Yueli Liu

List of Publications by Year in Descending Order

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	Remote Dual-Cavity Enhanced Second Harmonic Generation in a Hybrid Plasmonic Waveguide.. *Nano Letters*, **2022**,	11.5	4
202	Improved open-circuit voltage of CsPbI3 quantum dot solar cells by PMMA interlayer. *Journal of Alloys and Compounds*, **2022**, 891, 161985	5.7	1
201	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
200	Continuous-wave frequency upconversion with a molecular optomechanical nanocavity. *Science*, **2021**, 374, 1264-1267	33.3	11
199	Size-controlled resistive switching performance and regulation mechanism of SnO2 QDs. *Wuli Xuebao/Acta Physica Sinica*, **2021**, 70, 197301	0.6	0
198	Thermally induced transitions and depolarization of Fe2O3 doped PMnS-PZN-PZT piezoelectric ceramics. *Applied Physics A: Materials Science and Processing*, **2021**, 127, 1	2.6	1
197	Significant SRS sensing behavior of hydrothermally silver decorated sandwiched-like vanadia (AgV2O5) nanosheets toward ethanol. *Applied Physics A: Materials Science and Processing*, **2021**, 127, 1	2.6	1
196	Enhancement of photocatalytic CO2 reduction for novel Cd0.2Zn0.8S@Ti3C2 (MXenes) nanocomposites. *Journal of CO2 Utilization*, **2021**, 47, 101501	7.6	8
195	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
194	Polymer Tape Assisted Ball-Milling Method Fabrication Few-Atomic-Layered Bismuth for Improving K+/Na+ Storage. *Energy and Environmental Materials*, **2021**, 4, 421-427	13	3
193	Berlin Green Framework-Based Gas Sensor for Room-Temperature and High-Selectivity Detection of Ammonia. *Nano-Micro Letters*, **2021**, 13, 63	19.5	6
192	Controlling the immobilization process of an optically enhanced protein microarray for highly reproducible immunoassay. *Nanoscale*, **2021**, 13, 4269-4277	7.7	1
191	Perovskite Solar Cells: Doped Bilayer Tin(IV) Oxide Electron Transport Layer for High Open-Circuit Voltage Planar Perovskite Solar Cells with Reduced Hysteresis (Small 5/2021). *Small*, **2021**, 17, 2170020	11	0
190	The mechanism for the enhanced piezoelectricity in multi-elements doped (K,Na)NbO ceramics. *Nature Communications*, **2021**, 12, 881	17.4	25
189	Hydrogel Ionic Diodes toward Harvesting Ultralow-Frequency Mechanical Energy. *Advanced Materials*, **2021**, 33, e2103056	24	13
188	A Three-Dimensional Surface Layer and a Composite Aphroid Layer Constructed by a Facile Rolling Method for High-Performance Li Metal Anodes. *ACS Applied Energy Materials*, **2021**, 4, 8108-8116	6.1	3
187	Efficient Photocatalytic CO2 Reduction by the Construction of Ti3C2/CsPbBr3 QD Composites. *ACS Applied Energy Materials*, **2021**, 4, 9154-9165	6.1	4

186	Cs2AgInCl6 double perovskite quantum dots decorated with Ag nanoparticles for photocatalytic CO2 reduction. *Sustainable Energy and Fuels*, **2021**, 5, 3598-3605	5.8	2
185	Strong plasmon-exciton coupling in transition metal dichalcogenides and plasmonic nanostructures. *Nanoscale*, **2021**, 13, 4408-4419	7.7	7
184	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
183	Nanosensor-Based Flexible Electronic Assisted with Light Fidelity Communicating Technology for Volatolomics-Based Telemedicine. *ACS Nano*, **2020**, 14, 15517-15532	16.7	11
182	Effect of Ba(Mg1/3Nb2/3)O3 buffer layer on electrical properties of PZT-based films. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 9928-9936	2.1	3
181	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
180	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
179	High-field nonlinear properties and characteristics of domain wall motion in Fe2O3 doped PMnS-PZN-PZT ceramics. *Ferroelectrics*, **2020**, 560, 110-122	0.6	2
178	Low-cost lignite-derived hard carbon for high-performance sodium-ion storage. *Journal of Materials Science*, **2020**, 55, 5994-6004	4.3	2
177	Enhanced current density of anatase TiO2 nanowire arrays by interface connection modulation in flexible quantum dot sensitized solar cells. *Journal of Alloys and Compounds*, **2020**, 827, 154261	5.7	1
176	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
175	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
174	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
173	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
172	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
171	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
170	Interface connection modulation by heating treatment for photovoltaic performance enhancement on CuInS2 quantum dot sensitized solar cells. *Journal of Alloys and Compounds*, **2020**, 817, 153351	5.7	3
169	Resistive-switching tunability with size-dependent all-inorganic zero-dimensional tetrahedrite quantum dots. *Science China Materials*, **2020**, 63, 2497-2508	7.1	3

168	Three-Dimensional Hierarchical Framework Loaded with Lithiophilic Nanorod Arrays for High-Performance Lithium-Metal Anodes. *ChemElectroChem*, **2020**, 7, 4201-4207	4.3	2
167	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
166	Enhanced output performance of flexible piezoelectric energy harvester by using auxetic graphene films as electrodes. *Applied Physics Letters*, **2020**, 117, 103901	3.4	4
165	Ordered mesoporous carbon-supported mono-dispersed Co and Ru□o catalysts for low-temperature CO2 methanation. *Functional Materials Letters*, **2020**, 13, 2051019	1.2	1
164	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
163	Short-Chain Ligand-Passivated Stable □CsPbI3 Quantum Dot for All-Inorganic Perovskite Solar Cells. *Advanced Functional Materials*, **2019**, 29, 1900991	15.6	149
162	Electric field-temperature phase diagram of Bi1/2(Na0.8K0.2)1/2TiO3 relaxor ferroelectrics with Fe doping. *Journal of Applied Physics*, **2019**, 126, 064102	2.5	2
161	Diffuse phase transition in Nb-doped BaTi2O5 thin films. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 14424-14429	2.1	0
160	Study on the interface coupling effect in PbZr0.52Ti0.48O3/Ba(Mg1/3Ta2/3)O3 thin films. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 14490-14494	2.1	
159	Three-dimensional hollow reduced graphene oxide spheres with a hierarchically porous structure for high-performance lithium□ulfur batteries. *Inorganic Chemistry Frontiers*, **2019**, 6, 2528-2538	6.8	3
158	Ag-functionalized exfoliated V2O5 nanosheets: a flexible and binder-free cathode for lithium-ion batteries. *Journal of Materials Science*, **2019**, 54, 12713-12722	4.3	7
157	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
156	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
155	TiO/graphene/CuSbS mixed-dimensional array with high-performance photoelectrochemical properties.. *RSC Advances*, **2019**, 9, 33747-33754	3.7	3
154	Synthesis and photocatalytic property of V2O5@TiO2 core-shell microspheres towards gaseous benzene. *Catalysis Today*, **2019**, 321-322, 164-171	5.3	7
153	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
152	Probing of sub-picometer vertical differential resolutions using cavity plasmons. *Nature Communications*, **2018**, 9, 801	17.4	63
151	From 2-D Nanocrystalline Films to 1-D Nanomaterials: An Overview. *MRS Advances*, **2018**, 3, 803-816	0.7	

150	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
149	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
148	Fe2O3 Nanoparticle Seed Catalysts Enhance Cyclability on Deep (Dis)charge in Aprotic Li?O2 Batteries. *Advanced Energy Materials*, **2018**, 8, 1703513	21.8	33
147	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
146	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
145	Flexible Quantum Dot Sensitized Solar Cells **2018**, 339-382		1
144	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
143	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
142	Probing the limits of plasmonic enhancement using a two-dimensional atomic crystal probe. *Light: Science and Applications*, **2018**, 7, 56	16.7	66
141	Bioinspired elastic piezoelectric composites for high-performance mechanical energy harvesting. *Journal of Materials Chemistry A*, **2018**, 6, 14546-14552	13	65
140	Understanding the Electrochemical Formation and Decomposition of LiO and LiOH with X-ray Diffraction. *Chemistry of Materials*, **2017**, 29, 1577-1586	9.6	48
139	NASICON-Structured Materials for Energy Storage. *Advanced Materials*, **2017**, 29, 1601925	24	264
138	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
137	Charge generation and transfer performance enhancement of size-balanced CuInS2 quantum dots sensitized solar cells. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 12741-12746	2.1	3
136	Performance enhancement of quantum dot sensitized solar cells under TiO2 nanotube arrays membranes optimization. *Electronic Materials Letters*, **2017**, 13, 359-367	2.9	2
135	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
134	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
133	Synthesis of vanadia nanorod arrays and their novel applications as alco-sensors. *Sensors and Actuators A: Physical*, **2017**, 264, 18-29	3.9	3

132	Growth kinetics and mechanisms of multinary copper-based metal sulfide nanocrystals. *Nanoscale*, **2017**, 9, 12470-12478	7.7	21
131	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
130	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
129	A microcube-based hybrid piezocomposite as a flexible energy generator. *RSC Advances*, **2017**, 7, 32502-32507	3.7	52
128	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
127	Mn doped CdS passivated CuInSe2 quantum dot sensitized solar cells with remarkably enhanced photovoltaic efficiency. *RSC Advances*, **2017**, 7, 33106-33112	3.7	13
126	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
125	The dielectric properties and dielectric mechanism of perovskite ceramic CLST/PTFE composites. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 11665-11670	2.1	3
124	Ca(Mg1/3Ta2/3)O3 dielectric thin films: preparation, structure, mechanical and dielectric properties. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 9391-9397	2.1	1
123	Carbon Nanomaterials in Flames: from 0-D to 1-D and 2-D. *MRS Advances*, **2016**, 1, 1313-1325	0.7	1
122	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
121	Improved Electrical Properties of Low-Temperature Sintered Cu Doped Ba0.99Ca0.01Zr0.02Ti0.98O3 Ceramics. *Journal of Electronic Materials*, **2016**, 45, 5006-5016	1.9	3
120	High sensitivity and good selectivity of ultralong MoO3 nanobelts for trimethylamine gas. *Sensors and Actuators B: Chemical*, **2016**, 226, 478-485	8.5	175
119	Influence of surface states of CuInS2 quantum dots in quantum dots sensitized photo-electrodes. *Applied Surface Science*, **2016**, 388, 437-443	6.7	9
118	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
117	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
116	Square cross-section piezoelectric fiber composites: structure and ferroelectric properties. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 3033-3038	2.1	4
115	Room temperature highly selective ethanol sensing behavior of hydrothermally prepared Te^{IV}2O5 nanorod nanocomposites. *Materials Science in Semiconductor Processing*, **2015**, 31, 630-638	4.3	25

114	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
113	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
112	Highly selective ethanol sensing properties of hydrothermally synthesized cerium orthovanadate (CeVO4) nanorods. *Materials Letters*, **2015**, 154, 144-147	3.3	21
111	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
110	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
109	Hydrothermal synthesis of h-MoO3 microrods and their gas sensing properties to ethanol. *Applied Surface Science*, **2015**, 359, 114-119	6.7	48
108	Preparation and UV–Vis photodegradation of gaseous benzene by TiO2 nanotube arrays supporting V2O5 nanoparticles. *Functional Materials Letters*, **2015**, 08, 1550071	1.2	4
107	The effect of stacking sequence and thickness on the structure and microwave dielectric properties of heterogenous Ca(Mg1/3Ta2/3)O3/CaTiO3 thin films. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 7361-7366	2.1	1
106	Aqueous Solution–Gel 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
105	Enhancement of ethanol gas sensing response based on ordered V2O5 nanowire microyarns. *Sensors and Actuators B: Chemical*, **2015**, 206, 284-290	8.5	62
104	Mesoporous Carbon Nanofibers Embedded with MoS2 Nanocrystals for Extraordinary Li-Ion Storage. *Chemistry - A European Journal*, **2015**, 21, 18248-57	4.8	21
103	Size-Dependent Synthesis of Cu12Sb4S13 Nanocrystals with Bandgap Tunability. *Particle and Particle Systems Characterization*, **2015**, 32, 999-1005	3.1	30
102	Enhanced ultra-stable n-propylamine sensing behavior of V2O5/In2O3 core–shell nanorods. *RSC Advances*, **2015**, 5, 54412-54419	3.7	20
101	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
100	Modification of the structure and electrical properties of Ba0.95Ca0.05Zr0.1Ti0.9O3 ceramics by the doping of Mn ions. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 10034-10043	2.1	3
99	Fabrication of ordered mesoporous carbon film supporting vanadium oxides for electrochemical supercapacitor. *Functional Materials Letters*, **2015**, 08, 1550016	1.2	5
98	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
97	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

96	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
95	Synthesis and characterization of β-MoO3 nanobelt composite positive electrode materials for lithium battery application. *Materials Research Bulletin*, **2015**, 66, 140-146	5.1	29
94	Enhanced visible photocatalytic activity of Cu2O nanocrystal/titanate nanobelt heterojunctions by a self-assembly process. *RSC Advances*, **2014**, 4, 24363-24368	3.7	20
93	Tunable Electrical Properties in High-Valent Transition-Metal-Doped ZnO Thin-Film Transistors. *IEEE Electron Device Letters*, **2014**, 35, 759-761	4.4	7
92	Influence of interface combination of reduced graphene oxide/P25 composites on their visible photocatalytic performance. *RSC Advances*, **2014**, 4, 43760-43765	3.7	11
91	Fabrication of TiO2 nanotube arrays and their application in flexible dye-sensitized solar cells. *RSC Advances*, **2014**, 4, 45592-45597	3.7	13
90	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
89	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
88	Interpenetrating network V2O5 nanosheets/carbon nanotubes nanocomposite for fast lithium storage. *RSC Advances*, **2014**, 4, 46624-46630	3.7	26
87	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
86	Facile synthesis of hierarchical porous VOx@carbon composites for supercapacitors. *Journal of Colloid and Interface Science*, **2014**, 427, 73-9	9.3	19
85	Photoelectrochemical behavior of TiO2 nanorod arrays decorated with CuInS2 quantum dots. *Applied Surface Science*, **2014**, 292, 514-519	6.7	8
84	Electrochemical performance of new β-MoO3 nanobelt cathode materials for rechargeable Li-ion batteries. *Solid State Sciences*, **2014**, 34, 43-48	3.4	33
83	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
82	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
81	Fe2(MoO4)3/Nanosilver Composite as a Cathode for Sodium-Ion Batteries. *ECS Electrochemistry Letters*, **2014**, 4, A29-A32		14
80	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
79	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

78	Fabrication of the protonated pentatitanate nanobelts sensitized with CuInS2 quantum dots for photovoltaic applications. *Chemical Engineering Journal*, **2014**, 244, 335-342	14.7	21
77	Effect of polyethylene glycol on vanadium oxide nanotubes in lithium-ion batteries. *Microelectronic Engineering*, **2014**, 127, 81-85	2.5	9
76	Atomic Structure and Kinetics of NASICON NaxV2(PO4)3 Cathode for Sodium-Ion Batteries. *Advanced Functional Materials*, **2014**, 24, 4265-4272	15.6	245
75	Efficiency enhancement of TiO2 nanodendrite array electrodes in CuInS2 quantum dot sensitized solar cells. *Electrochimica Acta*, **2013**, 111, 755-761	6.7	28
74	Carbon nanotube-induced formation of vanadium oxide nanorods and nanotubes. *Journal of Materials Research*, **2013**, 28, 627-634	2.5	4
73	Self-assembly of Au nanocrystal/titanate nanobelt heterojunctions and enhancement of the photocatalytic activity. *Catalysis Today*, **2013**, 208, 28-34	5.3	20
72	Efficiency enhancement of CuInS2 quantum dot sensitized TiO2 photo-anodes for solar cell applications. *Chemical Physics Letters*, **2013**, 586, 85-90	2.5	29
71	Polypyrrole-coated paper for flexible solid-state energy storage. *Energy and Environmental Science*, **2013**, 6, 470	35.4	517
70	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
69	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
68	Sodium-Ion Batteries: Superior Electrochemical Performance and Storage Mechanism of Na3V2(PO4)3 Cathode for Room-Temperature Sodium-Ion Batteries (Adv. Energy Mater. 2/2013). *Advanced Energy Materials*, **2013**, 3, 138-138	21.8	3
67	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
66	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
65	Enhanced Photothermocatalytic Synergetic Activity Toward Gaseous Benzene for Mo+C-Codoped Titanate Nanobelts. *ACS Catalysis*, **2012**, 2, 2557-2565	13.1	39
64	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
63	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
62	Ferroelectric memory based on nanostructures. *Nanoscale Research Letters*, **2012**, 7, 285	5	26
61	Investigation on Dynamic Mechanical Properties of Crosslinked Poly(styrene-co-divinylbenzene) Bulk Copolymers: Effect of Divinylbenzene Content. *Polymers and Polymer Composites*, **2012**, 20, 83-88	0.8	1

60	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
59	Atomic-scale investigation on lithium storage mechanism in TiNb2O7,. *Energy and Environmental Science*, **2011**, 4, 2638	35.4	205
58	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
57	Highly efficient photocatalytic activity of boron-doped TiO2 for gas phase degradation of benzene. *Rare Metals*, **2011**, 30, 243-248	5.5	7
56	Kinetics of the thermal decomposition of Wangjiatan siderite. *Journal Wuhan University of Technology, Materials Science Edition*, **2011**, 26, 523-526	1	13
55	Hydrothermal synthesis of porous TiO2 microspheres and their photocatalytic degradation of gaseous benzene. *Chemical Engineering Journal*, **2011**, 170, 53-58	14.7	43
54	Self-assembly of Pt nanocrystals/one-dimensional titanate nanobelts heterojunctions and their great enhancement of photocatalytic activities. *CrystEngComm*, **2011**, 13, 5467	3.3	22
53	Growth of molybdate nanorods through an intermediate sustained release process. *CrystEngComm*, **2011**, 13, 1755	3.3	3
52	Controlled Growth of 1-D Nanomaterials Base on Electro-Deposited Nanocrystalline Films: A Overview. *Materials Science Forum*, **2010**, 654-656, 1126-1129	0.4	1
51	Electrochemical Deposited Nanoflakes Co(OH)2 Porous Films for Electrochemical Capacitors. *Journal of the Chinese Chemical Society*, **2010**, 57, 423-428	1.5	10
50	MESOPOROUS CARBON ELECTRODE: SYNTHESIS, CHARACTERIZATION AND ELECTROCHEMICAL PROPERTIES. *Functional Materials Letters*, **2010**, 03, 161-164	1.2	2
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