogenerator for vehicle restraint system. Materials Today, 2021, 43, 37-44.	8.3	113
38	Synthesis of self-assembly 3D porous Ni(OH)2 with high capacitance for hybrid supercapacitors. Electrochimica Acta, 2018, 269, 102-110.	2.6	99
39	Facile synthesis of ultrafine cobalt oxide nanoparticles for high-performance supercapacitors. Journal of Colloid and Interface Science, 2017, 505, 796-804.	5.0	97
40	Multifunctional triboelectric nanogenerator based on porous micro-nickel foam to harvest mechanical energy. Nano Energy, 2015, 16, 516-523.	8.2	96
41	High-voltage asymmetric MXene-based on-chip micro-supercapacitors. Nano Energy, 2020, 74, 104928.	8.2	96
42	Establishing highly-efficient surface faradaic reaction in flower-like NiCo2O4 nano-/micro-structures for next-generation supercapacitors. Electrochimica Acta, 2019, 307, 302-309.	2.6	95
43	Extraordinary Areal and Volumetric Performance of Flexible Solidâ€State Microâ€Supercapacitors Based on Highly Conductive Freestanding Ti₃C₂T_x Films. Advanced Electronic Materials, 2018, 4, 1800179.	2.6	93
44	Extremely low self-discharge solid-state supercapacitors via the confinement effect of ion transfer. Journal of Materials Chemistry A, 2019, 7, 8633-8640.	5.2	88
45	Asymmetric ionic aerogel of biologic nanofibrils for harvesting electricity from moisture. Nano Energy, 2020, 71, 104610.	8.2	84
46	Highly microporous carbon with nitrogen-doping derived from natural biowaste for high-performance flexible solid-state supercapacitor. Journal of Colloid and Interface Science, 2019, 548, 322-332.	5.0	80
47	Smart network node based on hybrid nanogenerator for self-powered multifunctional sensing. Nano Energy, 2017, 33, 418-426.	8.2	79
48	Massively manufactured paper-based all-solid-state flexible micro-supercapacitors with sprayable MXene conductive inks. Journal of Power Sources, 2019, 415, 1-7.	4.0	79
49	Hierarchically Divacancy Defect Building Dualâ€Activated Porous Carbon Fibers for Highâ€Performance Energyâ€Storage Devices. Advanced Functional Materials, 2020, 30, 2002580.	7.8	79
50	Scalable, and low-cost treating-cutting-coating manufacture platform for MXene-based on-chip micro-supercapacitors. Nano Energy, 2020, 69, 104431.	8.2	78
51	Strong Lewis Acidâ€“Base and Weak Hydrogen Bond Synergistically Enhancing Ionic Conductivity of Poly(ethylene oxide)@SiO₂ Electrolytes for a High Rate Capability Li-Metal Battery. ACS Applied Materials & Interfaces, 2020, 12, 10341-10349.	4.0	77
52	A flexible field-limited ordered ZnO nanorod-based self-powered tactile sensor array for electronic skin. Nanoscale, 2016, 8, 16302-16306.	2.8	76
53	Self-Powered, Wireless, Remote Meteorologic Monitoring Based on Triboelectric Nanogenerator Operated by Scavenging Wind Energy. ACS Applied Materials & Interfaces, 2016, 8, 32649-32654.	4.0	76
54	An ultrathin robust polymer membrane for wearable solid-state electrochemical energy storage. Nano Energy, 2020, 76, 105179.	8.2	70

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55	Electrochemically building three-dimensional supramolecular polymer hydrogel for flexible solid-state micro-supercapacitors. Electrochimica Acta, 2019, 301, 136-144.	2.6	69
56	Simultaneously Harvesting Thermal and Mechanical Energies based on Flexible Hybrid Nanogenerator for Self-Powered Cathodic Protection. ACS Applied Materials & Interfaces, 2015, 7, 28142-28147.	4.0	68
57	Self-assembly gridding Î±-MoO3 nanobelts for highly toxic H2S gas sensors. Sensors and Actuators B: Chemical, 2016, 237, 350-357.	4.0	68
58	Ultrafast Thermodynamic Control for Stable and Efficient Mixed Halide Perovskite Nanocrystals. Advanced Functional Materials, 2020, 30, 2000026.	7.8	68
59	Rationally assembled porous carbon superstructures for advanced supercapacitors. Chemical Engineering Journal, 2019, 361, 1296-1303.	6.6	67
60	Tailoring carbon nanomaterials via a molecular scissor. Nano Today, 2021, 36, 101033.	6.2	67
61	Flexible supercapacitors with high areal capacitance based on hierarchical carbon tubular nanostructures. Journal of Power Sources, 2016, 331, 332-339.	4.0	63
62	Quaternized Silk Nanofibrils for Electricity Generation from Moisture and Ion Rectification. ACS Nano, 2020, 14, 10600-10607.	7.3	60
63	Dynamically evolving 2D supramolecular polyaniline nanosheets for long-stability flexible supercapacitors. Chemical Engineering Journal, 2021, 423, 130203.	6.6	60
64	Ti₃C₂T_x MXene-Based Micro-Supercapacitors with Ultrahigh Volumetric Energy Density for All-in-One Si-Electronics. ACS Nano, 2022, 16, 3776-3784.	7.3	60
65	Stretchable Micromotion Sensor with Enhanced Sensitivity Using Serpentine Layout. ACS Applied Materials & Interfaces, 2019, 11, 12261-12271.	4.0	56
66	A piezo-phototronic enhanced serrate-structured ZnO-based heterojunction photodetector for optical communication. Nanoscale, 2019, 11, 3021-3027.	2.8	53
67	Highly Enantioselective Synthesis of 2,6-Disubstituted and 2,2,6-Trisubstituted Dihydropyrones:Â A One-Step Synthesis of (R)-(+)-Hepialone and Its Analogues. Journal of Organic Chemistry, 2005, 70, 8533-8537.	1.7	52
68	Dual-luminescence-center single-component white-light Sr2V2O7:Eu3+ phosphors for white LEDs. Acta Materialia, 2013, 61, 5096-5104.	3.8	51
69	Constructing Gradient Energy Levels to Promote Exciton Energy Transfer for Photoluminescence Controllability of All-Inorganic Perovskites and Application in Single-Component WLEDs. Chemistry of Materials, 2019, 31, 5616-5624.	3.2	51
70	MXene based mechanically and electrically enhanced film for triboelectric nanogenerator. Nano Research, 2021, 14, 4833-4840.	5.8	51
71	Airâ€Stable Conductive Polymer Ink for Printed Wearable Microâ€Supercapacitors. Small, 2021, 17, e2100956.	5.2	51
72	Synthetic Biopigment Supercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 30360-30367.	4.0	50

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73	Understanding the Potential Screening Effect through the Discretely Structured ZnO Nanorods Piezo Array. Nano Letters, 2020, 20, 4270-4277.	4.5	47
74	A novel stretchable supercapacitor electrode with high linear capacitance. Chemical Engineering Journal, 2018, 349, 168-175.	6.6	46
75	Freeâ€Fixed Rotational Triboelectric Nanogenerator for Selfâ€Powered Realâ€Time Wheel Monitoring. Advanced Materials Technologies, 2021, 6, 2000918.	3.0	46
76	In Situ Direct Method To Massively Prepare Hydrophilic Porous Carbide-Derived Carbons for High-Performance Supercapacitors. ACS Applied Energy Materials, 2018, 1, 3544-3553.	2.5	45
77	Aqueous Phase Exfoliating Quasiâ€2D CsPbBr₃ Nanosheets with Ultrahigh Intrinsic Water Stability. Small, 2019, 15, e1901994.	5.2	45
78	Three-dimensional polymer networks for solid-state electrochemical energy storage. Chemical Engineering Journal, 2020, 391, 123548.	6.6	44
79	Surface pre-optimization of a mixed halide perovskite toward high photoluminescence quantum yield in the blue spectrum range. Nanoscale, 2019, 11, 15206-15215.	2.8	43
80	Flexible pyroelectric generators for scavenging ambient thermal energy and as self-powered thermosensors. Energy, 2016, 101, 202-210.	4.5	41
81	Cryogenicâ€Temperature Thermodynamically Suppressed and Strongly Confined CsPbBr₃ Quantum Dots for Deeply Blue Lightâ€Emitting Diodes. Advanced Optical Materials, 2021, 9, 2100300.	3.6	41
82	Enhancing Lithium Adsorption and Diffusion toward Extraordinary Lithium Storage Capability of Freestanding Ti₃C₂T_x MXene. Journal of Physical Chemistry C, 2019, 123, 2792-2800.	1.5	40
83	Trivalent europium-doped strontium molybdate red phosphors in white light-emitting diodes: Synthesis, photophysical properties and theoretical calculations. Acta Materialia, 2012, 60, 5399-5407.	3.8	39
84	Bandwidth increasing mechanism by introducing a curve fixture to the cantilever generator. Applied Physics Letters, 2016, 109, .	1.5	38
85	Fluorescence spectra and crystal field analysis of BaMoO4: Eu3+ phosphors for white light-emitting diodes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 123, 12-17.	2.0	37
86	Tailoring Ti3CNT MXene via an acid molecular scissor. Nano Energy, 2021, 85, 106007.	8.2	36
87	Understanding the Percolation Effect in Triboelectric Nanogenerator with Conductive Intermediate Layer. Research, 2021, 2021, 7189376.	2.8	35
88	Filling the holes in piezopolymers with a solid electrolyte: a new paradigm of poling-free dynamic electrets for energy harvesting. Journal of Materials Chemistry A, 2017, 5, 189-200.	5.2	34
89	Piezoresistive effect in MoO3 nanobelts and its application in strain-enhanced oxygen sensors. Nano Research, 2014, 7, 180-189.	5.8	33
90	Strong influence of substrate temperature on the growth of nanocrystalline MoO3 thin films. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3965-3968.	0.9	32

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91	Composition controlled nickel cobalt sulfide coreâ€“shell structures as high capacity and good rate-capability electrodes for hybrid supercapacitors. RSC Advances, 2016, 6, 50209-50216.	1.7	32
92	Self-powered graphene quantum dot/poly(vinylidene fluoride) composites with remarkably enhanced mechanical-to-electrical conversion. RSC Advances, 2016, 6, 67400-67408.	1.7	31
93	Enhanced performance of ZnO microballoon arrays for a triboelectric nanogenerator. Nanotechnology, 2017, 28, 135401.	1.3	31
94	Glowing stereocomplex biopolymers are generating power: polylactide/carbon quantum dot hybrid nanofibers with high piezoresponse and multicolor luminescence. Journal of Materials Chemistry A, 2019, 7, 1810-1823.	5.2	31
95	Self-assembly defect-regulating superstructured carbon. Energy Storage Materials, 2022, 48, 164-171.	9.5	31
96	A low-frequency, broadband and tri-hybrid energy harvester with septuple-stable nonlinearity-enhanced mechanical frequency up-conversion mechanism for powering portable electronics. Nano Energy, 2019, 64, 103943.	8.2	30
97	Self-assembly biomimetic fern leaf-like Î±-Fe2O3 for sensing inflammable 1-butanol gas. Sensors and Actuators B: Chemical, 2017, 243, 29-35.	4.0	29
98	An enhanced low-frequency vibration ZnO nanorod-based tuning fork piezoelectric nanogenerator. Nanoscale, 2018, 10, 843-847.	2.8	29
99	A review of low-dimensional metal halide perovskites for blue light emitting diodes. Journal of Alloys and Compounds, 2021, 883, 160727.	2.8	29
100	Dielectric micro-capacitance for enhancing piezoelectricity via aligning MXene sheets in composites. Cell Reports Physical Science, 2022, 3, 100814.	2.8	29
101	Boosting the energy density of aqueous MXeneâ€based supercapacitor by integrating 3D conducting polymer hydrogel cathode. SusMat, 2022, 2, 379-390.	7.8	29
102	Internally-externally defects-tailored MAPbI3 perovskites with highly enhanced air stability and quantum yield. Chemical Engineering Journal, 2020, 399, 125715.	6.6	28
103	Antisolventâ€Induced Fastly Grown Allâ€Inorganic Perovskite CsPbCl₃ Microcrystal Films for Highâ€Sensitive UV Photodetectors. Advanced Materials Interfaces, 2021, 8, 2001812.	1.9	28
104	3D Pt/MoO 3 nanocatalysts fabricated for effective electrocatalytic oxidation of alcohol. Applied Surface Science, 2015, 356, 294-300.	3.1	25
105	Conducting polymer ink for flexible and printable micro-supercapacitors with greatly-enhanced rate capability. Journal of Power Sources, 2021, 513, 230555.	4.0	25
106	Preparation and luminescent properties of self-organized broccoli-like SrMoO4: Pr3+ superparticles. Journal of Luminescence, 2017, 190, 69-75.	1.5	24
107	Defect model and spin-Hamiltonian parameters for the tetragonal Mo⁵⁺and W⁵⁺centers in Cs₂ZrCl₆and Cs₂HfCl₆crystals. Philosophical Magazine, 2009, 89, 1621-1628.	0.7	23
108	Microstructure-Based Interfacial Tuning Mechanism of Capacitive Pressure Sensors for Electronic Skin. Journal of Sensors, 2016, 2016, 1-8.	0.6	23

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109	Controllable synthesis of self-assembly Co₃O₄nanoflake microspheres for electrochemical performance. Nanotechnology, 2016, 27, 355603.	1.3	23
110	Intelligent Sensing System Based on Hybrid Nanogenerator by Harvesting Multiple Clean Energy. Advanced Engineering Materials, 2018, 20, 1700886.	1.6	23
111	Pressure-crystallized piezopolymer/ionomer/graphene quantum dot composites: A novel poling-free dynamic hybrid electret with enhanced energy harvesting properties. Composites Science and Technology, 2018, 164, 282-289.	3.8	23
112	Synthesis of Sizeâ€Controllable NiCo₂S₄ Hollow Nanospheres Toward Enhanced Electrochemical Performance. Energy and Environmental Materials, 2020, 3, 421-428.	7.3	23
113	Perspectives on preparation of two-dimensional MXenes. Science and Technology of Advanced Materials, 2021, 22, 917-930.	2.8	22
114	From high-yield Ti3AlCN ceramics to high-quality Ti3CNT MXenes through eliminating Al segregation. Chinese Chemical Letters, 2020, 31, 1044-1048.	4.8	21
115	The metal doping strategy in all inorganic lead halide perovskites: synthesis, physicochemical properties, and optoelectronic applications. Nanoscale, 2021, 13, 18010-18031.	2.8	21
116	Biomass-derived nanostructured coatings based on cellulose nanofibers-melanin hybrids toward solar-enabled multifunctional energy management. Nano Energy, 2022, 97, 107180.	8.2	21
117	EPR g factors and tetragonal distortion for the isoelectronic Ni+ and Cu2+ centers in the CuGaSe2 crystal. Journal of Magnetism and Magnetic Materials, 2011, 323, 528-531.	1.0	20
118	Investigations of the spin-Hamiltonian parameters and tetragonal distortion due to the Jahnâ€“Teller effect for Cu(H2O)62+ clusters in C(NH2)3Al(SO4)2Â·6H2O: Cu2+ crystal. Physica B: Condensed Matter, 2010, 405, 2018-2020.	1.3	19
119	Enhanced performance of core-shell structured polyaniline at helical carbon nanotube hybrids for ammonia gas sensor. Applied Physics Letters, 2014, 105, 203109.	1.5	19
120	Theoretical spectra identification and fluorescent properties of reddish orange Sm-doped BaTiO 3 phosphors. Journal of Alloys and Compounds, 2015, 643, 247-252.	2.8	19
121	Understanding Excitonic Behavior in Light Absorption and Recombination Process. Journal of Physical Chemistry C, 2020, 124, 26076-26082.	1.5	19
122	Fabrication and field emission properties of needle-shaped MoO3 nanobelts. Journal of Alloys and Compounds, 2013, 576, 332-335.	2.8	18
123	A high-performance white-light-emitting-diodes based on nano-single crystal divanadates quantum dots. Scientific Reports, 2015, 5, 10460.	1.6	18
124	Space matters: Li+ conduction versus strain effect at FePO4/LiFePO4 interface. Applied Physics Letters, 2016, 108, .	1.5	18
125	Water-evaporation-induced intermolecular force for nano-wrinkled polymeric membrane. Cell Reports Physical Science, 2021, 2, 100441.	2.8	18
126	Physicochemically dendrite-suppressed three-dimensional fluoridation solid-state electrolyte for high-rate lithium metal battery. Cell Reports Physical Science, 2021, 2, 100644.	2.8	18

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127	Theoretical calculations of the spin-Hamiltonian parameters from a two-mechanism model for Cr⁵⁺ions in MVO₃(M = Li, Na, K, Rb) crystals. Molecular Physics, 2009, 107, 2245-2249.	0.8	17
128	Understanding the Ion-Sorption Dynamics in Functionalized Porous Carbons for Enhanced Capacitive Energy Storage. ACS Applied Materials & Interfaces, 2020, 12, 2773-2782.	4.0	17
129	Chainâ€Elongated Ionic Liquid Electrolytes for Low Selfâ€Discharge Allâ€Solidâ€State Supercapacitors at High Temperature. ChemSusChem, 2021, 14, 3895-3903.	3.6	17
130	Pair directed silver nano-lines by single-particle assembly in nanofibers for non-contact humidity sensors. Nano Energy, 2022, 92, 106748.	8.2	17
131	Controllable in-situ-oxidization of 3D-networked Ti3C2T -TiO2 photodetectors for large-area flexible optical imaging. Nano Energy, 2022, 93, 106889.	8.2	17
132	Studies of the tetragonal distortion due to Jahnâ€“Teller effect for the Cu²⁺ centres in trigonal ZnMF₆Â·6H₂O (M = Si, Ti, Zr) crystals from the calculations of spinâ€Hamiltonian parameters. Physica Status Solidi (B): Basic Research, 2009, 246, 1915-1918.	0.7	16
133	Water Energy Harvesting and Selfâ€Powered Visible Light Communication Based on Triboelectric Nanogenerator. Energy Technology, 2018, 6, 1929-1934.	1.8	16
134	Na⁺ and Pr³⁺ co-doped orange-emitting CaYAl₃O₇ phosphors: synthesis, luminescence properties and theoretical calculations. Dalton Transactions, 2018, 47, 17515-17524.	1.6	16
135	Ethanolâ€“water-assisted room temperature synthesis of CsPbBr3/SiO2 nanocomposites with high stability in ethanol. Journal of Materials Science, 2019, 54, 3786-3794.	1.7	16
136	Investigations of the optical spectra and EPR g factors for the tetragonal Cu2+ centers in trigonal ZnCO3 crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 458-460.	2.0	15
137	Investigations of the spin-Hamiltonian parameters and tetragonal distortions due to Jahnâ€“Teller effect for the monovalent d9 (Ni+, Pd+, Pt+) impurity centers in AgCl crystals. Journal of Alloys and Compounds, 2010, 507, 498-501.	2.8	15
138	Self-Powered Nanocomposites under an External Rotating Magnetic Field for Noninvasive External Power Supply Electrical Stimulation. ACS Applied Materials & Interfaces, 2017, 9, 38323-38335.	4.0	15
139	Copper-doping defect-lowered perovskite nanosheets for deep-blue light-emitting diodes. Journal of Colloid and Interface Science, 2022, 607, 1796-1804.	5.0	15
140	Understanding the Enhancement Mechanism of ZnO Nanorod-based Piezoelectric Devices through Surface Engineering. ACS Applied Materials & Interfaces, 2022, 14, 29061-29069.	4.0	15
141	Spin-Hamiltonian parameters and tetragonal distortion due to the Jahnâ€“Teller effect for Cu2+centres in trigonal Zn(BrO3)Â·6H2O crystal. Molecular Physics, 2009, 107, 2293-2297.	0.8	14
142	Studies of the spin-Hamiltonian parameters and the Jahnâ€“Teller distortions for tetragonal Cu(H2O)62+ clusters in trigonal A2Mg3(NO3)12Â·24H2O (A=La, Bi) crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 1280-1282.	2.0	14
143	Low toxicity antisolvent synthesis of composition-tunable luminescent all-inorganic perovskite nanocrystals. Ceramics International, 2018, 44, 18123-18128.	2.3	14
144	Visible and near-infrared luminescent properties of Pr3+ doped strontium molybdate thin films by a facile polymer-assisted deposition process. Journal of Colloid and Interface Science, 2018, 531, 181-188.	5.0	14

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145	Nanogenerators Begin to Light Up: A Novel Polingâ€Free Piezoelectric System with Multicolor Photoluminescence as an Efficient Mechatronics Development Platform. Advanced Materials Interfaces, 2018, 5, 1800587.	1.9	14
146	Thermodynamics-Induced Injection Enhanced Deep-Blue Perovskite Quantum Dot LEDs. ACS Applied Materials & Interfaces, 2021, 13, 57560-57566.	4.0	14
147	Structurally Unraveling the Photocarrier Behavior of Cu₂O/ZnO Heterojunction Photodetectors. ACS Photonics, 2022, 9, 268-274.	3.2	14
148	Intrinsically Stretchable and Shape Memory Conducting Nanofiber for Programmable Flexible Electronic Films. ACS Applied Materials & Interfaces, 2019, 11, 48202-48211.	4.0	13
149	Coaxially enhanced photocarrier transport of a highly oriented Cu₂ZnSnS₄/ZnO photodetector through the nanoconfinement effect. Journal of Materials Chemistry C, 2020, 8, 3491-3497.	2.7	13
150	Carbon Nanolights in Piezopolymers are Selfâ€Organizing Toward Color Tunable Luminous Hybrids for Kinetic Energy Harvesting. Small, 2020, 16, e1905703.	5.2	13
151	Transient response of a nonlinear energy sink based piezoelectric vibration energy harvester coupled to a synchronized charge extraction interface. Nano Energy, 2021, 87, 106179.	8.2	13
152	A theoretical study of EPR g factors for the rhombic CuCl64â^' clusters in (3-chloroanilinium)8[CdCl6]Cl4:Cu2+ crystal. Physica B: Condensed Matter, 2010, 405, 3642-3644.	1.3	12
153	Modeling and harmonic analysis of energy extracting performance of a piezoelectric nonlinear energy sink system with AC and DC interface circuits. Mechanical Systems and Signal Processing, 2021, 155, 107609.	4.4	12
154	Investigations of spinâ€Hamiltonian parameters and defect structures for two tetragonal Cu²⁺ centers in KTaO₃ crystal. Crystal Research and Technology, 2010, 45, 1132-1136.	0.6	11
155	Synthesis, Spectra, and Theoretical Investigations of 1,3,5-Triazines Compounds as Ultraviolet Rays Absorber Based on Time-Dependent Density Functional Calculations and three-Dimensional Quantitative Structure-Property Relationship. Journal of Fluorescence, 2018, 28, 707-723.	1.3	11
156	Expecting the unexpected: high pressure crystallization significantly boosts up triboelectric outputs of microbial polyesters. Journal of Materials Chemistry A, 2021, 9, 6306-6315.	5.2	11
157	2D-Nb₂CT_z-Supported, 3D-Carbon-Encapsulated, Oxygen-Deficient Nb₂O₅ for an Advanced Li-Ion Battery. ACS Applied Energy Materials, 2022, 5, 2121-2129.	2.5	11
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