Yueli Liu

List of Publications by Citations

203 papers	6,336 citations	39 h-index	74 g-index
215 ext. papers	7,309 ext. citations	5.9 avg, IF	5.94 L-index

#	Paper	IF	Citations
203	Superior Electrochemical Performance and Storage Mechanism of Na3V2(PO4)3 Cathode for Room-Temperature Sodium-Ion Batteries. *Advanced Energy Materials*, **2013**, 3, 156-160	21.8	691
202	Polypyrrole-coated paper for flexible solid-state energy storage. *Energy and Environmental Science*, **2013**, 6, 470	35.4	517
201	NASICON-Structured Materials for Energy Storage. *Advanced Materials*, **2017**, 29, 1601925	24	264
200	Atomic Structure and Kinetics of NASICON NaxV2(PO4)3 Cathode for Sodium-Ion Batteries. *Advanced Functional Materials*, **2014**, 24, 4265-4272	15.6	245
199	Atomic-scale investigation on lithium storage mechanism in TiNb2O7,. *Energy and Environmental Science*, **2011**, 4, 2638	35.4	205
198	Preparation of carbon coated MoS2 flower-like nanostructure with self-assembled nanosheets as high-performance lithium-ion battery anodes. *Journal of Materials Chemistry A*, **2014**, 2, 7862	13	186
197	High sensitivity and good selectivity of ultralong MoO3 nanobelts for trimethylamine gas. *Sensors and Actuators B: Chemical*, **2016**, 226, 478-485	8.5	175
196	From Copper Nanocrystalline to CuO Nanoneedle Array: Synthesis, Growth Mechanism, and Properties. *Journal of Physical Chemistry C*, **2007**, 111, 5050-5056	3.8	153
195	Short-Chain Ligand-Passivated Stable □CsPbI3 Quantum Dot for All-Inorganic Perovskite Solar Cells. *Advanced Functional Materials*, **2019**, 29, 1900991	15.6	149
194	The sensitivity of gas sensor based on single ZnO nanowire modulated by helium ion radiation. *Applied Physics Letters*, **2007**, 91, 173110	3.4	146
193	A novel gas sensor based on field ionization from ZnO nanowires: moderate working voltage and high stability. *Nanotechnology*, **2008**, 19, 175501	3.4	108
192	Raman spectra of carbon nanotubes and nanofibers prepared by ethanol flames. *Journal of Materials Science*, **2004**, 39, 1091-1094	4.3	108
191	High Efficiency Mesoscopic Solar Cells Using CsPbI Perovskite Quantum Dots Enabled by Chemical Interface Engineering. *Journal of the American Chemical Society*, **2020**, 142, 3775-3783	16.4	92
190	Effect of modification by poly(ethylene oxide) on the reversibility of insertion/extraction of Li+ ion in V2O5 xerogel films. *Journal of Materials Chemistry*, **2002**, 12, 1926-1929		88
189	Multiwall boron carbonitride/carbon nanotube junction and its rectification behavior. *Journal of the American Chemical Society*, **2007**, 129, 9562-3	16.4	83
188	Synthesis and photovoltaic performance of reduced graphene oxide□TiO2 nanoparticles composites by solvothermal method. *Journal of Alloys and Compounds*, **2013**, 563, 229-233	5.7	74
187	Synthesis and growth mechanism of carbon nanotubes and nanofibers from ethanol flames. *Micron*, **2004**, 35, 461-8	2.3	71

186	Highly sensitive and selective ammonia gas sensors based on PbS quantum dots/TiO2 nanotube arrays at room temperature. *Sensors and Actuators B: Chemical*, **2016**, 236, 529-536	8.5	70
185	Synthesis, structural, and electrochemical performance of V2O5 nanotubes as cathode material for lithium battery. *Journal of Applied Electrochemistry*, **2009**, 39, 2001-2006	2.6	68
184	Probing the limits of plasmonic enhancement using a two-dimensional atomic crystal probe. *Light: Science and Applications*, **2018**, 7, 56	16.7	66
183	Bioinspired elastic piezoelectric composites for high-performance mechanical energy harvesting. *Journal of Materials Chemistry A*, **2018**, 6, 14546-14552	13	65
182	Probing of sub-picometer vertical differential resolutions using cavity plasmons. *Nature Communications*, **2018**, 9, 801	17.4	63
181	Enhancement of ethanol gas sensing response based on ordered V2O5 nanowire microyarns. *Sensors and Actuators B: Chemical*, **2015**, 206, 284-290	8.5	62
180	Mo doped vanadium oxide nanotubes: microstructure and electrochemistry. *Chemical Physics Letters*, **2003**, 382, 307-312	2.5	61
179	Synthesis and gas sensing properties of Fe2O3 nanoparticles activated V2O5 nanotubes. *Sensors and Actuators B: Chemical*, **2010**, 145, 211-215	8.5	59
178	A microcube-based hybrid piezocomposite as a flexible energy generator. *RSC Advances*, **2017**, 7, 32502-32507	3.7	52
177	FTIR study of vanadium oxide nanotubes from lamellar structure. *Journal of Materials Science*, **2004**, 39, 2625-2627	4.3	51
176	Understanding the Electrochemical Formation and Decomposition of LiO and LiOH with X-ray Diffraction. *Chemistry of Materials*, **2017**, 29, 1577-1586	9.6	48
175	Hydrothermal synthesis of h-MoO3 microrods and their gas sensing properties to ethanol. *Applied Surface Science*, **2015**, 359, 114-119	6.7	48
174	Electromechanical Properties and Morphotropic Phase Boundary of Na0.5Bi0.5TiO3-K0.5Bi0.5TiO3-BaTiO3 Lead-free Piezoelectric Ceramics. *Journal of Electroceramics*, **2005**, 15, 229-235	1.5	44
173	Enhanced gas sensing properties of V2O5 nanowires decorated with SnO2 nanoparticles to ethanol at room temperature. *RSC Advances*, **2015**, 5, 41050-41058	3.7	43
172	Hydrothermal synthesis of porous TiO2 microspheres and their photocatalytic degradation of gaseous benzene. *Chemical Engineering Journal*, **2011**, 170, 53-58	14.7	43
171	A/B Site Modified CaTiO3 Dielectric Ceramics for Microwave Application. *Journal of the American Ceramic Society*, **2006**, 89, 1153-1155	3.8	43
170	A green synthesis route for the phase and size tunability of copper antimony sulfide nanocrystals with high yield. *Nanoscale*, **2016**, 8, 5146-52	7.7	42
169	Effect of the climate shift around mid 1970s on the relationship between wintertime Ural blocking circulation and East Asian climate. *International Journal of Climatology*, **2009**, 30, n/a-n/a	3.5	41

168	Electrical properties of poly(vinyl alcohol) (PVA) based on LiFePO4 complex polymer electrolyte films. *Journal of Polymer Research*, **2010**, 17, 143-150	2.7	41
167	Enhanced Photothermocatalytic Synergetic Activity Toward Gaseous Benzene for Mo+C-Codoped Titanate Nanobelts. *ACS Catalysis*, **2012**, 2, 2557-2565	13.1	39
166	The low-temperature (400 °C) coating of few-layer graphene on porous Li4Ti5O12viaC28H16Br2 pyrolysis for lithium-ion batteries. *RSC Advances*, **2012**, 2, 1751	3.7	39
165	Synthesis of Various Sized CuInS2 Quantum Dots and Their Photovoltaic Properties as Sensitizers for TiO2 Photoanodes. *European Journal of Inorganic Chemistry*, **2012**, 2012, 5239-5244	2.3	39
164	Synthesis of carbon nanotubes on pulse plated Ni nanocrystalline substrate in ethanol flames. *Carbon*, **2005**, 43, 2264-2271	10.4	37
163	Expansion behaviour of glass aggregates in different testing for alkali-silica reactivity. *Materials and Structures/Materiaux Et Constructions*, **2009**, 42, 485-494	3.4	35
162	Synthesis of vanadium pentoxide nanoneedles by physical vapour deposition and their highly sensitive behavior towards acetone at room temperature. *RSC Advances*, **2015**, 5, 23489-23497	3.7	34
161	Incorporation of the TiO2 nanowire arrays photoanode and Cu2S nanorod arrays counter electrode on the photovoltaic performance of quantum dot sensitized solar cells. *Electrochimica Acta*, **2014**, 135, 276-283	6.7	34
160	Enhancement of electrochemical properties of MoO3 nanobelts electrode using PEG as surfactant for lithium battery. *Journal of Solid State Electrochemistry*, **2010**, 14, 1769-1775	2.6	34
159	Fe2O3 Nanoparticle Seed Catalysts Enhance Cyclability on Deep (Dis)charge in Aprotic Li?O2 Batteries. *Advanced Energy Materials*, **2018**, 8, 1703513	21.8	33
158	Electrochemical performance of new □MoO3 nanobelt cathode materials for rechargeable Li-ion batteries. *Solid State Sciences*, **2014**, 34, 43-48	3.4	33
157	Synthesis and Field Emission Property of V2O5□nH2O Nanotube Arrays. *Journal of Physical Chemistry C*, **2007**, 111, 8202-8205	3.8	33
156	Dielectric and Piezoelectric Properties of Na0.5Bi0.5TiO3-K0.5Bi0.5TiO3-NaNbO3Lead-Free Ceramics. *Journal of Electroceramics*, **2005**, 14, 53-58	1.5	31
155	Size-Dependent Synthesis of Cu12Sb4S13 Nanocrystals with Bandgap Tunability. *Particle and Particle Systems Characterization*, **2015**, 32, 999-1005	3.1	30
154	Efficiency enhancement of CuInS2 quantum dot sensitized TiO2 photo-anodes for solar cell applications. *Chemical Physics Letters*, **2013**, 586, 85-90	2.5	29
153	Synthesis and characterization of □MoO3 nanobelt composite positive electrode materials for lithium battery application. *Materials Research Bulletin*, **2015**, 66, 140-146	5.1	29
152	Enhanced photocatalytic properties of TiO nanosheets@2D layered black phosphorus composite with high stability under hydro-oxygen environment. *Nanoscale*, **2019**, 11, 5674-5683	7.7	29
151	N-Doped carbon coated bismuth nanorods with a hollow structure as an anode for superior-performance potassium-ion batteries. *Nanoscale*, **2020**, 12, 4309-4313	7.7	28

150	Efficiency enhancement of TiO2 nanodendrite array electrodes in CuInS2 quantum dot sensitized solar cells. *Electrochimica Acta*, **2013**, 111, 755-761	6.7	28
149	Acidic Site-Assisted Ammonia Sensing of Novel CuSbS Quantum Dots/Reduced Graphene Oxide Composites with an Ultralow Detection Limit at Room Temperature. *ACS Applied Materials & Interfaces*, **2019**, 11, 9573-9582	9.5	28
148	Formation and photovoltaic performance of few-layered graphene-decorated TiO2 nanocrystals used in dye-sensitized solar cells. *Nanoscale*, **2014**, 6, 6755-62	7.7	27
147	Field Emission from V2O5·nH2O Nanorod Arrays. *Journal of Physical Chemistry C*, **2008**, 112, 2262-2265	3.8	27
146	Optical, electrical and discharge profiles for (PVC + NaIO4) polymer electrolytes. *Journal of Applied Electrochemistry*, **2006**, 36, 1051-1056	2.6	27
145	Interpenetrating network V2O5 nanosheets/carbon nanotubes nanocomposite for fast lithium storage. *RSC Advances*, **2014**, 4, 46624-46630	3.7	26
144	ZnSe passivation layer for the efficiency enhancement of CuInS2 quantum dots sensitized solar cells. *Journal of Alloys and Compounds*, **2014**, 587, 613-617	5.7	26
143	Ferroelectric memory based on nanostructures. *Nanoscale Research Letters*, **2012**, 7, 285	5	26
142	Fabrication and thermal properties of a new heat storage concrete material. *Journal Wuhan University of Technology, Materials Science Edition*, **2010**, 25, 628-630	1	26
141	Room temperature highly selective ethanol sensing behavior of hydrothermally prepared Te–V2O5 nanorod nanocomposites. *Materials Science in Semiconductor Processing*, **2015**, 31, 630-638	4.3	25
140	Enhanced light-harvesting of the conical TiO 2 nanotube arrays used as the photoanodes in flexible dye-sensitized solar cells. *Electrochimica Acta*, **2014**, 146, 838-844	6.7	25
139	Field emission properties of one-dimensional single CuO nanoneedle by in situ microscopy. *Journal of Materials Science*, **2010**, 45, 3791-3796	4.3	25
138	The mechanism for the enhanced piezoelectricity in multi-elements doped (K,Na)NbO ceramics. *Nature Communications*, **2021**, 12, 881	17.4	25
137	The effect of Mn/Nb doping on dielectric and ferroelectric properties of PZT thin films prepared by sol–gel process. *Journal of Sol-Gel Science and Technology*, **2015**, 74, 378-386	2.3	24
136	Self-assembly of Pt nanocrystals/one-dimensional titanate nanobelts heterojunctions and their great enhancement of photocatalytic activities. *CrystEngComm*, **2011**, 13, 5467	3.3	22
135	Synthesis of one-dimensional ZnO nanoneedles using thermal oxidation process in the air and its application as filed emitters. *Materials Letters*, **2008**, 62, 2783-2786	3.3	22
134	Highly selective ethanol sensing properties of hydrothermally synthesized cerium orthovanadate (CeVO4) nanorods. *Materials Letters*, **2015**, 154, 144-147	3.3	21
133	Growth kinetics and mechanisms of multinary copper-based metal sulfide nanocrystals. *Nanoscale*, **2017**, 9, 12470-12478	7.7	21

132	Mesoporous Carbon Nanofibers Embedded with MoS2 Nanocrystals for Extraordinary Li-Ion Storage. *Chemistry - A European Journal*, **2015**, 21, 18248-57	4.8	21
131	Fabrication of the protonated pentatitanate nanobelts sensitized with CuInS2 quantum dots for photovoltaic applications. *Chemical Engineering Journal*, **2014**, 244, 335-342	14.7	21
130	Enhanced visible photocatalytic activity of Cu2O nanocrystal/titanate nanobelt heterojunctions by a self-assembly process. *RSC Advances*, **2014**, 4, 24363-24368	3.7	20
129	Effects of cobalt and sintering temperature on electrical properties of Ba0.98Ca0.02Zr0.02Ti0.98O3 lead-free ceramics. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 3962-3966	2.1	20
128	Self-assembly of Au nanocrystal/titanate nanobelt heterojunctions and enhancement of the photocatalytic activity. *Catalysis Today*, **2013**, 208, 28-34	5.3	20
127	Enhanced ultra-stable n-propylamine sensing behavior of V2O5/In2O3 core□shell nanorods. *RSC Advances*, **2015**, 5, 54412-54419	3.7	20
126	High-Mobility Solution-Processed Amorphous Indium Zinc $hbox{Oxide/In}_{2}hbox{O}_{3}$ Nanocrystal Hybrid Thin-Film Transistor. *IEEE Electron Device Letters*, **2013**, 34, 72-74	4.4	20
125	Structure, electrical and optical properties of (PVA/LiAsF6) polymer composite electrolyte films. *Polymer Engineering and Science*, **2010**, 50, 878-884	2.3	20
124	Facile synthesis of hierarchical porous VOx@carbon composites for supercapacitors. *Journal of Colloid and Interface Science*, **2014**, 427, 73-9	9.3	19
123	Hematite nanochain networks: Simple synthesis, magnetic properties, and surface wettability. *Applied Physics Letters*, **2008**, 92, 093102	3.4	19
122	Synthesis and characterization of VO2/mesoporous carbon composites for hybrid capacitors. *Journal Wuhan University of Technology, Materials Science Edition*, **2010**, 25, 574-578	1	18
121	Synthesis of Bi2Fe4O9/reduced graphene oxide composite by one-step hydrothermal method and its high photocatalytic performance. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 4212-4218	2.1	17
120	Cu12Sb4S13 Quantum Dots with Ligand Exchange as Hole Transport Materials in All-Inorganic Perovskite CsPbI3 Quantum Dot Solar Cells. *ACS Applied Energy Materials*, **2020**, 3, 3521-3529	6.1	16
119	Size-dependent photoluminescence dynamics of CuInS 2 quantum dots and charge injection on titanium oxide film. *Journal of Alloys and Compounds*, **2016**, 658, 76-84	5.7	16
118	Recent advances in 0D nanostructure-functionalized low-dimensional nanomaterials for chemiresistive gas sensors. *Journal of Materials Chemistry C*, **2020**, 8, 7272-7299	7.1	15
117	Fabrication and Properties of VOx-Based Nanorods. *Journal of Physical Chemistry C*, **2008**, 112, 423-429	3.8	15
116	Tunability of photo-catalytic selectivity of B-doped anatase TiO2 microspheres in the visible light. *Dyes and Pigments*, **2018**, 156, 213-218	4.6	14
115	Metal cations doped vanadium oxide nanotubes: Synthesis, electronic structure, and gas sensing properties. *Sensors and Actuators B: Chemical*, **2018**, 256, 1021-1029	8.5	14

114	Microstructure and electrochemical properties of porous La2NiO4+□electrode screen-printed on Ce0.8Sm0.2O1.9 electrolyte. *Journal of Solid State Electrochemistry*, **2012**, 16, 9-16	2.6	14
113	Fe2(MoO4)3/Nanosilver Composite as a Cathode for Sodium-Ion Batteries. *ECS Electrochemistry Letters*, **2014**, 4, A29-A32		14
112	Structure and electrical properties of (Na0.5Bi0.5)1□ Ba x TiO3 ceramics made by a citrate method. *Journal of Electroceramics*, **2008**, 21, 617-620	1.5	14
111	Doped Bilayer Tin(IV) Oxide Electron Transport Layer for High Open-Circuit Voltage Planar Perovskite Solar Cells with Reduced Hysteresis. *Small*, **2021**, 17, e2005671	11	14
110	Fabrication of TiO2 nanotube arrays and their application in flexible dye-sensitized solar cells. *RSC Advances*, **2014**, 4, 45592-45597	3.7	13
109	Mn doped CdS passivated CuInSe2 quantum dot sensitized solar cells with remarkably enhanced photovoltaic efficiency. *RSC Advances*, **2017**, 7, 33106-33112	3.7	13
108	Kinetics of the thermal decomposition of Wangjiatan siderite. *Journal Wuhan University of Technology, Materials Science Edition*, **2011**, 26, 523-526	1	13
107	Hydrothermal synthesis of novel AlPO4-5 brooms and nano-fibers and their templated carbon structures. *CrystEngComm*, **2009**, 11, 739	3.3	13
106	Modulated Structure Assisted Growth and Properties of Fe3O4 Nanoneedle Films Using a Thermal Oxidation Process in the Air. *Journal of Physical Chemistry C*, **2008**, 112, 902-910	3.8	13
105	Electrochemical studies on PVC/PVdF blend-based polymer electrolytes. *Journal of Solid State Electrochemistry*, **2007**, 11, 543-548	2.6	13
104	Hydrogel Ionic Diodes toward Harvesting Ultralow-Frequency Mechanical Energy. *Advanced Materials*, **2021**, 33, e2103056	24	13
103	Effect of filler structure on the dielectric and thermal properties of SiO2/PTFE composites. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 9196-9202	2.1	12
102	ppb level ammonia detection of 3-D PbS quantum dots/reduced graphene oxide nanococoons at room temperature and Schottky barrier modulated behavior. *Sensors and Actuators B: Chemical*, **2018**, 255, 2979-2987	8.5	12
101	Surface reactions of CH3OH, NH3 and CO on ZnO nanorod arrays film: DFT investigation for gas sensing selectivity mechanism. *Applied Surface Science*, **2018**, 457, 975-980	6.7	12
100	Synthesis of (Na0.5Bi0.5)TiO3 and (Na0.5Bi0.5)0.92Ba0.08TiO3 powders by a citrate method. *Journal of Materials Science*, **2006**, 41, 6146-6149	4.3	12
99	Bandgap aligned Cu12Sb4S13 quantum dots as efficient inorganic hole transport materials in planar perovskite solar cells with enhanced stability. *Sustainable Energy and Fuels*, **2019**, 3, 831-840	5.8	11
98	Synthesis and Electrochemical Performance of Fe2(MoO4)3/Carbon Nanotubes Nanocomposite Cathode Material for Sodium-Ion Battery. *ECS Journal of Solid State Science and Technology*, **2015**, 4, M25-M29	2	11
97	Nanosensor-Based Flexible Electronic Assisted with Light Fidelity Communicating Technology for Volatolomics-Based Telemedicine. *ACS Nano*, **2020**, 14, 15517-15532	16.7	11

96	Influence of interface combination of reduced graphene oxide/P25 composites on their visible photocatalytic performance. *RSC Advances*, **2014**, 4, 43760-43765	3.7	11
95	Investigation on the Transformation of Absorbed Oxygen at ZnO {101 0} Surface Based on a Novel Thermal Pulse Method and Density Functional Theory Simulation. *ACS Sensors*, **2017**, 2, 1051-1059	9.2	11
94	Continuous-wave frequency upconversion with a molecular optomechanical nanocavity. *Science*, **2021**, 374, 1264-1267	33.3	11
93	Long wavelength optical absorption and photovoltaic performance enhancement on CuInS2 and PbS quantum dot co-sensitized solar cells. *Journal of Alloys and Compounds*, **2017**, 701, 131-137	5.7	10
92	Electrochemical Deposited Nanoflakes Co(OH)2 Porous Films for Electrochemical Capacitors. *Journal of the Chinese Chemical Society*, **2010**, 57, 423-428	1.5	10
91	Relaxor behavior and ferroelectric properties of Na0.5Bi0.5TiO3-K0.5Bi0.5TiO3-KNbO3 lead-free ceramics. *Journal of Materials Science*, **2005**, 40, 3625-3628	4.3	10
90	Influence of surface states of CuInS2 quantum dots in quantum dots sensitized photo-electrodes. *Applied Surface Science*, **2016**, 388, 437-443	6.7	9
89	Stabilization of Ferroelectric Order in Bi1/2(Na0.8K0.2)1/2TiO3 Lead-Free Ceramics with Fe Doping. *Journal of Electronic Materials*, **2017**, 46, 6167-6174	1.9	9
88	Effect of polyethylene glycol on vanadium oxide nanotubes in lithium-ion batteries. *Microelectronic Engineering*, **2014**, 127, 81-85	2.5	9
87	Preparation of MoO2 nanoparticles/rGO nanocomposites and their high electrochemical properties for lithium ion batteries. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 1740-1749	2.1	8
86	Effects of residual stress on the electrical properties in PbZr0.52Ti0.48O3 thin films. *Journal of Sol-Gel Science and Technology*, **2015**, 75, 551-556	2.3	8
85	Enhanced charge generation and transfer performance of the conical bamboo-like TiO2 nanotube arrays photo-electrodes in quantum dot sensitized solar cells. *Solar Energy*, **2020**, 205, 161-169	6.8	8
84	Photoelectrochemical behavior of TiO2 nanorod arrays decorated with CuInS2 quantum dots. *Applied Surface Science*, **2014**, 292, 514-519	6.7	8
83	Balance on the charge generation, separation and transfer performance of different TiO 2 nanostructures in quantum dot sensitized solar cells. *Materials Research Bulletin*, **2017**, 94, 463-471	5.1	8
82	The influence of PEO on the synthesis and electrochemical properties of VO2 and V3O7·hH2O nanobelts as a cathode for lithium battery. *Ionics*, **2012**, 18, 607-614	2.7	8
81	Diameter-controlling growth of solid-cored carbon nanofibers on a pulse plated iron nanocrystalline substrate in flames. *Materials Research Bulletin*, **2008**, 43, 3397-3407	5.1	8
80	Direct visualization of phase-matched efficient second harmonic and broadband sum frequency generation in hybrid plasmonic nanostructures. *Light: Science and Applications*, **2020**, 9, 180	16.7	8
79	Enhancement of photocatalytic CO2 reduction for novel Cd0.2Zn0.8S@Ti3C2 (MXenes) nanocomposites. *Journal of CO2 Utilization*, **2021**, 47, 101501	7.6	8

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77	Tunable Electrical Properties in High-Valent Transition-Metal-Doped ZnO Thin-Film Transistors. *IEEE Electron Device Letters*, **2014**, 35, 759-761	4.4	7
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75	Synthesis and photocatalytic property of V2O5@TiO2 core-shell microspheres towards gaseous benzene. *Catalysis Today*, **2019**, 321-322, 164-171	5.3	7
74	Strong plasmon-exciton coupling in transition metal dichalcogenides and plasmonic nanostructures. *Nanoscale*, **2021**, 13, 4408-4419	7.7	7
73	Effect of tensile strain on the electrical resistivity of silver-coated fly ash cenospheres/silicone-rubber composites. *Polymer Bulletin*, **2011**, 66, 955-963	2.4	6
72	Structure and mixed electronic-ionic conducting properties of La0.6Sr0.4Co1− Fe y O3(y=0□1.0) ceramics made by a citrate method. *Journal Wuhan University of Technology, Materials Science Edition*, **2008**, 23, 80-84	1	6
71	Novel solid-cored carbon nanofiber grown on steels substrates in ethanol flames. *Journal of Materials Science*, **2005**, 40, 1293-1295	4.3	6
70	Composition-insensitive enhanced piezoelectric properties in SrZrO3 modified (K, Na)NbO3-based lead-free ceramics. *Journal of Electroceramics*, **2020**, 44, 95-103	1.5	6
69	Berlin Green Framework-Based Gas Sensor for Room-Temperature and High-Selectivity Detection of Ammonia. *Nano-Micro Letters*, **2021**, 13, 63	19.5	6
68	Aqueous Solution□el Preparation and Dielectric Properties of Ba(Mg1/3Nb2/3)O3 Thin Films with Long-Range Order. *Journal of the American Ceramic Society*, **2015**, 98, 873-878	3.8	5
67	Sodium vanadate nanoflowers/rGO composite as a high-rate cathode material for sodium-ion batteries. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 7032-7039	2.1	5
66	3D microstructures with MoO2 nanocrystallines embedded into interpenetrated carbon nanosheets for lithium ion batteries. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 11521-11528	2.1	5
65	Single sub-microwire solar cells based on the CdS-Cu 2 S and CdS-ZnS core-shell heterostructures. *Progress in Natural Science: Materials International*, **2017**, 27, 182-185	3.6	5
64	CuInS2/Mn-CdS quantum dot co-sensitized flexible solar cells based on single fibrous TiO2 nanowire arrays. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 2016-2024	2.1	5
63	Fabrication of ordered mesoporous carbon film supporting vanadium oxides for electrochemical supercapacitor. *Functional Materials Letters*, **2015**, 08, 1550016	1.2	5
62	Boosting the Electrochemical Performance of LiNiCoMnO by Rough Coating with the Superionic Conductor LiLaZrO. *ACS Applied Materials & Interfaces*, **2021**, 13, 54916-54923	9.5	5
61	Electrical and solid-state battery performance of a new PVC/PEO + KBr blend-based polymer electrolyte system. *Ionics*, **2015**, 21, 1587-1594	2.7	4

60	Preparation and UV–Vis photodegradation of gaseous benzene by TiO2 nanotube arrays supporting V2O5 nanoparticles. *Functional Materials Letters*, **2015**, 08, 1550071	1.2	4
59	Morphologies controllable synthesis of MoS2 by hot-injection method: from quantum dots to nanosheets. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 13633-13637	2.1	4
58	Improving on the interparticle connection for performance enhancement of flexible quantum dot sensitized solar cells. *Materials Research Bulletin*, **2018**, 105, 91-97	5.1	4
57	Carbon nanotube-induced formation of vanadium oxide nanorods and nanotubes. *Journal of Materials Research*, **2013**, 28, 627-634	2.5	4
56	Effects of Ba(Mg1/3Ta2/3)O3 buffer layer on the fatigue behavior in Pb(Zr0.52Ti0.48)O3 thin films. *Journal of Sol-Gel Science and Technology*, **2015**, 74, 234-239	2.3	4
55	Structure, electrical conducting and thermal expansion properties of Ln0.6Sr0.4Co0.8Fe0.2O3 (Ln=La, Pr, Nd, Sm) ceramics. *Journal Wuhan University of Technology, Materials Science Edition*, **2008**, 23, 386-390	1	4
54	Synthesis, structure and electrochemical performance of nano-sized LiNi0.5Co0.5VO4. *Journal of Materials Science Letters*, **2003**, 22, 1035-1037		4
53	Remote Dual-Cavity Enhanced Second Harmonic Generation in a Hybrid Plasmonic Waveguide.. *Nano Letters*, **2022**,	11.5	4
52	High ammonia sensitive ability of novel Cu12Sb4S13 quantum dots@reduced graphene oxide nanosheet composites at room temperature. *Chinese Chemical Letters*, **2020**, 31, 2109-2114	8.1	4
51	Enhanced output performance of flexible piezoelectric energy harvester by using auxetic graphene films as electrodes. *Applied Physics Letters*, **2020**, 117, 103901	3.4	4
50	CsPbI3 Perovskite Quantum Dot Solar Cells with Both High Efficiency and Phase Stability Enabled by Br Doping. *ACS Applied Energy Materials*, **2021**, 4, 6688-6696	6.1	4
49	Square cross-section piezoelectric fiber composites: structure and ferroelectric properties. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 3033-3038	2.1	4
48	Efficient Photocatalytic CO2 Reduction by the Construction of Ti3C2/CsPbBr3 QD Composites. *ACS Applied Energy Materials*, **2021**, 4, 9154-9165	6.1	4
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