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List of Publications by Year in Descending Order

337 papers	12,359 citations	50 h-index	101 g-index
357 ext. papers	14,438 ext. citations	5.4 avg, IF	6.52 L-index

#	Paper	IF	Citations
337	Component Engineering to Tailor the Structure and Optical Properties of Sb-Doped Indium-Based Halides.. *Inorganic Chemistry*, **2022**,	5.1	6
336	Molecular beam epitaxy growth of high mobility InN film for high-performance broadband heterointerface photodetectors. *Surfaces and Interfaces*, **2022**, 29, 101772	4.1	3
335	Magnetic polaronic and bipolaronic excitons in Mn(II) doped (TDMP)PbBr4 and their high emission. *Nano Energy*, **2022**, 93, 106863	17.1	5
334	Enhanced photoluminescence efficiencies of CsPbCl3-xBrx nanocrystals by incorporating neodymium ions. *Journal of Luminescence*, **2022**, 243, 118658	3.8	1
333	In situ preparation of Mn-doped perovskite nanocrystalline films and application to white light emitting devices. *Journal of Colloid and Interface Science*, **2022**, 606, 1163-1169	9.3	4
332	Efficient broadband near-infrared luminescence of Cr3+ doped fluoride K2NaInF6 and its NIR-LED application toward veins imaging. *Chemical Engineering Journal*, **2022**, 427, 131740	14.7	12
331	Effects of Electron-Phonon Coupling and Spin-Spin Coupling on the Photoluminescence of Low-Dimensional Metal Halides.. *Journal of Physical Chemistry Letters*, **2022**, 1752-1764	6.4	6
330	Phase-Selective Solution Synthesis of Cd-Based Perovskite Derivatives and Their Structure/Emission Modulation.. *Journal of Physical Chemistry Letters*, **2022**, 3682-3690	6.4	2
329	High-efficient yellow-green emission in (TDMP)MnBr4 single crystal with modulation of spin-phonon-charge interactions. *Materials Today Physics*, **2022**, 25, 100703	8	4
328	Enhanced performance of solution-processed all-inorganic halide perovskite photodetectors by using bulk heterojunction and lateral configuration. *Journal of Alloys and Compounds*, **2021**, 896, 163022	5.7	2
327	Two-photon scattering and correlation in a four-terminal waveguide system. *Optics Express*, **2021**, 29, 35664-35677	3.3	
326	Anomalous nonlinear optical effect and enhanced emission by magnetic excitons in CVD grown cobalt-doped ZnSe nanoribbon. *New Journal of Physics*, **2021**, 23, 033019	2.9	7
325	Highly Efficient Cool-White Photoluminescence of (Gua)CuI Single Crystals: Formation and Optical Properties. *ACS Applied Materials & Interfaces*, **2021**, 13, 13443-13451	9.5	20
324	Strong yellow emission of polaronic magnetic exciton in Fe3+-doped CsCdCl3 perovskites. *Applied Physics Letters*, **2021**, 118, 152102	3.4	6
323	Controlled Structural Transformation in Sb-Doped Indium Halides A3InCl6 and A2InCl5H2O Yields Reversible Green-to-Yellow Emission Switch. *Advanced Optical Materials*, **2021**, 9, 2002267	8.1	14
322	New Type of Thermoelectric CdSSe Nanowire Chip. *ACS Applied Materials & Interfaces*, **2021**, 13, 30959-30966	9.5	1
321	Water-Stable Zero-Dimensional (CH)NCuCl Single Crystal with Highly Efficient Broadband Green Emission. *Journal of Physical Chemistry Letters*, **2021**, 12, 6639-6647	6.4	21

320	Inorganic Solid Phosphorus Precursor of Sodium Phosphaethynolate for Synthesis of Highly Luminescent InP-Based Quantum Dots. *ACS Energy Letters*, **2021**, 6, 2697-2703	20.1	6
319	Self-Trapped Exciton Emission in a Zero-Dimensional (TMA)SbCl□DMF Single Crystal and Molecular Dynamics Simulation of Structural Stability. *Journal of Physical Chemistry Letters*, **2021**, 12, 7091-7099	6.4	20
318	Solution-processed, flexible and broadband photodetector based on CsPbBr3/PbSe quantum dot heterostructures. *Journal of Materials Science and Technology*, **2021**, 68, 216-226	9.1	10
317	Arbuscular mycorrhizal fungi can ameliorate salt stress in Elaeagnus angustifolia by improving leaf photosynthetic function and ultrastructure. *Plant Biology*, **2021**, 23 Suppl 1, 232-241	3.7	6
316	Boosting triplet self-trapped exciton emission in Te(IV)-doped Cs2SnCl6 perovskite variants. *Nano Research*, **2021**, 14, 1551-1558	10	42
315	Bulk assembly of a 0D organic antimony chloride hybrid with highly efficient orange dual emission by self-trapped states. *Journal of Materials Chemistry C*, **2021**, 9, 12184-12190	7.1	5
314	Surface organic ligand-passivated quantum dots: toward high-performance light-emitting diodes with long lifetimes. *Journal of Materials Chemistry C*, **2021**, 9, 2483-2490	7.1	7
313	Lead-free MnII-based red-emitting hybrid halide (CH6N3)2MnCl4 toward high performance warm WLEDs. *Journal of Materials Chemistry C*, **2021**, 9, 4895-4902	7.1	19
312	Photoluminescence and Boosting Electron-Phonon Coupling in CdS Nanowires with Variable Sn(IV) Dopant Concentration. *Nanoscale Research Letters*, **2021**, 16, 19	5	0
311	Bulk assembly of a 0D organic tin(ii)chloride hybrid with high anti-water stability. *Chemical Communications*, **2021**, 57, 8162-8165	5.8	4
310	Dielectric polarization effect and transient relaxation in FAPbBr films before and after PMMA passivation. *Physical Chemistry Chemical Physics*, **2021**, 23, 10153-10163	3.6	2
309	Robust Fano resonance in the photonic valley Hall states. *Physical Review A*, **2021**, 103,	2.6	9
308	Efficient Energy Transfer in Te-Doped CsZrCl Vacancy-Ordered Perovskites and Ultrahigh Moisture Stability via A-Site Rb-Alloying Strategy. *Journal of Physical Chemistry Letters*, **2021**, 12, 1829-1837	6.4	38
307	Advances and Challenges in Two-Dimensional Organic-Inorganic Hybrid Perovskites Toward High-Performance Light-Emitting Diodes. *Nano-Micro Letters*, **2021**, 13, 163	19.5	17
306	A Monolithic Solid-State Sodium-Sulfur Battery with Al-Doped NaZr(SiPO) Electrolyte. *ACS Applied Materials & Interfaces*, **2021**, 13, 42927-42934	9.5	4
305	Polaronic Magnetic Excitons and Photoluminescence in Mn2+-Doped CsCdBr3 Metal Halides. *Journal of Physical Chemistry C*, **2021**, 125, 18031-18039	3.8	6
304	Bulk Assembly of Zero-Dimensional Organic Copper Bromide Hybrid with Bright Self-Trapped Exciton Emission and High Antiwater Stability. *Journal of Physical Chemistry C*, **2021**, 125, 20014-20021	3.8	9
303	Defect controls by silicon doping in non-polar a-plane AlGaN epi-layers. *Materials Express*, **2021**, 11, 1466-1475	1.3	

302	Reversible Zn Insertion in Tungsten Ion-Activated Titanium Dioxide Nanocrystals for Electrochromic Windows. *Nano-Micro Letters*, **2021**, 13, 196	19.5	8
301	Computational insights into optoelectronic and magnetic properties of V(III)-doped GaN. *Journal of Solid State Chemistry*, **2021**, 122606	3.3	0
300	Organic-inorganic hybrid manganese bromine single crystal with dual-band photoluminescence from polaronic and bipolaronic excitons. *Nano Energy*, **2021**, 87, 106166	17.1	20
299	Thermal and photo stability of all inorganic lead halide perovskite nanocrystals. *Physical Chemistry Chemical Physics*, **2021**, 23, 17113-17128	3.6	7
298	Large-scale facile-synthesis and bistable emissions of one-dimensional organic–inorganic C4H14N2PbBr4 metal halide crystals with bipolaronic states. *New Journal of Chemistry*, **2021**, 45, 17247-17257	3.6	5
297	A Polarization-Sensitive Self-Powered Photodetector Based on a p-WSe/TaIrTe/n-MoS van der Waals Heterojunction.. *ACS Applied Materials & Interfaces*, **2021**, 13, 61544-61554	9.5	8
296	Theoretical study of transparent peaks in a topological waveguide-cavity coupled system. *Applied Physics Letters*, **2021**, 119, 251101	3.4	0
295	Interlayer of PMMA Doped with Au Nanoparticles for High-Performance Tandem Photodetectors: A Solution to Suppress Dark Current and Maintain High Photocurrent. *ACS Applied Materials & Interfaces*, **2020**, 12, 26153-26160	9.5	19
294	Highly Efficient Self-Trapped Exciton Emission of a (MA)CuBr Single Crystal. *Journal of Physical Chemistry Letters*, **2020**, 11, 4703-4710	6.4	64
293	Antiferromagnetic Magnetic Polaron Formation and Optical Properties of CVD-Grown Mn-Doped Zinc Stannate (ZTO). *ACS Applied Electronic Materials*, **2020**, 2, 1679-1688	4	6
292	Solution-Processed, Self-Powered Broadband CH3NH3PbI3 Photodetectors Driven by Asymmetric Electrodes. *Advanced Optical Materials*, **2020**, 8, 2000215	8.1	19
291	Spin-related optical behaviors of dilute magnetic semiconductor ZnSe:Ni(II) nanobelts. *Nanotechnology*, **2020**, 31, 325002	3.4	9
290	Self-powered, all-solution processed, trilayer heterojunction perovskite-based photodetectors. *Nanotechnology*, **2020**, 31, 254001	3.4	6
289	Evolution of the structure and properties of mechanochemically synthesized pyrrolidine incorporated manganese bromide powders. *Journal of Materials Chemistry C*, **2020**, 8, 6488-6495	7.1	21
288	Magnetic quantification of single-crystalline Fe and Co nanowires via off-axis electron holography. *Journal of Chemical Physics*, **2020**, 152, 114202	3.9	1
287	The high-accuracy prediction of carbon content in semi-coke by laser-induced breakdown spectroscopy. *Journal of Analytical Atomic Spectrometry*, **2020**, 35, 984-992	3.7	4
286	Multipoint Nanolaser Array in an Individual Core–Shell CdS Branched Nanostructure. *Advanced Optical Materials*, **2020**, 8, 1901644	8.1	5
285	Highly Stable Red Quantum Dot Light-Emitting Diodes with Long Operation Lifetimes. *Journal of Physical Chemistry Letters*, **2020**, 11, 3111-3115	6.4	25

284	Mg-Doped ZnO Nanoparticle Films as the Interlayer between the ZnO Electron Transport Layer and InP Quantum Dot Layer for Light-Emitting Diodes. *Journal of Physical Chemistry C*, **2020**, 124, 8758-8765	3.8	15
283	Dynamics of chiral state transitions and relaxations in an FeGe thin plate via in situ Lorentz microscopy. *Nanoscale*, **2020**, 12, 14919-14925	7.7	2
282	Synthesis and optical properties of Mn2+-doped CdInS colloidal nanocrystals. *Journal of Materials Science*, **2020**, 55, 12801-12810	4.3	6
281	Highly Efficient Blue Emission from Self-Trapped Excitons in Stable Sb-Doped CsNaInCl Double Perovskites. *Journal of Physical Chemistry Letters*, **2020**, 11, 2053-2061	6.4	117
280	Near-Unity Red Mn Photoluminescence Quantum Yield of Doped CsPbCl Nanocrystals with Cd Incorporation. *Journal of Physical Chemistry Letters*, **2020**, 11, 2142-2149	6.4	44
279	First principles calculations of optoelectronic and magnetic properties of Co-doped and (Co, Al) co-doped ZnO. *Journal of Applied Physics*, **2020**, 127, 065707	2.5	1
278	Impact of vacancy defects on optoelectronic and magnetic properties of Mn-doped ZnSe. *Computational Materials Science*, **2020**, 174, 109493	3.2	12
277	A facile method to synthesize two-dimensional CsPb2Br5 nano-/micro-sheets for high-performance solution-processed photodetectors. *Journal of Alloys and Compounds*, **2020**, 824, 153970	5.7	12
276	Ultrafast photomechanical transduction through thermophoretic implosion. *Nature Communications*, **2020**, 11, 50	17.4	4
275	Spin-polarized exciton formation in Co-doped GaN nanowires. *Materials Chemistry and Physics*, **2020**, 245, 122756	4.4	4
274	Broadband perovskite quantum dot spectrometer beyond human visual resolution. *Light: Science and Applications*, **2020**, 9, 73	16.7	31
273	Red, Green, and Blue Microcavity Quantum Dot Light-Emitting Devices with Narrow Line Widths. *ACS Applied Nano Materials*, **2020**, 3, 5301-5310	5.6	7
272	Fragile topologically protected perfect reflection for acoustic waves. *Physical Review Research*, **2020**, 2,	3.9	2
271	Optical Josephson oscillation achieved by two coupled exciton-polariton condensates. *Optics Express*, **2020**, 28, 9136-9148	3.3	2
270	Highly luminescent and stable lead-free cesium copper halide perovskite powders for UV-pumped phosphor-converted light-emitting diodes. *Photonics Research*, **2020**, 8, 768	6	53
269	Stable blue-emissive aluminum acetylacetonate nanocrystals with high quantum yield of over 80% and embedded in polymer matrix for remote UV-pumped white light-emitting diodes. *Nanophotonics*, **2020**, 9, 1509-1518	6.3	1
268	Comparative Studies on Two-Dimensional (2D) Rectangular and Hexagonal Molybdenum Dioxide Nanosheets with Different Thickness. *Nanoscale Research Letters*, **2020**, 15, 156	5	0
267	Surface Plasmon Enhanced Exciton Transitions, Cavity Resonance Effects, and Exciton-Polariton-LO Phonon Interactions in ZnO Nanowires. *Journal of Physical Chemistry C*, **2020**, 124, 28252-28260	3.8	1

266	Frequency dependent electrocaloric effect in Nb-doped PZST relaxor thin film with the coexistence of tetragonal antiferroelectric and rhombohedral ferroelectric phases. *Ceramics International*, **2020**, 46, 4300-4306	5.1	5
265	Theoretical investigation of optoelectronic and magnetic properties of Co-doped ZnS and (Al, Co) co-doped ZnS. *Computational Materials Science*, **2020**, 174, 109491	3.2	8
264	Effect of Vanadium doping on optoelectronic and magnetic properties of wurtzite ZnS crystal. *Optik*, **2020**, 204, 164162	2.5	6
263	Sn-Doped CdS Nanowires with Low-Temperature Lasing by CW-Laser Excitation. *ACS Applied Electronic Materials*, **2020**, 2, 282-289	4	5
262	All-solution-processed UV-IR broadband trilayer photodetectors with CsPbBr colloidal nanocrystals as carriers-extracting layer. *Nanotechnology*, **2020**, 31, 165502	3.4	11
261	Porous Single-Wall Carbon Nanotube Templates Decorated with All-inorganic Perovskite Nanocrystals for Ultraflexible Photodetectors. *ACS Applied Nano Materials*, **2020**, 3, 459-467	5.6	14
260	Homo- and Heterovalent Doping-Mediated Self-Trapped Exciton Emission and Energy Transfer in Mn-Doped CsNaAgBiCl Double Perovskites. *Journal of Physical Chemistry Letters*, **2020**, 11, 340-348	6.4	56
259	Low-temperature-poling awakened high dielectric breakdown strength and outstanding improvement of discharge energy density of (Pb,La)(Zr,Sn,Ti)O3 relaxor thin film. *Nano Energy*, **2020**, 77, 105132	17.1	16
258	Colloidal Synthesis of Giant Shell PbSe-Based Core/Shell Quantum Dots in Polar Solvent: Cation Exchange versus Epitaxial Growth. *Chemistry of Materials*, **2020**, 32, 6650-6656	9.6	3
257	Bosonic Lasing of Collective Exciton Magnetic Polarons in CuCl2-Doped CdS Nanoribbons: Implications for Quantum Light Sources. *ACS Applied Nano Materials*, **2020**, 3, 5019-5032	5.6	7
256	Surface plasmons promoted single-mode polariton lasing in a subwavelength ZnO nanowire. *Nano Energy*, **2020**, 78, 105202	17.1	6
255	Vertically Stacked MoSe2/MoO2 Nanolayered Photodetectors with Tunable Photoresponses. *ACS Applied Nano Materials*, **2020**, 3, 7543-7553	5.6	9
254	ZnO nanorods array as light absorption antenna for high-gain UV photodetectors. *Journal of Alloys and Compounds*, **2020**, 812, 152158	5.7	21
253	Surface Engineering of All-Inorganic Perovskite Quantum Dots with Quasi Core–Shell Technique for High-Performance Photodetectors. *Advanced Materials Interfaces*, **2020**, 7, 2000360	4.6	16
252	First principle calculations on electronic, magnetic and optical properties of Mn doped and N co-doped CdS. *Materials Research Express*, **2019**, 6, 116126	1.7	2
251	Simultaneous Triplet Exciton–Phonon and Exciton–Photon Photoluminescence in the Individual Weak Confinement CsPbBr3 Micro/Nanowires. *Journal of Physical Chemistry C*, **2019**, 123, 25349-25358	3.8	23
250	Gaining Insight into the Underlayer Treatment for in Situ Fabrication of Efficient Perovskite Nanocrystal-Based Light-Emitting Diodes. *Journal of Physical Chemistry C*, **2019**, 123, 17353-17359	3.8	7
249	The contribution of Cr(III)-doping on the modulation of magnetic and luminescence properties of GaN nanowires. *Superlattices and Microstructures*, **2019**, 132, 106159	2.8	3

248	Ultralow-Threshold and Color-Tunable Continuous-Wave Lasing at Room-Temperature from In Situ Fabricated Perovskite Quantum Dots. *Journal of Physical Chemistry Letters*, **2019**, 10, 3248-3253	6.4	50
247	Interstitial Zn-modulated ferromagnetism in Co-doped ZnSe. *Materials Research Express*, **2019**, 6, 106121	1.7	2
246	Tunable Emission Properties of Manganese Chloride Small Single Crystals by Pyridine Incorporation. *ACS Omega*, **2019**, 4, 8039-8045	3.9	24
245	Phase-transition induced giant negative electrocaloric effect in a lead-free relaxor ferroelectric thin film. *Energy and Environmental Science*, **2019**, 12, 1708-1717	35.4	53
244	Room temperature synthesis of Mn-doped Cs3Pb6.48Cl16 perovskite nanocrystals with pure dopant emission and temperature-dependent photoluminescence. *CrystEngComm*, **2019**, 21, 3568-3575	3.3	7
243	Single-channel dual tunable emission in the visible and near-infrared region using aggregations of Mn(II) ions in an individual Mn-doped CdS nanosheet. *Journal of Physics and Chemistry of Solids*, **2019**, 132, 197-203	3.9	2
242	Recent progress of infrared photodetectors based on lead chalcogenide colloidal quantum dots. *Chinese Physics B*, **2019**, 28, 020701	1.2	10
241	CdSSe nanowire-chip based wearable sweat sensor. *Journal of Nanobiotechnology*, **2019**, 17, 42	9.4	11
240	In-Plane Anisotropic Raman Response and Electrical Conductivity with Robust Electron-Photon and Electron-Phonon Interactions of Air Stable MoO Nanosheets. *Journal of Physical Chemistry Letters*, **2019**, 10, 2182-2190	6.4	15
239	Transport tuning of photonic topological edge states by optical cavities. *Physical Review A*, **2019**, 99,	2.6	14
238	Growth of CdS nanotubes and their strong optical microcavity effects. *Nanoscale*, **2019**, 11, 5325-5329	7.7	11
237	Solution-phase, template-free synthesis of PbI and MAPbI nano/microtubes for high-sensitivity photodetectors. *Nanoscale*, **2019**, 11, 5188-5196	7.7	15
236	Ab initio study of optoelectronic and magnetic properties of Mn-doped ZnS with and without vacancy defects. *Journal of Physics Condensed Matter*, **2019**, 31, 485706	1.8	2
235	Direct Observation of Surface Polarons in Capped CuInS Quantum Dots by Ultrafast Pump-Probe Spectroscopies. *Journal of Physical Chemistry Letters*, **2019**, 10, 5297-5301	6.4	13
234	High-performance solution-processed colloidal quantum dots-based tandem broadband photodetectors with dielectric interlayer. *Nanotechnology*, **2019**, 30, 465203	3.4	14
233	Transport and entanglement for single photons in optical waveguide ladders. *Physical Review A*, **2019**, 100,	2.6	3
232	Influence of contact resistance on the electrical characteristics of organic static induction transistors. *Semiconductor Science and Technology*, **2019**, 34, 095022	1.8	0
231	Optoelectronic and magnetic properties of Mn-doped and Mn-C co-doped Wurtzite ZnS: a first-principles study. *Journal of Physics Condensed Matter*, **2019**, 31, 395702	1.8	5

230	Synthesis of high-efficient Mn2+ doped CsPbCl3 perovskite nanocrystals in toluene and surprised lattice ejection of dopants at mild temperature. *Journal of Alloys and Compounds*, **2019**, 806, 858-863	5.7	5
229	Synthesis of dual-emission Ag- and Mn-codoped Zn-In-S nanocrystals and their optical radiometric temperature sensors. *Journal of Nanoparticle Research*, **2019**, 21, 1	2.3	6
228	Dual-Color Lasing Lines from EMPs in Diluted Magnetic Semiconductor CdS:NiI Structure. *Research*, **2019**, 2019, 6956937	7.8	10
227	Ultra-sensitive solution-processed broadband photodetectors based on vertical field-effect transistor. *Nanotechnology*, **2019**, 31, 105203	3.4	13
226	Tailoring the electrocaloric effect of Pb0.78Ba0.2La0.02ZrO3 relaxor thin film by GaN substrates. *Journal of Materials Chemistry C*, **2019**, 7, 14109-14115	7.1	12
225	To enhance the performance of all-inorganic perovskite photodetectors via constructing both bilayer heterostructure and bipolar carrier transporting channels. *Journal of Materials Chemistry C*, **2019**, 7, 14938-14948	7.1	9
224	Magnetic coupling in 3D-hierarchical MnO2 microsphere. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 2802-2808	2.1	4
223	A one-step method to synthesize CHNHPbI:MoS nanohybrids for high-performance solution-processed photodetectors in the visible region. *Nanotechnology*, **2019**, 30, 085707	3.4	11
222	One-step synthesis of nail-like Mn-doped CdS/CdBr hetero-nanostructures for potential lasing application. *Nanotechnology*, **2019**, 30, 075605	3.4	3
221	Spin-induced magnetic anisotropy in novel Co-doped GaN nanoneedles and their related photoluminescence. *New Journal of Chemistry*, **2018**, 42, 8338-8341	3.6	3
220	Efficiency enhancement for solution-processed PbS quantum dots solar cells by inserting graphene oxide as hole-transporting and interface modifying layer. *Organic Electronics*, **2018**, 58, 270-275	3.5	8
219	Centimeter-Sized Cs4PbBr6 Crystals with Embedded CsPbBr3 Nanocrystals Showing Superior Photoluminescence: Nonstoichiometry Induced Transformation and Light-Emitting Applications. *Advanced Functional Materials*, **2018**, 28, 1706567	15.6	205
218	Single Source Precursor Chemical Vapor Decomposition Method to Fabricate Stable, Bright Emissive Aluminum Hydroxide Phosphors for UV-Pumped White Light-Emitting Devices. *Advanced Optical Materials*, **2018**, 6, 1701115	8.1	7
217	Bound magnetic polaron in Zn-rich cobalt-doped ZnSe nanowires. *Nanotechnology*, **2018**, 29, 055707	3.4	14
216	The aggregation of Fe and their d-d radiative transitions in ZnSe:Fe nanobelts by CVD growth.. *RSC Advances*, **2018**, 8, 3133-3139	3.7	8
215	Pyridine-Modulated Mn Ion Emission Properties of C10H12N2MnBr4 and C5H6NMnBr3 Single Crystals. *Journal of Physical Chemistry C*, **2018**, 122, 3130-3137	3.8	49
214	Transmission and correlation of a two-photon pulse in a one-dimensional waveguide coupled with quantum emitters. *Physical Review A*, **2018**, 97,	2.6	6
213	PEDOT:PSS Modification by blending graphene oxide to improve the efficiency of organic solar cells. *Polymer Composites*, **2018**, 39, 3066-3072	3	7

212	Accuracy enhancement of laser induced breakdown spectroscopy by safely low-power discharge. *Optics Express*, **2018**, 26, 13973-13984	3.3	8
211	Template-Free Synthesis of High-Yield Fe-Doped Cesium Lead Halide Perovskite Ultralong Microwires with Enhanced Two-Photon Absorption. *Journal of Physical Chemistry Letters*, **2018**, 9, 4878-4885	6.4	51
210	Efficient Light-Emitting Diodes Based on in Situ Fabricated FAPbBr Nanocrystals: The Enhancing Role of the Ligand-Assisted Reprecipitation Process. *ACS Nano*, **2018**, 12, 8808-8816	16.7	183
209	Influence of the Post-Synthesis Annealing on Device Performance of PbS Quantum Dot Photoconductive Detectors. *Physica Status Solidi (A) Applications and Materials Science*, **2018**, 215, 1800408	1.6	2
208	Generation of optical vortices by exciton polaritons in pillar semiconductor microcavities. *Optics Express*, **2018**, 26, 22273-22283	3.3	7
207	Single microwave photon switch controlled by an external electrostatic field. *Physical Review A*, **2018**, 98,	2.6	5
206	The role of surfactant-treated graphene oxide in polymer solar cells: Mobility study. *Organic Electronics*, **2018**, 53, 303-307	3.5	6
205	The tunable bandgap effect of SnS films. *Journal of Physics Condensed Matter*, **2018**, 30, 465302	1.8	5
204	Surface polarons and optical micro-cavity modulated broad range multi-mode emission of Te-doped CdS nanowires. *Nanotechnology*, **2018**, 29, 465709	3.4	10
203	High-sensitivity broadband colloidal quantum dot heterojunction photodetector for night-sky radiation. *Journal of Alloys and Compounds*, **2018**, 764, 446-451	5.7	12
202	Colloidal Synthesis of CH NH PbBr Nanoplatelets with Polarized Emission through Self-Organization. *Angewandte Chemie - International Edition*, **2017**, 56, 1780-1783	16.4	79
201	Spin-exciton interaction and related micro-photoluminescence spectra of ZnSe:Mn DMS nanoribbon. *Nanotechnology*, **2017**, 28, 105202	3.4	22
200	PbS quantum dots based organic-inorganic hybrid infrared detecting and display devices. *Materials Letters*, **2017**, 196, 176-178	3.3	8
199	Ultrasensitive all-solution-processed field-effect transistor based perovskite photodetectors with sol-gel SiO2 as the dielectric layer. *Journal of Alloys and Compounds*, **2017**, 717, 150-155	5.7	15
198	Cavity-Enhanced Microphotoluminescence in a Core□Shell n□ CdS/CdO Micrometer Wire and Its Efficient Surface Photovoltage Responses in the Whole Visible Range. *Journal of Physical Chemistry C*, **2017**, 121, 14349-14358	3.8	6
197	Ligand-Controlled Formation and Photoluminescence Properties of CH3NH3PbBr3 Nanocubes and Nanowires. *ChemNanoMat*, **2017**, 3, 303-310	3.5	50
196	Optically programmable encoder based on light propagation in two-dimensional regular nanoplates. *Nanotechnology*, **2017**, 28, 145701	3.4	1
195	Surfactant-treated graphene oxide in organic solvents and its application in photovoltaic cells. *Current Applied Physics*, **2017**, 17, 343-350	2.6	11

194	Influence of post-synthesis annealing on PbS quantum dot solar cells. *Organic Electronics*, **2017**, 42, 309-315	3.5	18
193	Strong Polarized Photoluminescence from Stretched Perovskite-Nanocrystal-Embedded Polymer Composite Films. *Advanced Optical Materials*, **2017**, 5, 1700594	8.1	48
192	Novel Cd-CdS micro/nano heterostructures: Synthesis and luminescence properties. *Optical Materials*, **2017**, 73, 527-534	3.3	9
191	Alkylthiol-enabled Se powder dissolving for phosphine-free synthesis of highly emissive, large-sized and spherical Mn-doped ZnSeS nanocrystals. *RSC Advances*, **2017**, 7, 44867-44873	3.7	8
190	Large tunable luminescence by Mn(II) aggregates in Mn-doped ZnS nanobelts. *Journal of Materials Chemistry C*, **2017**, 5, 8749-8757	7.1	25
189	In situ TEM observation of novel chemical evolution of MnBr2 catalyzed by Cu under electron beam irradiation. *Chemical Physics Letters*, **2017**, 686, 44-48	2.5	4
188	Formation of Mn doped CH3NH3PbBr3perovskite microrods and their collective EMP lasing. *Journal of Physics Communications*, **2017**, 1, 055018	1.2	11
187	Enhanced performance of solution-processed broadband photodiodes by epitaxially blending MAPbBr quantum dots and ternary PbSSe quantum dots as the active layer. *Nanotechnology*, **2017**, 28, 505501	3.4	21
186	Mesoporous Aluminum Hydroxide Synthesized by a Single-Source Precursor-Decomposition Approach as a High-Quantum-Yield Blue Phosphor for UV-Pumped White-Light-Emitting Diodes. *Advanced Materials*, **2017**, 29, 1604284	24	43
185	Transparent WO 3 /Ag/WO 3 electrode for flexible organic solar cells. *Materials Letters*, **2017**, 188, 107-110	3.9	21
184	Tunable emission and conductivity enhancement by tellurium doping in CdS nanowires for optoelectronic applications. *Physica E: Low-Dimensional Systems and Nanostructures*, **2017**, 86, 81-87	3	10
183	Efficiency enhancement of organic solar cells by inserting PbS quantum dots film as the infrared absorption layer. *Materials Letters*, **2017**, 187, 136-139	3.3	9
182	Spin-Related Micro-Photoluminescence in Fe3+ Doped ZnSe Nanoribbons. *Applied Sciences (Switzerland)*, **2017**, 7, 39	2.6	9
181	In Situ Fabrication of Halide Perovskite Nanocrystal-Embedded Polymer Composite Films with Enhanced Photoluminescence for Display Backlights. *Advanced Materials*, **2016**, 28, 9163-9168	24	490
180	High performance solution-processed infrared photodiode based on ternary PbSxSe1⊠ colloidal quantum dots. *RSC Advances*, **2016**, 6, 87730-87737	3.7	23
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