

Weiqing Yang

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

221
papers

9,193
citations

48
h-index

90
g-index

229
ext. papers

11,314
ext. citations

8.5
avg, IF

6.41
L-index

#	Paper	IF	Citations
221	Structurally Unraveling the Photocarrier Behavior of Cu ₂ O/ZnO Heterojunction Photodetectors. <i>ACS Photonics</i> , 2022 , 9, 268-274	6.3	1
220	Pair directed silver nano-lines by single-particle assembly in nanofibers for non-contact humidity sensors. <i>Nano Energy</i> , 2022 , 92, 106748	17.1	6
219	Controllable in-situ-oxidization of 3D-networked Ti ₃ C ₂ T-TiO ₂ photodetectors for large-area flexible optical imaging. <i>Nano Energy</i> , 2022 , 93, 106889	17.1	3
218	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
217	Structurally Tolerance-Factor-Tuned Metal Halide Nanocrystals for Environmentally Stable and Efficient Red Light-Emitting Diodes.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2217-2225	6.4	1
216	Dielectric micro-capacitance for enhancing piezoelectricity via aligning MXene sheets in composites. <i>Cell Reports Physical Science</i> , 2022 , 100814	6.1	7
215	TiCT MXene-Based Micro-Supercapacitors with Ultrahigh Volumetric Energy Density for All-in-One Si-Electronics.. <i>ACS Nano</i> , 2022 ,	16.7	11
214	Nonblinking Colloidal Quantum Dots via Efficient Multiexciton Emission.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2371-2378	6.4	
213	Biomass-derived nanostructured coatings based on cellulose nanofibers-melanin hybrids toward solar-enabled multifunctional energy management. <i>Nano Energy</i> , 2022 , 97, 107180	17.1	2
212	Self-assembly defect-regulating superstructured carbon. <i>Energy Storage Materials</i> , 2022 , 48, 164-171	19.4	2
211	Physicochemically dendrite-suppressed three-dimensional fluoridation solid-state electrolyte for high-rate lithium metal battery. <i>Cell Reports Physical Science</i> , 2021 , 100644	6.1	4
210	Perspectives on preparation of two-dimensional MXenes. <i>Science and Technology of Advanced Materials</i> , 2021 , 22, 917-930	7.1	1
209	Thermodynamics-Induced Injection Enhanced Deep-Blue Perovskite Quantum Dot LEDs. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57560-57566	9.5	6
208	A micro-vibration apparatus for dynamic mechanical analysis of ultrathin polymer films. <i>Review of Scientific Instruments</i> , 2021 , 92, 103904	1.7	
207	Water-evaporation-induced intermolecular force for nano-wrinkled polymeric membrane. <i>Cell Reports Physical Science</i> , 2021 , 100441	6.1	13
206	Air-Stable Conductive Polymer Ink for Printed Wearable Micro-Supercapacitors. <i>Small</i> , 2021 , 17, e2100956		24
205	Modeling and harmonic analysis of energy extracting performance of a piezoelectric nonlinear energy sink system with AC and DC interface circuits. <i>Mechanical Systems and Signal Processing</i> , 2021 , 155, 107609	7.8	4

204	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
203	Wearable Bioelectronics: Air-Stable Conductive Polymer Ink for Printed Wearable Micro-Supercapacitors (Small 25/2021). <i>Small</i> , 2021 , 17, 2170128	11	1
202	Hierarchically Microstructure-Bioinspired Flexible Piezoresistive Bioelectronics. <i>ACS Nano</i> , 2021 ,	16.7	38
201	Electric-Field-Induced Ion Migration Behavior in Methylammonium Lead Iodide Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 7106-7112	6.4	4
200	Tailoring Ti3CNTx MXene via an acid molecular scissor. <i>Nano Energy</i> , 2021 , 85, 106007	17.1	8
199	Tailoring carbon nanomaterials via a molecular scissor. <i>Nano Today</i> , 2021 , 36, 101033	17.9	23
198	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
197	Solving Gravimetric-Volumetric Capacitive Paradox of 2D Materials through Dual-Functional Chemical Bonding-Induced Self-Constructing Graphene-MXene Monoliths. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6339-6348	9.5	4
196	Expecting the unexpected: high pressure crystallization significantly boosts up triboelectric outputs of microbial polyesters. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6306-6315	13	0
195	Understanding the Percolation Effect in Triboelectric Nanogenerator with Conductive Intermediate Layer. <i>Research</i> , 2021 , 2021, 7189376	7.8	14
194	Free-Fixed Rotational Triboelectric Nanogenerator for Self-Powered Real-Time Wheel Monitoring. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000918	6.8	18
193	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
192	Localized quenching sites in MAPbI ₃ investigated by fluorescence and photothermal microscopy. <i>Review of Scientific Instruments</i> , 2021 , 92, 083701	1.7	1
191	Chain-Elongated Ionic Liquid Electrolytes for Low Self-Discharge All-Solid-State Supercapacitors at High Temperature. <i>ChemSusChem</i> , 2021 , 14, 3895-3903	8.3	7
190	Transient response of a nonlinear energy sink based piezoelectric vibration energy harvester coupled to a synchronized charge extraction interface. <i>Nano Energy</i> , 2021 , 87, 106179	17.1	0
189	A Perovskite-Based Photodetector with Enhanced Light Absorption, Heat Dissipation, and Humidity Stability. <i>Advanced Photonics Research</i> , 2021 , 2, 2100123	1.9	0
188	Rational Building of Nonblinking Carbon Dots via Charged State Recovery. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 8614-8620	6.4	1
187	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

186	Conducting polymer ink for flexible and printable micro-supercapacitors with greatly-enhanced rate capability. <i>Journal of Power Sources</i> , 2021 , 513, 230555	8.9	7
185	Dynamically evolving 2D supramolecular polyaniline nanosheets for long-stability flexible supercapacitors. <i>Chemical Engineering Journal</i> , 2021 , 423, 130203	14.7	21
184	Energy scavenging luminescent piezo-fabrics: small silicon dots enable big electrical outputs. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 13231-13241	13	4
183	The metal doping strategy in all inorganic lead halide perovskites: synthesis, physicochemical properties, and optoelectronic applications. <i>Nanoscale</i> , 2021 , 13, 18010-18031	7.7	6
182	High-voltage asymmetric MXene-based on-chip micro-supercapacitors. <i>Nano Energy</i> , 2020 , 74, 104928	17.1	44
181	Understanding the Potential Screening Effect through the Discretely Structured ZnO Nanorods Piezo Array. <i>Nano Letters</i> , 2020 , 20, 4270-4277	11.5	26
180	Cellulose II Aerogel-Based Triboelectric Nanogenerator. <i>Advanced Functional Materials</i> , 2020 , 30, 2001763	13.6	52
179	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
178	Ultrafast Thermodynamic Control for Stable and Efficient Mixed Halide Perovskite Nanocrystals. <i>Advanced Functional Materials</i> , 2020 , 30, 2000026	15.6	42
177	Unraveling and Regulating Self-Discharge Behavior of TiCT MXene-Based Supercapacitors. <i>ACS Nano</i> , 2020 , 14, 4916-4924	16.7	86
176	Hierarchically structured PVDF/ZnO core-shell nanofibers for self-powered physiological monitoring electronics. <i>Nano Energy</i> , 2020 , 72, 104706	17.1	101
175	An ultrathin robust polymer membrane for wearable solid-state electrochemical energy storage. <i>Nano Energy</i> , 2020 , 76, 105179	17.1	42
174	Manipulating Relative Permittivity for High-Performance Wearable Triboelectric Nanogenerators. <i>Nano Letters</i> , 2020 , 20, 6404-6411	11.5	140
173	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
172	Asymmetric ionic aerogel of biologic nanofibrils for harvesting electricity from moisture. <i>Nano Energy</i> , 2020 , 71, 104610	17.1	33
171	Strong Lewis Acid-Base and Weak Hydrogen Bond Synergistically Enhancing Ionic Conductivity of Poly(ethylene oxide)@SiO ₂ Electrolytes for a High Rate Capability Li-Metal Battery. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10341-10349	9.5	43
170	Microchannel-Confined MXene Based Flexible Piezoresistive Multifunctional Micro-Force Sensor. <i>Advanced Functional Materials</i> , 2020 , 30, 1909603	15.6	133
169	Carbon Nanolights in Piezopolymers are Self-Organizing Toward Color Tunable Luminous Hybrids for Kinetic Energy Harvesting. <i>Small</i> , 2020 , 16, e1905703	11	7

168	Electrospun luminescent piezo webs as self-powered sensing platform for small accelerations at low frequency. <i>Composites Communications</i> , 2020 , 20, 100348	6.7	6
167	A linear-to-rotary hybrid nanogenerator for high-performance wearable biomechanical energy harvesting. <i>Nano Energy</i> , 2020 , 67, 104235	17.1	140
166	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
165	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
164	Three-dimensional polymer networks for solid-state electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2020 , 391, 123548	14.7	26
163	Grain-orientation-engineered textured BaMoO ₄ : Eu ³⁺ luminescent thin film. <i>Ceramics International</i> , 2020 , 46, 27238-27243	5.1	1
162	Understanding Excitonic Behavior in Light Absorption and Recombination Process. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 26076-26082	3.8	6
161	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
160	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
159	Quaternized Silk Nanofibrils for Electricity Generation from Moisture and Ion Rectification. <i>ACS Nano</i> , 2020 , 14, 10600-10607	16.7	23
158	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
157	All-Inorganic Perovskites: Aqueous Phase Exfoliating Quasi-2D CsPbBr ₃ Nanosheets with Ultrahigh Intrinsic Water Stability (Small 34/2019). <i>Small</i> , 2019 , 15, 1970182	11	2
156	Nanogenerator as new energy technology for self-powered intelligent transportation system. <i>Nano Energy</i> , 2019 , 66, 104086	17.1	77
155	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
154	Electrochemically building three-dimensional supramolecular polymer hydrogel for flexible solid-state micro-supercapacitors. <i>Electrochimica Acta</i> , 2019 , 301, 136-144	6.7	47
153	A piezo-phototronic enhanced serrate-structured ZnO-based heterojunction photodetector for optical communication. <i>Nanoscale</i> , 2019 , 11, 3021-3027	7.7	33
152	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
151	Biological Nanofibrous Generator for Electricity Harvest from Moist Air Flow. <i>Advanced Functional Materials</i> , 2019 , 29, 1901798	15.6	56

150	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
149	Stretchable Micromotion Sensor with Enhanced Sensitivity Using Serpentine Layout. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 12261-12271	9.5	27
148	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
147	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
146	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
145	All-Sprayable Hierarchically Nanostructured Conducting Polymer Hydrogel for Massively Manufactured Flexible All-Solid-State Supercapacitor. <i>Energy Technology</i> , 2019 , 7, 1801109	3.5	5
144	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
143	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
142	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
141	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
140	Synthetic Biopigment Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30360-30367	9.5	33
139	Aqueous Phase Exfoliating Quasi-2D CsPbBr ₃ Nanosheets with Ultrahigh Intrinsic Water Stability. <i>Small</i> , 2019 , 15, e1901994	11	26
138	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
137	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
136	Enhancing Lithium Adsorption and Diffusion toward Extraordinary Lithium Storage Capability of Freestanding Ti ₃ C ₂ T _x MXene. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 2792-2800	3.8	29
135	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
134	Rationally assembled porous carbon superstructures for advanced supercapacitors. <i>Chemical Engineering Journal</i> , 2019 , 361, 1296-1303	14.7	46
133	One-step hot injection synthesis of gradient alloy Cd _x Zn _{1-x} SySe _{1-y} quantum dots with large-span self-regulating ability. <i>Journal of Luminescence</i> , 2019 , 206, 565-570	3.8	6

132	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
131	Water Energy Harvesting and Self-Powered Visible Light Communication Based on Triboelectric Nanogenerator. <i>Energy Technology</i> , 2018 , 6, 1929-1934	3.5	8
130	High-performance optical projection controllable ZnO nanorod arrays for microweighing sensors. <i>Nanoscale</i> , 2018 , 10, 4727-4734	7.7	3
129	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
128	Luminescent Enhancement of Na ⁺ and Sm ³⁺ Co-doping Reddish Orange SrCa ₃ Si ₂ O ₈ Phosphors. <i>Journal of Electronic Materials</i> , 2018 , 47, 2386-2393	1.9	3
127	Hybrid nanogenerators for low frequency vibration energy harvesting and self-powered wireless locating. <i>Materials Research Express</i> , 2018 , 5, 015510	1.7	4
126	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
125	Structural and Optical Investigations of Quasi-Single Crystal Eu-Doped BaWO Thin Films. <i>Langmuir</i> , 2018 , 34, 8499-8507	4	5
124	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
123	Nanogenerators Begin to Light Up: A Novel Poling-Free Piezoelectric System with Multicolor Photoluminescence as an Efficient Mechatronics Development Platform. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800587	4.6	7
122	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
121	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
120	Intelligent Sensing System Based on Hybrid Nanogenerator by Harvesting Multiple Clean Energy. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700886	3.5	16
119	An enhanced low-frequency vibration ZnO nanorod-based tuning fork piezoelectric nanogenerator. <i>Nanoscale</i> , 2018 , 10, 843-847	7.7	19
118	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
117	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
116	Facile and low-cost fabrication of uniform silicon micro/nanostructures by nanopitting-assisted wet chemical etching. <i>Micro and Nano Letters</i> , 2018 , 13, 1296-1301	0.9	4
115	Polarization-free high-crystallization P(VDF) piezoelectric nanogenerator toward self-powered 3D acceleration sensor. <i>Nano Energy</i> , 2018 , 50, 632-638	17.1	99

114	A novel stretchable supercapacitor electrode with high linear capacitance. <i>Chemical Engineering Journal</i> , 2018 , 349, 168-175	14.7	35
113	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
112	Low toxicity antisolvent synthesis of composition-tunable luminescent all-inorganic perovskite nanocrystals. <i>Ceramics International</i> , 2018 , 44, 18123-18128	5.1	10
111	Enhanced performance of ZnO microballoon arrays for a triboelectric nanogenerator. <i>Nanotechnology</i> , 2017 , 28, 135401	3.4	23
110	Smart network node based on hybrid nanogenerator for self-powered multifunctional sensing. <i>Nano Energy</i> , 2017 , 33, 418-426	17.1	64
109	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
108	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
107	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
106	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
105	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
104	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
103	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
102	Self-Powered Acceleration Sensor Based on Liquid Metal Triboelectric Nanogenerator for Vibration Monitoring. <i>ACS Nano</i> , 2017 , 11, 7440-7446	16.7	207
101	A facile in-situ growth of large area flexible MoO ₃ microsheets aligned arrays for temperature sensor. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 2965-2968	5.7	2
100	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
99	Self-Powered Safety Helmet Based on Hybridized Nanogenerator for Emergency. <i>ACS Nano</i> , 2016 , 10, 7874-81	16.7	153
98	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
97	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

96	Self-assembly gridding β -MoO ₃ nanobelts for highly toxic H ₂ S gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 350-357	8.5	52
95	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
94	Microstructure-Based Interfacial Tuning Mechanism of Capacitive Pressure Sensors for Electronic Skin. <i>Journal of Sensors</i> , 2016 , 2016, 1-8	2	13
93	Functional Nanomaterials for Sustainable Energy Technologies. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-2	3.2	5
92	Lawn Structured Triboelectric Nanogenerators for Scavenging Sweeping Wind Energy on Rooftops. <i>Advanced Materials</i> , 2016 , 28, 1650-6	24	269
91	Space matters: Li ⁺ conduction versus strain effect at FePO ₄ /LiFePO ₄ interface. <i>Applied Physics Letters</i> , 2016 , 108, 083901	3.4	17
90	Controllable synthesis of self-assembly Co ₃ O ₄ nanoflake microspheres for electrochemical performance. <i>Nanotechnology</i> , 2016 , 27, 355603	3.4	21
89	Bandwidth increasing mechanism by introducing a curve fixture to the cantilever generator. <i>Applied Physics Letters</i> , 2016 , 109, 043905	3.4	32
88	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
87	Flexible pyroelectric generators for scavenging ambient thermal energy and as self-powered thermosensors. <i>Energy</i> , 2016 , 101, 202-210	7.9	29
86	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
85	Nanostructures and Thin Films Deposited with Sputtering 2016 , 59-79		
84	Nanomaterial Development with Liquid-Phase Epitaxy 2016 , 141-157		
83	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
82	Personalized keystroke dynamics for self-powered human-machine interfacing. <i>ACS Nano</i> , 2015 , 9, 105-16.7	16.7	195
81	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
80	Multifunctional triboelectric nanogenerator based on porous micro-nickel foam to harvest mechanical energy. <i>Nano Energy</i> , 2015 , 16, 516-523	17.1	81
79	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

78	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	10	7
77	3D Pt/MoO ₃ nanocatalysts fabricated for effective electrocatalytic oxidation of alcohol. <i>Applied Surface Science</i> , 2015 , 356, 294-300	6.7	21
76	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
75	Piezoresistive effect in MoO ₃ nanobelts and its application in strain-enhanced oxygen sensors. <i>Nano Research</i> , 2014 , 7, 180-189	10	26
74	Triboelectrification based motion sensor for human-machine interfacing. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7479-84	9.5	133
73	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
72	Harvesting broadband kinetic impact energy from mechanical triggering/vibration and water waves. <i>ACS Nano</i> , 2014 , 8, 7405-12	16.7	150
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