

# Rui Chen

## List of Publications by Year in Descending Order

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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.

245  
papers

6,853  
citations

48  
h-index

71  
g-index

262  
ext. papers

7,997  
ext. citations

7.1  
avg. IF

6.06  
L-index

#	Paper	IF	Citations
245	Advances in single crystals and thin films of chiral hybrid metal halides. <i>Progress in Quantum Electronics</i> , <b>2022</b> , 100375	9.1	2
244	Magnetic Domain Confined Printing of Programmable Organic Microcrystal Assemblies for Information Encryption.. <i>Advanced Materials</i> , <b>2022</b> , e2108279	24	3
243	Oxalate Pushes Efficiency of CsPb Sn IBr Based All-Inorganic Perovskite Solar Cells to over 14.. <i>Advanced Science</i> , <b>2022</b> , e2106054	13.6	9
242	High-Performance Blue Quasi-2D Perovskite Light-Emitting Diodes via Balanced Carrier Confinement and Transfer.. <i>Nano-Micro Letters</i> , <b>2022</b> , 14, 66	19.5	7
241	In Situ Growth Mechanism for High-Quality Hybrid Perovskite Single-Crystal Thin Films with High Area to Thickness Ratio: Looking for the Sweet Spot.. <i>Advanced Science</i> , <b>2022</b> , e2104788	13.6	2
240	Spin-Enhanced Reverse Intersystem Crossing and Electroluminescence in Copper Acetate-Doped Thermally Activated Delayed Fluorescence Material.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 2516-2522	6.4	0
239	Endowing inorganic nanomaterials with circularly polarized luminescence. <i>Aggregate</i> , <b>2022</b> , 3,	22.9	3
238	Quasi-Type II Core-Shell Perovskite Nanocrystals for Improved Structural Stability and Optical Gain. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 58170-58178	9.5	0
237	Controlled Synthesis of Pure-Phase GaAs Nanowires through Shear Tension. <i>ACS Photonics</i> , <b>2021</b> , 8, 2886-2897	13.3	0
236	Efficient Inverted Perovskite Solar Cells Enabled by Dopant-Free Hole-Transporting Materials Based on Dibenzofulvene-Bridged Indacenodithiophene Core Attaching Varying Alkyl Chains. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 13254-13263	9.5	5
235	Low-Threshold Amplified Spontaneous Emission in Blue Quantum Dots Enabled by Effectively Suppressing Auger Recombination. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100068	8.1	4
234	Tuning an Electrode Work Function Using Organometallic Complexes in Inverted Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 7759-7768	16.4	32
233	Thermally Assisted Rashba Splitting and Circular Photogalvanic Effect in Aqueously Synthesized 2D Dion-Jacobson Perovskite Crystals. <i>Nano Letters</i> , <b>2021</b> , 21, 4584-4591	11.5	7
232	Encapsulated Perovskites: Self-Structural Healing of Encapsulated Perovskite Microcrystals for Improved Optical and Thermal Stability (Adv. Mater. 21/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170161	24	1
231	Effective magnetic Hamiltonian at finite temperatures for rare-earth chalcogenides. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	3
230	Recent progress on two-dimensional layered materials for surface enhanced Raman spectroscopy and their applications. <i>Materials Today Physics</i> , <b>2021</b> , 18, 100378	8	10
229	All-Inorganic Quantum-Dot LEDs Based on a Phase-Stabilized $\text{CsPbI}_3$ Perovskite. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 16300-16306	3.6	1

228	All-Inorganic Quantum-Dot LEDs Based on a Phase-Stabilized $\text{FAPbI}_3$ Perovskite. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16164-16170	16.4	59
227	High-Performance Blue Perovskite Light-Emitting Diodes Enabled by Efficient Energy Transfer between Coupled Quasi-2D Perovskite Layers. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005570	24	74
226	Metamagnetic transitions and magnetoelectricity in the spin-1 honeycomb antiferromagnet $\text{Ni}_2\text{Mo}_3\text{O}_8$ . <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
225	Perovskite Light-Emitting Diodes: High-Performance Blue Perovskite Light-Emitting Diodes Enabled by Efficient Energy Transfer between Coupled Quasi-2D Perovskite Layers (Adv. Mater. 1/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170006	24	4
224	Metal-to-ligand charge transfer chirality-based sensing of mercury ions. <i>Photonics Research</i> , <b>2021</b> , 9, 213	6	0
223	Large Nonlinear Optical Activity of a Near-infrared-absorbing Bithiophene-based Polymer with a Head-to-head Linkage. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 309-314	4.5	2
222	Self-Structural Healing of Encapsulated Perovskite Microcrystals for Improved Optical and Thermal Stability. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100466	24	11
221	Geometry-Programmable Perovskite Microlaser Patterns for Two-Dimensional Optical Encryption. <i>Nano Letters</i> , <b>2021</b> , 21, 6792-6799	11.5	9
220	Ternary $\text{FePSe}_3$ Atomic Layers with Competitive Temperature Coefficient of Resistance for Uncooled Infrared Bolometers. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100491	4.6	2
219	Emission characteristics variation of $\text{GaAsSb}/\text{AlGaAs}$ strained multiple quantum wells caused by rapid thermal annealing. <i>Scientific Reports</i> , <b>2021</b> , 11, 676	4.9	
218	Multiphoton absorption in low-dimensional cesium copper iodide single crystals. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 16923-16929	7.1	12
217	Strong bandfilling induced significant excited state absorption in $\text{MAPbI}_3$ under high pump power. <i>Materials Today Physics</i> , <b>2020</b> , 14, 100228	8	6
216	Surface modification of all-inorganic halide perovskite nanorods by a microscale hydrophobic zeolite for stable and sensitive laser humidity sensing. <i>Nanoscale</i> , <b>2020</b> , 12, 13360-13367	7.7	9
215	Effective Surface Ligand-Concentration Tuning of Deep-Blue Luminescent $\text{FAPbBr}_3$ Nanoplatelets with Enhanced Stability and Charge Transport. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31863-31874	9.5	18
214	Optical properties of ultrathin $\text{ZnO}$ films fabricated by atomic layer deposition. <i>Applied Surface Science</i> , <b>2020</b> , 527, 146818	6.7	9
213	Boosting Efficiency and Stability of Planar Inverted $(\text{FAPbI}_3)_x(\text{MAPbBr}_3)_{1-x}$ Solar Cells via $\text{FAPbI}_3$ and $\text{MAPbBr}_3$ Crystal Powders. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000091	7.1	12
212	Tailoring the Surface Morphology and Phase Distribution for Efficient Perovskite Electroluminescence. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 5877-5882	6.4	7
211	The strain, energy band and photoluminescence of $\text{GaAs}_{0.92}\text{Sb}_{0.08}/\text{Al}_{0.3}\text{Ga}_{0.7}\text{As}$ multiple quantum wells grown on $\text{GaAs}$ substrate. <i>Solid State Communications</i> , <b>2020</b> , 309, 113837	1.6	5

210	Graphene-Based Antibacterial Films with Enhanced Mechanical Properties. <i>Integrated Ferroelectrics</i> , <b>2020</b> , 206, 79-86	0.8	2
209	Sunlight-Triggered Dye Degradation and Antibacterial Activity of Graphene-Iron Oxide-Titanium Dioxide Heterostructure Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2020</b> , 20, 4158-4162	1.3	5
208	In Situ Growth of All-Inorganic Perovskite Single Crystal Arrays on Electron Transport Layer. <i>Advanced Science</i> , <b>2020</b> , 7, 1902767	13.6	10
207	Influence of mixed organic cations on the nonlinear optical properties of lead tri-iodide perovskites. <i>Photonics Research</i> , <b>2020</b> , 8, A25	6	5
206	Linear and nonlinear photophysical properties of ZnSe/CdS/ZnS core/shell/shell type II nanocrystals. <i>Photonics Research</i> , <b>2020</b> , 8, 1416	6	0
205	Observation of energy transfer at optical frequency to an ultrathin silicon waveguide. <i>Optics Letters</i> , <b>2020</b> , 45, 4618-4621	3	1
204	Growth of GaN on monolayer hexagonal boron nitride by chemical vapor deposition for ultraviolet photodetectors. <i>Semiconductor Science and Technology</i> , <b>2020</b> , 35, 125025	1.8	5
203	Zn doped MAPbBr single crystal with advanced structural and optical stability achieved by strain compensation. <i>Nanoscale</i> , <b>2020</b> , 12, 3692-3700	7.7	12
202	Stabilizing n-type hetero-junctions for NiOx based inverted planar perovskite solar cells with an efficiency of 21.6%. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 1865-1874	13	27
201	Plasmonically Enhanced Upconversion Luminescence via Holographically Formed Silver Nanogratings. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 1292-1298	9.5	7
200	Simultaneous Low-Order Phase Suppression and Defect Passivation for Efficient and Stable Blue Light-Emitting Diodes. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 2569-2579	20.1	49
199	All-inorganic copper(i)-based ternary metal halides: promising materials toward optoelectronics. <i>Nanoscale</i> , <b>2020</b> , 12, 15560-15576	7.7	33
198	Two-stage metal ion sensing by through-space and through-bond charge transfer. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 14028-14036	7.1	3
197	Photophysical Properties of Zn-Alloyed CsPbI <sub>3</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 27169-27175	3.8	6
196	Boosting the Efficiency of NiO-Based Perovskite Light-Emitting Diodes by Interface Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 53528-53536	9.5	9
195	Temperature dependent optical characteristics of all-inorganic CsPbBr <sub>3</sub> nanocrystals film. <i>Materials Today Physics</i> , <b>2020</b> , 15, 100259	8	12
194	Chiral Transition Metal Oxides: Synthesis, Chiral Origins, and Perspectives. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905585	24	15
193	Structural phase transitions and photoluminescence mechanism in a layer of 3D hybrid perovskite nanocrystals. <i>AIP Advances</i> , <b>2020</b> , 10, 065028	1.5	7

192	Interlayer Transition in a vdW Heterostructure toward Ultrahigh Detectivity Shortwave Infrared Photodetectors. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1905687	15.6	28
191	Optical properties and applications of two-dimensional CdSe nanoplatelets. <i>Information Materials</i> , <b>2020</b> , 2, 905-927	23.1	26
190	Optical property and lasing of GaAs-based nanowires. <i>Science China Materials</i> , <b>2020</b> , 63, 1364-1381	7.1	7
189	Successive electric-polarization switches in the S=1/2 skew chain Co <sub>2</sub> V <sub>2</sub> O <sub>7</sub> induced by a high magnetic field. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	2
188	Dual Fenton Catalytic Nanoreactor for Integrative Type-I and Type-II Photodynamic Therapy Against Hypoxic Cancer Cells.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 3854-3860	4.1	21
187	Absence of ferroelectricity in double-perovskite Y <sub>2</sub> CoMnO <sub>6</sub> single crystals. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 084102	2.5	0
186	Protoporphyrin IX functionalized Fe <sub>2</sub> O <sub>3</sub> for enhanced photocatalytic and antimicrobial activity under sunlight. <i>Functional Materials Letters</i> , <b>2019</b> , 12, 1950079	1.2	3
185	Influence of calcination temperature and La <sup>3+</sup> /Bi <sup>3+</sup> /Fe <sup>3+</sup> ratio on structure and photocatalytic activity of bismuth ferrite. <i>Integrated Ferroelectrics</i> , <b>2019</b> , 200, 143-151	0.8	1
184	Influence of mixed organic cations on the structural and optical properties of lead tri-iodide perovskites. <i>Nanoscale</i> , <b>2019</b> , 11, 5215-5221	7.7	9
183	Giant Nonlinear Optical Response in 2D Perovskite Heterostructures. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900398	8.1	34
182	Anisotropic magnetization plateaus in S <sub>eff</sub> =1/2 skew-chain single-crystal Co <sub>2</sub> V <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	7
181	Conjugated Polymer-Assisted Grain Boundary Passivation for Efficient Inverted Planar Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808855	15.6	95
180	Comparison Studies of the Linear and Nonlinear Optical Properties of CsPbBr <sub>3</sub> Nanocrystals: The Influence of Dimensionality and Composition. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 9538-9543	3.8	25
179	Chiral CdSe nanoplatelets as an ultrasensitive probe for lead ion sensing. <i>Nanoscale</i> , <b>2019</b> , 11, 9327-9334	4.7	21
178	Photodetectors: Ultrahigh-Sensitive Broadband Photodetectors Based on Dielectric Shielded MoTe <sub>2</sub> /Graphene/SnS <sub>2</sub> p-n Junctions (Adv. Mater. 6/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970040	24	12
177	Surface-Related Exciton and Lasing in CdS Nanostructures. <i>Nanoscale Research Letters</i> , <b>2019</b> , 14, 216	5	2
176	Stable, Strongly Emitting Cesium Lead Bromide Perovskite Nanorods with High Optical Gain Enabled by an Intermediate Monomer Reservoir Synthetic Strategy. <i>Nano Letters</i> , <b>2019</b> , 19, 6315-6322	11.5	62
175	Direct and Indirect Recombination and Thermal Kinetics of Excitons in Colloidal All-Inorganic Lead Halide Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 19844-19850	3.8	16

174	Water-soluble chiral CdSe/CdS dot/rod nanocrystals for two-photon fluorescence lifetime imaging and photodynamic therapy. <i>Nanoscale</i> , <b>2019</b> , 11, 15245-15252	7.7	10
173	Effect of Lateral Size and Surface Passivation on the Near-Band-Edge Excitonic Emission from Quasi-Two-Dimensional CdSe Nanoplatelets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 41821-41827	8.5	15
172	Dopant-Free Hole Transporting Molecules for Highly Efficient Perovskite Photovoltaic with Strong Interfacial Interaction. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900319	7.1	14
171	Ultrafast Charge Carrier Dynamics and Nonlinear Optical Absorption of InP/ZnS CoreShell Colloidal Quantum Dots. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 27207-27213	3.8	6
170	Effects of Material Dimensionality on the Optical Properties of CsPbBr <sub>3</sub> Nanomaterials. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 28893-28897	3.8	5
169	Improved Optical Property and Lasing of ZnO Nanowires by Ar Plasma Treatment. <i>Nanoscale Research Letters</i> , <b>2019</b> , 14, 312	5	6
168	Giant two- to five-photon absorption in CsPbBr <sub>3</sub> two-dimensional nanoplatelets. <i>Optics Letters</i> , <b>2019</b> , 44, 3873-3876	3	12
167	High-Quality Dual-Plasmonic Au@Cu <sub>2</sub> Se Nanocrescents with Precise Cu <sub>2</sub> Se Domain Size Control and Tunable Optical Properties in the Second Near-Infrared Biowindow. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 9875-9886	9.6	26
166	Controllable Polarization of Lasing Emission From a Polymer Microfiber Laser. <i>Scientific Reports</i> , <b>2019</b> , 9, 17017	4.9	5
165	Optical characteristics of GaAs/GaAsSb/GaAs coaxial single quantum-well nanowires with different Sb components.. <i>RSC Advances</i> , <b>2019</b> , 9, 38114-38118	3.7	5
164	Global microRNA and isomiR expression associated with liver metabolism is induced by organophosphorus flame retardant exposure in male Chinese rare minnow ( <i>Gobiocypris rarus</i> ). <i>Science of the Total Environment</i> , <b>2019</b> , 649, 829-838	10.2	11
163	Green Mass Production of Pure Nanodrugs via an Ice-Template-Assisted Strategy. <i>Nano Letters</i> , <b>2019</b> , 19, 658-665	11.5	25
162	Ultrahigh-Sensitive Broadband Photodetectors Based on Dielectric Shielded MoTe <sub>2</sub> /Graphene/SnS p-g-n Junctions. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805656	24	95
161	Surface State Passivation and Optical Properties Investigation of GaSb via Nitrogen Plasma Treatment. <i>ACS Omega</i> , <b>2018</b> , 3, 4412-4417	3.9	12
160	Localized-State-Dependent Electroluminescence from ZnO/ZnS CoreShell Nanowires/GaN Heterojunction. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 1641-1647	5.6	10
159	Novel half-magnetization plateau and nematiclike transition in the S=1 skew chain Ni <sub>2</sub> V <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	13
158	Optical properties improvement of GaSb epilayers through defects compensation via doping. <i>Journal of Luminescence</i> , <b>2018</b> , 197, 266-269	3.8	10
157	Proton Conducting Polyoxometalate/Polypyrrole Films and Their Humidity Sensing Performance. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 564-571	5.6	20

156	A Turn-on Fluorescence sensor for Pb <sup>2+</sup> detection based on graphene quantum dots and gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 1577-1581	8.5	111
155	Tunable Chiroptical Properties from the Plasmonic Band to Metal-Ligand Charge Transfer Band of Cysteine-Capped Molybdenum Oxide Nanoparticles. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10393-10397	3.6	12
154	Optical waveguiding properties of colloidal quantum dots doped polymer microfibers. <i>Optics Express</i> , <b>2018</b> , 26, 13408-13415	3.3	6
153	Structural Phase Transition: Interfacial-Field-Induced Increase of the Structural Phase Transition Temperature in Organic-Inorganic Perovskite Crystals Coated with ZnO Nanoshell (Adv. Mater. Interfaces 14/2018). <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1870067	4.6	
152	Ultrafast optical nonlinearity of blue-emitting perovskite nanocrystals. <i>Photonics Research</i> , <b>2018</b> , 6, 554-6	3.0	30
151	Ultrafast Dynamics of Photoexcited Hot Carrier Generation and Injection in [email protected]@GNS Nanostructures. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 14857-14864	3.8	6
150	High-field phase diagram and phase transitions in hexagonal manganite ErMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	6
149	Interfacial-Field-Induced Increase of the Structural Phase Transition Temperature in Organic-Inorganic Perovskite Crystals Coated with ZnO Nanoshell. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800301	4.6	5
148	Pump angle and position effects on laser emission from quasicrystal microcavity by nine-beam interference based on holographic polymer-dispersed liquid crystals. <i>Liquid Crystals</i> , <b>2018</b> , 45, 415-420	2.3	3
147	Gold Nanoclusters Enhanced Photocatalytic Property of Bismuth Oxychloride. <i>ChemistrySelect</i> , <b>2018</b> , 3, 11922-11925	1.8	4
146	Optical Characteristics of ZnS Passivated CdSe/CdS Quantum Dots for High Photostability and Lasing. <i>Scientific Reports</i> , <b>2018</b> , 8, 17323	4.9	18
145	Effect of Post Thermal Annealing on the Optical Properties of InP/ZnS Quantum Dot Films. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 369	5	4
144	Magnetic field induced ferroelectricity and half magnetization plateau in polycrystalline R <sub>2</sub> V <sub>2</sub> O <sub>7</sub> (R=Ni,Co). <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	13
143	Facile Synthesis and Controllable Emission of Tm <sup>3+</sup> /Er <sup>3+</sup> -Doped and -Co-doped NaYbF <sub>4</sub> Upconversion Nanocrystals. <i>ACS Omega</i> , <b>2018</b> , 3, 17814-17820	3.9	4
142	Optical properties of quasi-type-II structure in GaAs/GaAsSb/GaAs coaxial single quantum-well nanowires. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 233104	3.4	85
141	Plasmon-induced hot electron transfer in AgNW@TiO <sub>2</sub> @AuNPs nanostructures. <i>Scientific Reports</i> , <b>2018</b> , 8, 14136	4.9	8
140	Linear and nonlinear optical characteristics of all-inorganic perovskite CsPbBr <sub>3</sub> quantum dots modified by hydrophobic zeolites. <i>Nanoscale</i> , <b>2018</b> , 10, 22766-22774	7.7	27
139	Thermally activated delayed fluorescence organic dots for two-photon fluorescence lifetime imaging. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 211102	3.4	14

138	Unusual magnetoelectric memory and polarization reversal in the kagome staircase compound Ni <sub>3</sub> V <sub>2</sub> O <sub>8</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	6
137	Tunable Chiroptical Properties from the Plasmonic Band to Metal-Ligand Charge Transfer Band of Cysteine-Capped Molybdenum Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10236-10240	16.4	35
136	Localized states emission in type-I GaAsSb/AlGaAs multiple quantum wells grown by molecular beam epitaxy. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2017</b> , 11, 1700001	2.5	7
135	Manipulation of Surface Plasmon Resonance in Sub-Stoichiometry Molybdenum Oxide Nanodots through Charge Carrier Control Technique. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 5208-5214	3.8	45
134	Developmental toxicity and thyroid hormone-disrupting effects of 2,4-dichloro-6-nitrophenol in Chinese rare minnow ( <i>Gobiocypris rarus</i> ). <i>Aquatic Toxicology</i> , <b>2017</b> , 185, 40-47	5.1	21
133	Biocompatible D-A Semiconducting Polymer Nanoparticle with Light-Harvesting Unit for Highly Effective Photoacoustic Imaging Guided Photothermal Therapy. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605094	15.6	152
132	Mechanical stability and superconductivity of PbO-type phase of thorium monocarbide at high pressure. <i>Computational Materials Science</i> , <b>2017</b> , 136, 238-242	3.2	6
131	Incorporating Copper Nanoclusters into Metal-Organic Frameworks: Confinement-Assisted Emission Enhancement and Application for Trinitrotoluene Detection. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1700029	3.1	19
130	Back Cover: Localized states emission in type-I GaAsSb/AlGaAs multiple quantum wells grown by molecular beam epitaxy (Phys. Status Solidi RRL 3/2017). <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2017</b> , 11, 1770314	2.5	1
129	Optical characteristics of GaAsSb alloy after rapid thermal annealing. <i>Semiconductor Science and Technology</i> , <b>2017</b> , 32, 114007	1.8	7
128	Spectroscopic studies of chiral perovskite nanocrystals. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 151102	3.4	50
127	Design and chiroptical properties of a water-soluble and violet-blue emissive alkyne template. <i>Synthetic Metals</i> , <b>2017</b> , 234, 132-138	3.6	2
126	Strong two-photon absorption of Mn-doped CsPbCl <sub>3</sub> perovskite nanocrystals. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 211105	3.4	46
125	Highly sensitive and selective liquid crystal optical sensor for detection of ammonia. <i>Optics Express</i> , <b>2017</b> , 25, 13549-13556	3.3	23
124	Low-threshold, single-mode, and linearly polarized lasing from all organic quasicrystal microcavity. <i>Optics Express</i> , <b>2017</b> , 25, 21519-21525	3.3	5
123	Effect of rapid thermal annealing on the optical properties of GaAsSb alloys. <i>Optical Materials Express</i> , <b>2017</b> , 7, 1971	2.6	9
122	Optically pumped lasing with a Q-factor exceeding 6000 from wet-etched GaN micro-pyramids. <i>Optics Letters</i> , <b>2017</b> , 42, 2976-2979	3	8
121	Brief Review of Epitaxy and Emission Properties of GaSb and Related Semiconductors. <i>Crystals</i> , <b>2017</b> , 7, 337	2.3	6



120	Strong multiphoton absorption properties of one styrylpyridinium salt in a highly polar solvent. <i>Optics Express</i> , <b>2016</b> , 24, 11091-102	3.3	4
119	Organic nanostructures of thermally activated delayed fluorescent emitters with enhanced intersystem crossing as novel metal-free photosensitizers. <i>Chemical Communications</i> , <b>2016</b> , 52, 11744-11747	5.8	51
118	Preparation of Aluminum Nanomesh Thin Films from an Anodic Aluminum Oxide Template as Transparent Conductive Electrodes. <i>Scientific Reports</i> , <b>2016</b> , 6, 20114	4.9	17
117	Microcavity Laser Based on Cholesteric Liquid Crystal Doped With Reactive Mesogen. <i>IEEE Photonics Journal</i> , <b>2016</b> , 1-1	1.8	1
116	Light-Emitting Devices: All-Copper Nanocluster Based Down-Conversion White Light-Emitting Devices (Adv. Sci. 11/2016). <i>Advanced Science</i> , <b>2016</b> , 3,	13.6	2
115	Investigation of Localized States in GaAsSb Epilayers Grown by Molecular Beam Epitaxy. <i>Scientific Reports</i> , <b>2016</b> , 6, 29112	4.9	34
114	Temperature-dependent stoichiometric alteration in ZnO:Mn nanostructured thin films for enhanced ferromagnetic response. <i>Applied Surface Science</i> , <b>2016</b> , 387, 461-468	6.7	8
113	Exciton energy recycling from ZnO defect levels: towards electrically driven hybrid quantum-dot white light-emitting-diodes. <i>Nanoscale</i> , <b>2016</b> , 8, 5835-41	7.7	12
112	Ultraviolet Electroluminescence from ZnS@ZnO Core-Shell Nanowires/p-GaN Introduced by Exciton Localization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 1661-6	9.5	39
111	Random lasing from cholesteric liquid crystal microspheres dispersed in glycerol. <i>Applied Optics</i> , <b>2016</b> , 55, 8864-8867	0.2	5
110	2, 4-Dichloro-6-nitrophenol, a photonitration product of 2, 4-dichlorophenol, caused anti-androgenic potency in Chinese rare minnows ( <i>Gobiocypris rarus</i> ). <i>Environmental Pollution</i> , <b>2016</b> , 216, 591-598	9.3	23
109	Ultrafast and Robust UV Luminescence from Cu-Doped ZnO Nanowires Mediated by Plasmonic Hot Electrons. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 960-966	8.1	18
108	Reconfigurable Liquid Whispering Gallery Mode Microlasers. <i>Scientific Reports</i> , <b>2016</b> , 6, 27200	4.9	25
107	Ferromagnetic signature in vanadium doped ZnO thin films grown by pulsed laser deposition. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 3223-3229	2.5	4
106	Electrostatic energy harvesting device with dual resonant structure for wideband random vibration sources at low frequency. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 125001	1.7	58
105	Investigation of localized and delocalized excitons in ZnO/ZnS core-shell heterostructured nanowires. <i>Nanophotonics</i> , <b>2016</b> , 6, 1093-1100	6.3	11
104	Photoluminescence: Ultrafast and Robust UV Luminescence from Cu-Doped ZnO Nanowires Mediated by Plasmonic Hot Electrons (Advanced Optical Materials 6/2016). <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 959-959	8.1	1
103	Unusual Fluorescent Properties of Stilbene Units and CdZnS/ZnS Quantum Dots Nanocomposites: White-Light Emission in Solution versus Light-Harvesting in Films. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 24-31	2.6	2

102	Optical biosensor based on liquid crystal droplets for detection of cholic acid. <i>Optics Communications</i> , <b>2016</b> , 381, 286-291	2	31
101	Graphitic carbon nitride nanosheet@metal-organic framework core-shell nanoparticles for photo-chemo combination therapy. <i>Nanoscale</i> , <b>2015</b> , 7, 17299-305	7.7	140
100	Influence of Exciton Localization on the Emission and Ultraviolet Photoresponse of ZnO/ZnS Core-Shell Nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10331-6	9.5	44
99	Stable and Low-Threshold Optical Gain in CdSe/CdS Quantum Dots: An All-Colloidal Frequency Up-Converted Laser. <i>Advanced Materials</i> , <b>2015</b> , 27, 2741-6	24	77
98	Significant enhancement of UV emission in ZnO nanorods subject to Ga <sup>+</sup> ion beam irradiation. <i>Nano Research</i> , <b>2015</b> , 8, 1857-1864	10	6
97	Observation of polarized gain from aligned colloidal nanorods. <i>Nanoscale</i> , <b>2015</b> , 7, 6481-6	7.7	24
96	Upconversion Lasers: Stable and Low-Threshold Optical Gain in CdSe/CdS Quantum Dots: An All-Colloidal Frequency Up-Converted Laser (Adv. Mater. 17/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 2678-2678	24	2
95	NaYF <sub>4</sub> :Yb,Er-MoS <sub>2</sub> : from synthesis and surface ligand stripping to negative infrared photoresponse. <i>Chemical Communications</i> , <b>2015</b> , 51, 9030-3	5.8	14
94	Blue liquid lasers from solution of CdZnS/ZnS ternary alloy quantum dots with quasi-continuous pumping. <i>Advanced Materials</i> , <b>2015</b> , 27, 169-75	24	104
93	Multicolor lasing prints. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 221103	3.4	40
92	Highly Stable Near-Infrared Fluorescent Organic Nanoparticles with a Large Stokes Shift for Noninvasive Long-Term Cellular Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26266-74	9.5	107
91	Quantum Dots: Blue Liquid Lasers from Solution of CdZnS/ZnS Ternary Alloy Quantum Dots with Quasi-Continuous Pumping (Adv. Mater. 1/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 168-168	24	
90	Efficient three-color white organic light-emitting diodes with a spaced multilayer emitting structure. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 023302	3.4	23
89	Sb-induced phase control of InAsSb nanowires grown by molecular beam epitaxy. <i>Nano Letters</i> , <b>2015</b> , 15, 1109-16	11.5	52
88	3-Dimensional photonic crystal surface enhanced upconversion emission for improved near-infrared photoresponse. <i>Nanoscale</i> , <b>2014</b> , 6, 817-24	7.7	62
87	Variation of the coordination environment and its effect on the white light emission properties in a Mn-doped ZnO-ZnS complex structure. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 4544-50	3.6	8
86	Multiphoton Harvesting in an Angular Carbazole-Containing Zn(II)-Coordinated Random Copolymer Mediated by Twisted Intramolecular Charge Transfer State. <i>Macromolecules</i> , <b>2014</b> , 47, 1316-1324	5.5	20
85	Bending-Induced Bidirectional Tuning of Whispering Gallery Mode Lasing from Flexible Polymer Fibers. <i>ACS Photonics</i> , <b>2014</b> , 1, 11-16	6.3	64

84	Coupled Polymer Microfiber Lasers for Single Mode Operation and Enhanced Refractive Index Sensing. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 220-225	8.1	62
83	Cross Relaxation Induced Pure Red Upconversion in Activator- and Sensitizer-Rich Lanthanide Nanoparticles. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 5183-5186	9.6	158
82	Nonlinear Optics: Efficient Energy Transfer under Two-Photon Excitation in a 3D, Supramolecular, Zn(II)-Coordinated, Self-Assembled Organic Network (Advanced Optical Materials 1/2014). <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 39-39	8.1	2
81	Organic light-emitting diodes with a spacer enhanced exciplex emission. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 153302	3.4	13
80	Lasers: Coupled Polymer Microfiber Lasers for Single Mode Operation and Enhanced Refractive Index Sensing (Advanced Optical Materials 3/2014). <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 200-200	8.1	3
79	Comparative study of field-dependent carrier dynamics and emission kinetics of InGaN/GaN light-emitting diodes grown on (112̄) semipolar versus (0001) polar planes. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 143506	3.4	26
78	Efficient Energy Transfer under Two-Photon Excitation in a 3D, Supramolecular, Zn(II)-Coordinated, Self-Assembled Organic Network. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 40-47	8.1	28
77	Synergetically enhanced near-infrared photoresponse of reduced graphene oxide by upconversion and gold plasmon. <i>Small</i> , <b>2014</b> , 10, 3637-43	11	25
76	Flexible microresonators: lasing and sensing <b>2014</b> ,		1
75	High temperature ferromagnetic ordering in c-axis oriented ZnO:Mn nanoparticle thin films by tailoring substrate temperature. <i>International Journal of Modern Physics Conference Series</i> , <b>2014</b> , 32, 1460341	0.7	5
74	Stimulated emission and lasing from CdSe/CdS/ZnS core-multi-shell quantum dots by simultaneous three-photon absorption. <i>Advanced Materials</i> , <b>2014</b> , 26, 2954-61	24	141
73	Exciton localization and optical properties improvement in nanocrystal-embedded ZnO core-shell nanowires. <i>Nano Letters</i> , <b>2013</b> , 13, 734-9	11.5	76
72	Development of ZnO Nanostructured Films via Sodium Chloride Solution and Investigation of Its Growth Mechanism and Optical Properties. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 1972-1977	3.8	1
71	The variation of Mn-dopant distribution state with x and its effect on the magnetic coupling mechanism in Zn <sub>1-x</sub> Mn <sub>x</sub> O nanocrystals. <i>Chinese Physics B</i> , <b>2013</b> , 22, 107501	1.2	4
70	Exciting Dilute Magnetic Semiconductor: Copper-Doped ZnO. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2013</b> , 26, 187-195	1.5	22
69	Whispering gallery mode microlasers and refractive index sensing based on single polymer fiber. <i>Laser and Photonics Reviews</i> , <b>2013</b> , 7, 133-139	8.3	94
68	AC-driven, color- and brightness-tunable organic light-emitting diodes constructed from an electron only device. <i>Organic Electronics</i> , <b>2013</b> , 14, 3195-3200	3.5	24
67	Au nanorod decoration on NaYF <sub>4</sub> /Yb/Tm nanoparticles for enhanced emission and wavelength-dependent biomolecular sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 3508-13	9.5	95

66	Enhanced emission of NaYF <sub>4</sub> :Yb,Er/Tm nanoparticles by selective growth of Au and Ag nanoshells. <i>RSC Advances</i> , <b>2013</b> , 3, 7718	3.7	35
65	Multicolor hybrid upconversion nanoparticles and their improved performance as luminescence temperature sensors due to energy transfer. <i>Small</i> , <b>2013</b> , 9, 1052-7	11	66
64	Enhanced ferromagnetic response in ZnO:Mn thin films by tailoring composition and defect concentration. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 344, 171-175	2.8	21
63	Tuning whispering gallery mode lasing from self-assembled polymer droplets. <i>Scientific Reports</i> , <b>2013</b> , 3, 1362	4.9	102
62	Silver nanoparticle facilitated charge generation in tandem organic light-emitting devices. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 203303	3.4	7
61	Fluorescent pH sensor based on Ag@SiO <sub>2</sub> core-shell nanoparticle. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5856-60	9.5	96
60	Optical and Excitonic Properties of Crystalline ZnS Nanowires <b>2013</b> , 453-483		
59	Tuning the influence of metal nanoparticles on ZnO photoluminescence by atomic-layer-deposited dielectric spacer. <i>Nanophotonics</i> , <b>2013</b> , 2, 153-160	6.3	23
58	Application of self-assembled hemispherical microlasers as gas sensors. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 031107	3.4	33
57	Self-assembled flexible microlasers. <i>Advanced Materials</i> , <b>2012</b> , 24, OP60-4	24	67
56	Effect of excimer laser annealing on the silicon nanocrystals embedded in silicon-rich silicon nitride film. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 106, 251-255	2.6	8
55	Fabrication and spectroscopic characterization of Ce <sup>3+</sup> doped Sr <sub>2</sub> Y <sub>8</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> translucent ceramics. <i>Optical Materials</i> , <b>2012</b> , 34, 1155-1160	3.3	18
54	Efficient Energy Transfer and Enhanced Infrared Emission in Er-Doped ZnO-SiO <sub>2</sub> Composites. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 13458-13462	3.8	55
53	Improving the solubility of Mn and suppressing the oxygen vacancy density in Zn <sub>0.98</sub> Mn <sub>0.02</sub> O nanocrystals via octylamine treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4470-5	9.5	16
52	Single mode lasing from hybrid hemispherical microresonators. <i>Scientific Reports</i> , <b>2012</b> , 2, 244	4.9	56
51	Alteration of Mn exchange coupling by oxygen interstitials in ZnO:Mn thin films. <i>Applied Surface Science</i> , <b>2012</b> , 258, 6373-6378	6.7	48
50	High-salt-tolerance matrix for facile detection of glucose in rat brain microdialysates by MALDI mass spectrometry. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 465-9	7.8	76
49	Realizing a SnO <sub>2</sub> -based ultraviolet light-emitting diode via breaking the dipole-forbidden rule. <i>NPG Asia Materials</i> , <b>2012</b> , 4, e30-e30	10.3	119

48	Enhanced indirect ferromagnetic p-d exchange coupling of Mn in oxygen rich ZnO:Mn nanoparticles synthesized by wet chemical method. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 033503	2.5	36
47	Mechanism studies on the superior optical limiting observed in graphene oxide covalently functionalized with upconversion NaYF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanoparticles. <i>Small</i> , <b>2012</b> , 8, 2163-8	11	56
46	Synthesis and optical properties of II-VI 1D nanostructures. <i>Nanoscale</i> , <b>2012</b> , 4, 1422-35	7.7	67
45	Concise synthesis and two-photon-excited deep-blue emission of 1,8-diazapyrenes. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 2090-5	4.5	25
44	Enhanced Optical Nonlinearity in Noncovalently Functionalized Amphiphilic Graphene Composites. <i>ChemPlusChem</i> , <b>2012</b> , 77, 688-693	2.8	22
43	N-(1-naphthyl) ethylenediamine dinitrate: a new matrix for negative ion MALDI-TOF MS analysis of small molecules. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 1454-60	3.5	38
42	Two-photon-pumped stimulated emission from ZnO single crystal. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 081902	3.02	27
41	Temperature dependence of weak localization effects of excitons in ZnCdO/ZnO single quantum well. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 113521	2.5	13
40	Oxygen rich p-type ZnO thin films using wet chemical route with enhanced carrier concentration by temperature-dependent tuning of acceptor defects. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 093522	2.5	78
39	UV light emitting transparent conducting tin-doped indium oxide (ITO) nanowires. <i>Nanotechnology</i> , <b>2011</b> , 22, 195706	3.4	93
38	Quenching of surface traps in Mn doped ZnO thin films for enhanced optical transparency. <i>Applied Surface Science</i> , <b>2011</b> , 258, 890-897	6.7	57
37	Wide-range coupling between surface plasmon polariton and cylindrical dielectric waveguide mode. <i>Optics Express</i> , <b>2011</b> , 19, 13598-603	3.3	16
36	Infrared emission properties and energy transfer in ZnO/SiO <sub>2</sub> :Yb <sup>3+</sup> composites. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 7794-7797	5.7	8
35	Direct analysis of oligosaccharides and alpha hydroxy acids in fruits using electrosonic spray ionization mass spectrometry. <i>Analyst, The</i> , <b>2011</b> , 136, 3809-14	5	6
34	Nanoscale semiconductor-insulator-metal core/shell heterostructures: facile synthesis and light emission. <i>Nanoscale</i> , <b>2011</b> , 3, 3170-7	7.7	17
33	Vertically aligned cadmium chalcogenide nanowire arrays on muscovite mica: a demonstration of epitaxial growth strategy. <i>Nano Letters</i> , <b>2011</b> , 11, 3051-7	11.5	85
32	Excitonic properties and near-infrared coherent random lasing in vertically aligned CdSe nanowires. <i>Advanced Materials</i> , <b>2011</b> , 23, 1404-8	24	64
31	Room temperature excitonic whispering gallery mode lasing from high-quality hexagonal ZnO microdisks. <i>Advanced Materials</i> , <b>2011</b> , 23, 2199-204	24	208

30	Lasing: Room Temperature Excitonic Whispering Gallery Mode Lasing from High-Quality Hexagonal ZnO Microdisks (Adv. Mater. 19/2011). <i>Advanced Materials</i> , <b>2011</b> , 23, 2128-2128	24	11
29	Exciton-Related Photoluminescence and Lasing in CdS Nanobelts. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 12826-12830	3.8	73
28	Nitrogen doping in pulsed laser deposited ZnO thin films using dense plasma focus. <i>Applied Surface Science</i> , <b>2011</b> , 257, 1979-1985	6.7	24
27	Uniaxial tensile strain and exciton-phonon coupling in bent ZnO nanowires. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 241916	3.4	39
26	Microcavity effects in SiGe/Si heterogeneous nanostructures prepared by electrochemical anodization of SiGe/Si multiple quantum wells. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 103101	2.5	
25	Ultraviolet light emission and excitonic fine structures in ultrathin single-crystalline indium oxide nanowires. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 031902	3.4	40
24	Optically pumped ultraviolet lasing from nitride nanopillars at room temperature. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 241101	3.4	43
23	Carrier Relaxation in InAs/InGaAs Dots-in-a-Well Structures. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 020203	1.4	1
22	Surface-plasmon enhancement of band gap emission from ZnCdO thin films by gold particles. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 061104	3.4	14
21	Pulsed laser deposition of high-quality ZnCdO epilayers and ZnCdO/ZnO single quantum well on sapphire substrate. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 061911	3.4	34
20	Optical and excitonic properties of crystalline ZnS nanowires: toward efficient ultraviolet emission at room temperature. <i>Nano Letters</i> , <b>2010</b> , 10, 4956-61	11.5	104
19	Fine Structure of Ultraviolet Photoluminescence of Tin Oxide Nanowires. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 3407-3410	3.8	62
18	Surface Eu-Treated ZnO Nanowires with Efficient Red Emission. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 18081-18084	3.8	41
17	Single chain diffusion of poly(ethylene oxide) in its monolayers before and after crystallization. <i>Langmuir</i> , <b>2010</b> , 26, 5951-6	4	14
16	Electronic energy levels and carrier dynamics in InAs/InGaAs dots-in-a-well structure investigated by optical spectroscopy. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 013513	2.5	45
15	Investigation of Structured Green-Band Emission and Electron-Phonon Interactions in Vertically Aligned ZnO Nanowires. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 17889-17893	3.8	22
14	Localized suppression of longitudinal-optical-phonon-exciton coupling in bent ZnO nanowires. <i>Nanotechnology</i> , <b>2010</b> , 21, 445706	3.4	42
13	Surface plasmon induced exciton redistribution in ZnCdO/ZnO coaxial multiquantum-well nanowires. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 081107	3.4	9

12	Photoluminescence characteristics of high quality ZnO nanowires and its enhancement by polymer covering. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 023111	3.4	116
11	A SnO <sub>2</sub> Nanoparticle/Nanobelt and Si Heterojunction Light-Emitting Diode. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 18390-18395	3.8	41
10	Ferromagnetism in ZnCoO thin films deposited by PLD. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 101, 717-722	2.6	13
9	Study of the cation distributions in Eu doped Sr <sub>2</sub> Y <sub>8</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> by X-ray diffraction and photoluminescent spectra. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 3093-3099	3.3	33
8	Interband optical transitions of an InAs/InGaAs dots-in-a-well structure. <i>Solid State Communications</i> , <b>2010</b> , 150, 707-710	1.6	7
7	Photoluminescence properties of midinfrared dilute nitride InAsN epilayers with/without Sb flux during molecular beam epitaxial growth. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 261905	3.4	14
6	Strain-induced anodization of SiGe/Si multiple layers to form high density SiGe/Si heterogeneous nanorods. <i>Solid State Communications</i> , <b>2009</b> , 149, 1897-1901	1.6	4
5	Hierarchical assembly of ZnO nanostructures on SnO(2) backbone nanowires: low-temperature hydrothermal preparation and optical properties. <i>ACS Nano</i> , <b>2009</b> , 3, 3069-76	16.7	242
4	Characteristics of ultraviolet photoluminescence from high quality tin oxide nanowires. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 061908	3.4	63
3	1,8-Octanediamine Dihydroiodide-Mediated Grain Boundary and Interface Passivation in Two-Step-Processed Perovskite Solar Cells. <i>Solar Rrl</i> , 2100960	7.1	2
2	An ultrafast-response and high-detectivity self-powered perovskite photodetector based on a triazine-derived star-shaped small molecule as a dopant-free hole transporting layer. <i>Journal of Materials Chemistry C</i> ,	7.1	3
1	Circularly Polarized Light Source from Self-Assembled Hybrid Nanoarchitecture. <i>Advanced Optical Materials</i> , 2200761	8.1	2