

Weiqing Yang

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221
papers

9,193
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229
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11,314
ext. citations

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6.41
L-index

#	Paper	IF	Citations
221	Harmonic-resonator-based triboelectric nanogenerator as a sustainable power source and a self-powered active vibration sensor. <i>Advanced Materials</i> , 2013 , 25, 6094-9	24	572
220	Harvesting energy from the natural vibration of human walking. <i>ACS Nano</i> , 2013 , 7, 11317-24	16.7	400
219	Harvesting water wave energy by asymmetric screening of electrostatic charges on a nanostructured hydrophobic thin-film surface. <i>ACS Nano</i> , 2014 , 8, 6031-7	16.7	376
218	Self-powered, ultrasensitive, flexible tactile sensors based on contact electrification. <i>Nano Letters</i> , 2014 , 14, 3208-13	11.5	352
217	Triboelectrification-based organic film nanogenerator for acoustic energy harvesting and self-powered active acoustic sensing. <i>ACS Nano</i> , 2014 , 8, 2649-57	16.7	307
216	Lawn Structured Triboelectric Nanogenerators for Scavenging Sweeping Wind Energy on Rooftops. <i>Advanced Materials</i> , 2016 , 28, 1650-6	24	269
215	Broadband Vibrational Energy Harvesting Based on a Triboelectric Nanogenerator. <i>Advanced Energy Materials</i> , 2014 , 4, 1301322	21.8	232
214	Rotating-Disk-Based Hybridized Electromagnetic-Triboelectric Nanogenerator for Sustainably Powering Wireless Traffic Volume Sensors. <i>ACS Nano</i> , 2016 , 10, 6241-7	16.7	225
213	3D Stack Integrated Triboelectric Nanogenerator for Harvesting Vibration Energy. <i>Advanced Functional Materials</i> , 2014 , 24, 4090-4096	15.6	213
212	Self-Powered Acceleration Sensor Based on Liquid Metal Triboelectric Nanogenerator for Vibration Monitoring. <i>ACS Nano</i> , 2017 , 11, 7440-7446	16.7	207
211	Cylindrical rotating triboelectric nanogenerator. <i>ACS Nano</i> , 2013 , 7, 6361-6	16.7	201
210	Personalized keystroke dynamics for self-powered human-machine interfacing. <i>ACS Nano</i> , 2015 , 9, 105-16.7	16.7	195
209	Cowpea-structured PVDF/ZnO nanofibers based flexible self-powered piezoelectric bending motion sensor towards remote control of gestures. <i>Nano Energy</i> , 2019 , 55, 516-525	17.1	186
208	Harvesting vibration energy by a triple-cantilever based triboelectric nanogenerator. <i>Nano Research</i> , 2013 , 6, 880-886	10	161
207	Self-Powered Safety Helmet Based on Hybridized Nanogenerator for Emergency. <i>ACS Nano</i> , 2016 , 10, 7874-81	16.7	153
206	Harvesting broadband kinetic impact energy from mechanical triggering/vibration and water waves. <i>ACS Nano</i> , 2014 , 8, 7405-12	16.7	150
205	Manipulating Relative Permittivity for High-Performance Wearable Triboelectric Nanogenerators. <i>Nano Letters</i> , 2020 , 20, 6404-6411	11.5	140

204	A linear-to-rotary hybrid nanogenerator for high-performance wearable biomechanical energy harvesting. <i>Nano Energy</i> , 2020 , 67, 104235	17.1	140
203	Microchannel-Confined MXene Based Flexible Piezoresistive Multifunctional Micro-Force Sensor. <i>Advanced Functional Materials</i> , 2020 , 30, 1909603	15.6	133
202	Triboelectrification based motion sensor for human-machine interfacing. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7479-84	9.5	133
201	Triboelectric sensor for self-powered tracking of object motion inside tubing. <i>ACS Nano</i> , 2014 , 8, 3843-5067	10.7	124
200	Nitrogen, oxygen and sulfur co-doped hierarchical porous carbons toward high-performance supercapacitors by direct pyrolysis of kraft lignin. <i>Carbon</i> , 2019 , 149, 105-116	10.4	123
199	Self-powered wireless smart sensor based on maglev porous nanogenerator for train monitoring system. <i>Nano Energy</i> , 2017 , 38, 185-192	17.1	113
198	Rich lamellar crystal baklava-structured PZT/PVDF piezoelectric sensor toward individual table tennis training. <i>Nano Energy</i> , 2019 , 59, 574-581	17.1	111
197	One-step synthesis of hierarchically porous carbons for high-performance electric double layer supercapacitors. <i>Journal of Power Sources</i> , 2016 , 315, 120-126	8.9	107
196	Epidermis-Inspired Ultrathin 3D Cellular Sensor Array for Self-Powered Biomedical Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41070-41075	9.5	107
195	Hierarchically structured PVDF/ZnO core-shell nanofibers for self-powered physiological monitoring electronics. <i>Nano Energy</i> , 2020 , 72, 104706	17.1	101
194	Polarization-free high-crystallization PVDF piezoelectric nanogenerator toward self-powered 3D acceleration sensor. <i>Nano Energy</i> , 2018 , 50, 632-638	17.1	99
193	High power supercapacitors based on hierarchically porous sheet-like nanocarbons with ionic liquid electrolytes. <i>Chemical Engineering Journal</i> , 2017 , 322, 73-81	14.7	97
192	Unraveling and Regulating Self-Discharge Behavior of TiCT MXene-Based Supercapacitors. <i>ACS Nano</i> , 2020 , 14, 4916-4924	16.7	86
191	All-Sprayed-Processable, Large-Area, and Flexible Perovskite/MXene-Based Photodetector Arrays for Photocommunication. <i>Advanced Optical Materials</i> , 2019 , 7, 1801521	8.1	86
190	Multifunctional triboelectric nanogenerator based on porous micro-nickel foam to harvest mechanical energy. <i>Nano Energy</i> , 2015 , 16, 516-523	17.1	81
189	Synthesis of self-assembly 3D porous Ni(OH) ₂ with high capacitance for hybrid supercapacitors. <i>Electrochimica Acta</i> , 2018 , 269, 102-110	6.7	79
188	Nanogenerator as new energy technology for self-powered intelligent transportation system. <i>Nano Energy</i> , 2019 , 66, 104086	17.1	77
187	Extraordinary Areal and Volumetric Performance of Flexible Solid-State Micro-Supercapacitors Based on Highly Conductive Freestanding Ti ₃ C ₂ T _x Films. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800179	6.4	68

186	Smart network node based on hybrid nanogenerator for self-powered multifunctional sensing. <i>Nano Energy</i> , 2017 , 33, 418-426	17.1	64
185	Establishing highly-efficient surface faradaic reaction in flower-like NiCo ₂ O ₄ nano-/micro-structures for next-generation supercapacitors. <i>Electrochimica Acta</i> , 2019 , 307, 302-309	6.7	64
184	A flexible field-limited ordered ZnO nanorod-based self-powered tactile sensor array for electronic skin. <i>Nanoscale</i> , 2016 , 8, 16302-16306	7.7	57
183	Biological Nanofibrous Generator for Electricity Harvest from Moist Air Flow. <i>Advanced Functional Materials</i> , 2019 , 29, 1901798	15.6	56
182	Massively manufactured paper-based all-solid-state flexible micro-supercapacitors with sprayable MXene conductive inks. <i>Journal of Power Sources</i> , 2019 , 415, 1-7	8.9	54
181	Facile synthesis of ultrafine cobalt oxide nanoparticles for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 796-804	9.3	54
180	Cellulose II Aerogel-Based Triboelectric Nanogenerator. <i>Advanced Functional Materials</i> , 2020 , 30, 2001763	13.6	52
179	Self-assembly gridding TiMoO_3 nanobelts for highly toxic H ₂ S gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 350-357	8.5	52
178	Extremely low self-discharge solid-state supercapacitors via the confinement effect of ion transfer. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8633-8640	13	51
177	Flexible supercapacitors with high areal capacitance based on hierarchical carbon tubular nanostructures. <i>Journal of Power Sources</i> , 2016 , 331, 332-339	8.9	51
176	Self-Powered, Wireless, Remote Meteorologic Monitoring Based on Triboelectric Nanogenerator Operated by Scavenging Wind Energy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32649-32654	9.5	51
175	All-in-one 3D acceleration sensor based on coded liquid-metal triboelectric nanogenerator for vehicle restraint system. <i>Materials Today</i> , 2021 , 43, 37-44	21.8	51
174	Highly microporous carbon with nitrogen-doping derived from natural biowaste for high-performance flexible solid-state supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2019 , 548, 322-332	9.3	50
173	Dual-luminescence-center single-component white-light Sr ₂ V ₂ O ₇ :Eu ³⁺ phosphors for white LEDs. <i>Acta Materialia</i> , 2013 , 61, 5096-5104	8.4	48
172	Highly enantioselective synthesis of 2,6-disubstituted and 2,2,6-trisubstituted dihydropyrones: a one-step synthesis of (R)-(+)-hepialone and its analogues. <i>Journal of Organic Chemistry</i> , 2005 , 70, 8533-742	7.4	48
171	Electrochemically building three-dimensional supramolecular polymer hydrogel for flexible solid-state micro-supercapacitors. <i>Electrochimica Acta</i> , 2019 , 301, 136-144	6.7	47
170	Simultaneously Harvesting Thermal and Mechanical Energies based on Flexible Hybrid Nanogenerator for Self-Powered Cathodic Protection. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28142-7	9.5	46
169	Rationally assembled porous carbon superstructures for advanced supercapacitors. <i>Chemical Engineering Journal</i> , 2019 , 361, 1296-1303	14.7	46

168	High-voltage asymmetric MXene-based on-chip micro-supercapacitors. <i>Nano Energy</i> , 2020 , 74, 104928	17.1	44
167	Strong Lewis Acid-Base and Weak Hydrogen Bond Synergistically Enhancing Ionic Conductivity of Poly(ethylene oxide)@SiO Electrolytes for a High Rate Capability Li-Metal Battery. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10341-10349	9.5	43
166	Ultrafast Thermodynamic Control for Stable and Efficient Mixed Halide Perovskite Nanocrystals. <i>Advanced Functional Materials</i> , 2020 , 30, 2000026	15.6	42
165	An ultrathin robust polymer membrane for wearable solid-state electrochemical energy storage. <i>Nano Energy</i> , 2020 , 76, 105179	17.1	42
164	Scalable, and low-cost treating-cutting-coating manufacture platform for MXene-based on-chip micro-supercapacitors. <i>Nano Energy</i> , 2020 , 69, 104431	17.1	39
163	Hierarchically Microstructure-Bioinspired Flexible Piezoresistive Bioelectronics. <i>ACS Nano</i> , 2021 ,	16.7	38
162	Trivalent europium-doped strontium molybdate red phosphors in white light-emitting diodes: Synthesis, photophysical properties and theoretical calculations. <i>Acta Materialia</i> , 2012 , 60, 5399-5407	8.4	37
161	In Situ Direct Method To Massively Prepare Hydrophilic Porous Carbide-Derived Carbons for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2018 , 1, 3544-3553	6.1	36
160	A novel stretchable supercapacitor electrode with high linear capacitance. <i>Chemical Engineering Journal</i> , 2018 , 349, 168-175	14.7	35
159	A piezo-phototronic enhanced serrate-structured ZnO-based heterojunction photodetector for optical communication. <i>Nanoscale</i> , 2019 , 11, 3021-3027	7.7	33
158	Asymmetric ionic aerogel of biologic nanofibrils for harvesting electricity from moisture. <i>Nano Energy</i> , 2020 , 71, 104610	17.1	33
157	Synthetic Biopigment Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30360-30367	9.5	33
156	Fluorescence spectra and crystal field analysis of BaMoO(4): Eu(3+) phosphors for white light-emitting diodes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 123, 12-7	4.4	33
155	Surface pre-optimization of a mixed halide perovskite toward high photoluminescence quantum yield in the blue spectrum range. <i>Nanoscale</i> , 2019 , 11, 15206-15215	7.7	32
154	Hierarchically Divacancy Defect Building Dual-Activated Porous Carbon Fibers for High-Performance Energy-Storage Devices. <i>Advanced Functional Materials</i> , 2020 , 30, 2002580	15.6	32
153	Bandwidth increasing mechanism by introducing a curve fixture to the cantilever generator. <i>Applied Physics Letters</i> , 2016 , 109, 043905	3.4	32
152	Flexible pyroelectric generators for scavenging ambient thermal energy and as self-powered thermosensors. <i>Energy</i> , 2016 , 101, 202-210	7.9	29
151	Enhancing Lithium Adsorption and Diffusion toward Extraordinary Lithium Storage Capability of Freestanding Ti3C2Tx MXene. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 2792-2800	3.8	29

150	Strong influence of substrate temperature on the growth of nanocrystalline MoO ₃ thin films. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 3965-3968	2.3	28
149	Composition controlled nickel cobalt sulfide core-shell structures as high capacity and good rate-capability electrodes for hybrid supercapacitors. <i>RSC Advances</i> , 2016 , 6, 50209-50216	3.7	28
148	Stretchable Micromotion Sensor with Enhanced Sensitivity Using Serpentine Layout. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 12261-12271	9.5	27
147	Constructing Gradient Energy Levels to Promote Exciton Energy Transfer for Photoluminescence Controllability of All-Inorganic Perovskites and Application in Single-Component WLEDs. <i>Chemistry of Materials</i> , 2019 , 31, 5616-5624	9.6	27
146	Understanding the Potential Screening Effect through the Discretely Structured ZnO Nanorods Piezo Array. <i>Nano Letters</i> , 2020 , 20, 4270-4277	11.5	26
145	Aqueous Phase Exfoliating Quasi-2D CsPbBr Nanosheets with Ultrahigh Intrinsic Water Stability. <i>Small</i> , 2019 , 15, e1901994	11	26
144	Piezoresistive effect in MoO ₃ nanobelts and its application in strain-enhanced oxygen sensors. <i>Nano Research</i> , 2014 , 7, 180-189	10	26
143	Three-dimensional polymer networks for solid-state electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2020 , 391, 123548	14.7	26
142	Filling the holes in piezopolymers with a solid electrolyte: a new paradigm of poling-free dynamic electrets for energy harvesting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 189-200	13	25
141	Air-Stable Conductive Polymer Ink for Printed Wearable Micro-Supercapacitors. <i>Small</i> , 2021 , 17, e2100956	14.7	24
140	Enhanced performance of ZnO microballoon arrays for a triboelectric nanogenerator. <i>Nanotechnology</i> , 2017 , 28, 135401	3.4	23
139	Self-powered graphene quantum dot/poly(vinylidene fluoride) composites with remarkably enhanced mechanical-to-electrical conversion. <i>RSC Advances</i> , 2016 , 6, 67400-67408	3.7	23
138	Defect model and spin-Hamiltonian parameters for the tetragonal Mo ⁵⁺ and W ⁵⁺ centers in Cs ₂ ZrCl ₆ and Cs ₂ HfCl ₆ crystals. <i>Philosophical Magazine</i> , 2009 , 89, 1621-1628	1.6	23
137	Quaternized Silk Nanofibrils for Electricity Generation from Moisture and Ion Rectification. <i>ACS Nano</i> , 2020 , 14, 10600-10607	16.7	23
136	Tailoring carbon nanomaterials via a molecular scissor. <i>Nano Today</i> , 2021 , 36, 101033	17.9	23
135	Self-assembly biomimetic fern leaf-like Fe ₂ O ₃ for sensing inflammable 1-butanol gas. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 29-35	8.5	21
134	3D Pt/MoO ₃ nanocatalysts fabricated for effective electrocatalytic oxidation of alcohol. <i>Applied Surface Science</i> , 2015 , 356, 294-300	6.7	21
133	Controllable synthesis of self-assembly Co ₃ O ₄ nanoflake microspheres for electrochemical performance. <i>Nanotechnology</i> , 2016 , 27, 355603	3.4	21

132	Dynamically evolving 2D supramolecular polyaniline nanosheets for long-stability flexible supercapacitors. <i>Chemical Engineering Journal</i> , 2021 , 423, 130203	14.7	21
131	Preparation and luminescent properties of self-organized broccoli-like SrMoO ₄ : Pr ³⁺ superparticles. <i>Journal of Luminescence</i> , 2017 , 190, 69-75	3.8	20
130	EPR g factors and tetragonal distortion for the isoelectronic Ni ⁺ and Cu ²⁺ centers in the CuGaSe ₂ crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 528-531	2.8	20
129	Investigations of the spin-Hamiltonian parameters and tetragonal distortion due to the Jahn-Teller effect for Cu(H ₂ O) ₆ ²⁺ clusters in C(NH ₂) ₃ Al(SO ₄) ₂ ·6H ₂ O: Cu ²⁺ crystal. <i>Physica B: Condensed Matter</i> , 2010 , 405, 2018-2020	2.8	19
128	An enhanced low-frequency vibration ZnO nanorod-based tuning fork piezoelectric nanogenerator. <i>Nanoscale</i> , 2018 , 10, 843-847	7.7	19
127	Glowing stereocomplex biopolymers are generating power: polylactide/carbon quantum dot hybrid nanofibers with high piezoresponse and multicolor luminescence. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1810-1823	13	18
126	Free-Fixed Rotational Triboelectric Nanogenerator for Self-Powered Real-Time Wheel Monitoring. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000918	6.8	18
125	Theoretical spectra identification and fluorescent properties of reddish orange Sm-doped BaTiO ₃ phosphors. <i>Journal of Alloys and Compounds</i> , 2015 , 643, 247-252	5.7	17
124	A high-performance white-light-emitting-diodes based on nano-single crystal divanadates quantum dots. <i>Scientific Reports</i> , 2015 , 5, 10460	4.9	17
123	Internally-externally defects-tailored MAPbI ₃ perovskites with highly enhanced air stability and quantum yield. <i>Chemical Engineering Journal</i> , 2020 , 399, 125715	14.7	17
122	Enhanced performance of core-shell structured polyaniline at helical carbon nanotube hybrids for ammonia gas sensor. <i>Applied Physics Letters</i> , 2014 , 105, 203109	3.4	17
121	Theoretical calculations of the spin-Hamiltonian parameters from a two-mechanism model for Cr ⁵⁺ ions in MVO ₃ (M = Li, Na, K, Rb) crystals. <i>Molecular Physics</i> , 2009 , 107, 2245-2249	1.7	17
120	Space matters: Li ⁺ conduction versus strain effect at FePO ₄ /LiFePO ₄ interface. <i>Applied Physics Letters</i> , 2016 , 108, 083901	3.4	17
119	Fabrication and field emission properties of needle-shaped MoO ₃ nanobelts. <i>Journal of Alloys and Compounds</i> , 2013 , 576, 332-335	5.7	16
118	MXene based mechanically and electrically enhanced film for triboelectric nanogenerator. <i>Nano Research</i> , 1	10	16
117	Cryogenic-Temperature Thermodynamically Suppressed and Strongly Confined CsPbBr ₃ Quantum Dots for Deeply Blue Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021 , 9, 2100300	8.1	16
116	Intelligent Sensing System Based on Hybrid Nanogenerator by Harvesting Multiple Clean Energy. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700886	3.5	16
115	Investigations of the spin-Hamiltonian parameters and tetragonal distortions due to Jahn-Teller effect for the monovalent d ⁹ (Ni ⁺ , Pd ⁺ , Pt ⁺) impurity centers in AgCl crystals. <i>Journal of Alloys and Compounds</i> , 2010 , 507, 498-501	5.7	15

114	Studies of the tetragonal distortion due to Jahn-Teller effect for the Cu ²⁺ centres in trigonal ZnMF ₆ ·nH ₂ O (M = Si, Ti, Zr) crystals from the calculations of spin-Hamiltonian parameters. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 1915-1918	1.3	15
113	Investigations of the optical spectra and EPR g factors for the tetragonal Cu ²⁺ centers in trigonal ZnCO ₃ crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 458-60	4.4	15
112	Pressure-crystallized piezopolymer/ionomer/graphene quantum dot composites: A novel poling-free dynamic hybrid electret with enhanced energy harvesting properties. <i>Composites Science and Technology</i> , 2018 , 164, 282-289	8.6	14
111	A low-frequency, broadband and tri-hybrid energy harvester with septuple-stable nonlinearity-enhanced mechanical frequency up-conversion mechanism for powering portable electronics. <i>Nano Energy</i> , 2019 , 64, 103943	17.1	14
110	Spin-Hamiltonian parameters and tetragonal distortion due to the Jahn-Teller effect for Cu ²⁺ centres in trigonal Zn(BrO ₃) ₂ ·nH ₂ O crystal. <i>Molecular Physics</i> , 2009 , 107, 2293-2297	1.7	14
109	Understanding the Percolation Effect in Triboelectric Nanogenerator with Conductive Intermediate Layer. <i>Research</i> , 2021 , 2021, 7189376	7.8	14
108	Studies of the spin-Hamiltonian parameters and the Jahn-Teller distortions for tetragonal Cu(H ₂ O) ₆ (2+) clusters in trigonal A ₂ Mg ₃ (NO ₃) ₁₂ ·24H ₂ O (A=La, Bi) crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 1280-2	4.4	13
107	Water-evaporation-induced intermolecular force for nano-wrinkled polymeric membrane. <i>Cell Reports Physical Science</i> , 2021 , 100441	6.1	13
106	Microstructure-Based Interfacial Tuning Mechanism of Capacitive Pressure Sensors for Electronic Skin. <i>Journal of Sensors</i> , 2016 , 2016, 1-8	2	13
105	Self-Powered Nanocomposites under an External Rotating Magnetic Field for Noninvasive External Power Supply Electrical Stimulation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38323-38335	9.5	11
104	Investigations of spin-Hamiltonian parameters and defect structures for two tetragonal Cu ²⁺ centers in KTaO ₃ crystal. <i>Crystal Research and Technology</i> , 2010 , 45, 1132-1136	1.3	11
103	Synthesis of Size-Controllable NiCo ₂ S ₄ Hollow Nanospheres Toward Enhanced Electrochemical Performance. <i>Energy and Environmental Materials</i> , 2020 , 3, 421-428	13	11
102	Ethanol/Water-assisted room temperature synthesis of CsPbBr ₃ /SiO ₂ nanocomposites with high stability in ethanol. <i>Journal of Materials Science</i> , 2019 , 54, 3786-3794	4.3	11
101	Antisolvent-Induced Fastly Grown All-Inorganic Perovskite CsPbCl ₃ Microcrystal Films for High-Sensitive UV Photodetectors. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001812	4.6	11
100	A review of low-dimensional metal halide perovskites for blue light emitting diodes. <i>Journal of Alloys and Compounds</i> , 2021 , 883, 160727	5.7	11
99	TiCT MXene-Based Micro-Supercapacitors with Ultrahigh Volumetric Energy Density for All-in-One Si-Electronics.. <i>ACS Nano</i> , 2022 ,	16.7	11
98	Coaxially enhanced photocarrier transport of a highly oriented Cu ₂ ZnSnS ₄ /ZnO photodetector through the nanoconfinement effect. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3491-3497	7.1	10
97	Theoretical Studies of the Electron Paramagnetic Resonance and Optical Spectral Data for Vanadium(IV) Ion in Yttrium Aluminum Garnet Crystal. <i>Spectroscopy Letters</i> , 2011 , 44, 354-358	1.1	10

96	A theoretical study on the temperature dependence of zero-field splitting for the tetragonal Cr ³⁺ center in MgO crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 78, 818-20	4.4	10
95	First principle study of the electronic structure of hafnium-doped anatase TiO ₂ . <i>Journal of Semiconductors</i> , 2012 , 33, 012002	2.3	10
94	Investigations of the optical spectra and EPR g factors for LuAlO ₃ :Ce ³⁺ crystal. <i>Physica B: Condensed Matter</i> , 2010 , 405, 1055-1057	2.8	10
93	A theoretical study of EPR g factors for the rhombic CuCl ₆ clusters in (3-chloroanilinium) ₈ [CdCl ₆]Cl ₄ :Cu ²⁺ crystal. <i>Physica B: Condensed Matter</i> , 2010 , 405, 3642-3644	2.8	10
92	Understanding the Ion-Sorption Dynamics in Functionalized Porous Carbons for Enhanced Capacitive Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2773-2782	9.5	10
91	Intrinsically Stretchable and Shape Memory Conducting Nanofiber for Programmable Flexible Electronic Films. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 48202-48211	9.5	10
90	From high-yield Ti ₃ AlCN ceramics to high-quality Ti ₃ CNT MXenes through eliminating Al segregation. <i>Chinese Chemical Letters</i> , 2020 , 31, 1044-1048	8.1	10
89	Na and Pr co-doped orange-emitting CaYAlO phosphors: synthesis, luminescence properties and theoretical calculations. <i>Dalton Transactions</i> , 2018 , 47, 17515-17524	4.3	10
88	Low toxicity antisolvent synthesis of composition-tunable luminescent all-inorganic perovskite nanocrystals. <i>Ceramics International</i> , 2018 , 44, 18123-18128	5.1	10
87	Studies of the spin-Hamiltonian parameters, d transitions and defect structures for two tetragonal Cu ²⁺ centers in Ba ₂ ZnF ₆ :Cu ²⁺ crystal. <i>Journal of Luminescence</i> , 2009 , 129, 1371-1374	3.8	9
86	Water Energy Harvesting and Self-Powered Visible Light Communication Based on Triboelectric Nanogenerator. <i>Energy Technology</i> , 2018 , 6, 1929-1934	3.5	8
85	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. <i>Journal of Fluorescence</i> , 2018 , 28, 707-723	2.4	8
84	Spin-Hamiltonian parameters for the tetragonal Gd(M) ₃ +F(i)- centers in CaF ₂ and SrF ₂ crystals. <i>Journal of Magnetic Resonance</i> , 2013 , 227, 62-5	3	8
83	Tailoring Ti ₃ CNT _x MXene via an acid molecular scissor. <i>Nano Energy</i> , 2021 , 85, 106007	17.1	8
82	Copper-doping defect-lowered perovskite nanosheets for deep-blue light-emitting diodes. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 1796-1804	9.3	8
81	High-Performance Simultaneous Two-Photon Absorption Upconverted Stimulated Single-Component Sr ₂ V ₂ O ₇ Phosphor for White LEDs. <i>Journal of Electronic Materials</i> , 2015 , 44, 3465-3470	1.9	7
80	Carbon Nanolights in Piezopolymers are Self-Organizing Toward Color Tunable Luminous Hybrids for Kinetic Energy Harvesting. <i>Small</i> , 2020 , 16, e1905703	11	7
79	Visible and near-infrared luminescent properties of Pr doped strontium molybdate thin films by a facile polymer-assisted deposition process. <i>Journal of Colloid and Interface Science</i> , 2018 , 531, 181-188	9.3	7

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