

T C Sum

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.

291
papers

26,750
citations

75
h-index

159
g-index

319
ext. papers

30,081
ext. citations

10.6
avg, IF

7.23
L-index

#	Paper	IF	Citations
291	Spotlight on Hot Carriers in Halide Perovskite Luminescence. <i>ACS Energy Letters</i> , 2022 , 7, 749-756	20.1	1
290	Carrier, Spin, and Phonon Dynamics in Hybrid Organic-Inorganic Perovskites 2022 , 137-206		
289	The Halide Perovskite Gain Media. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 21-61	0.4	
288	Outlook and Conclusions. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 115-126	0.4	
287	Introduction: Fundamentals of Lasers. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 1-19	0.4	
286	Optical Gain Mechanisms and Fabrication of Perovskite Lasers. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 63-113	0.4	
285	Water-stable Perovskite Quantum Dots-based FRET Nanosensor for the Detection of Rhodamine 6G in Water, Food, and Biological Samples. <i>Microchemical Journal</i> , 2022 , 180, 107624	4.8	1
284	Spacer Cation Alloying in Ruddlesden-Popper Perovskites for Efficient Red Light-Emitting Diodes with Precisely Tunable Wavelengths. <i>Advanced Materials</i> , 2021 , 33, e2104381	24	11
283	Molecular design of two-dimensional perovskite cations for efficient energy cascade in perovskite light-emitting diodes. <i>Applied Physics Letters</i> , 2021 , 119, 154101	3.4	1
282	Precise Control of CsPbBr ₃ Perovskite Nanocrystal Growth at Room Temperature: Size Tunability and Synthetic Insights. <i>Chemistry of Materials</i> , 2021 , 33, 2387-2397	9.6	14
281	Room Temperature Light-Mediated Long-Range Coupling of Excitons in Perovskites. <i>Advanced Optical Materials</i> , 2021 , 9, 2001835	8.1	1
280	The photophysics of Ruddlesden-Popper perovskites: A tale of energy, charges, and spins. <i>Applied Physics Reviews</i> , 2021 , 8, 011318	17.3	9
279	Zone-Folded Longitudinal Acoustic Phonons Driving Self-Trapped State Emission in Colloidal CdSe Nanoplatelet Superlattices. <i>Nano Letters</i> , 2021 , 21, 4137-4144	11.5	5
278	Low-Threshold Lasing from Copper-Doped CdSe Colloidal Quantum Wells. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100034	8.3	6
277	Improving Photoelectrochemical Activity of ZnO/TiO ₂ Core-Shell Nanostructure through Ag Nanoparticle Integration. <i>Catalysts</i> , 2021 , 11, 911	4	2
276	Efficacious symmetry-adapted atomic displacement method for lattice dynamical studies. <i>Computer Physics Communications</i> , 2021 , 259, 107635	4.2	2
275	The Physics of Interlayer Exciton Delocalization in Ruddlesden-Popper Lead Halide Perovskites. <i>Nano Letters</i> , 2021 , 21, 405-413	11.5	12

274	Strong coupling and pressure engineering in WSe ₂ /MoSe ₂ heterobilayers. <i>Nature Physics</i> , 2021 , 17, 92-98	6.2	56
273	Composition-tuned MAPbBr nanoparticles with addition of Cs cations for improved photoluminescence. <i>RSC Advances</i> , 2021 , 11, 24137-24143	3.7	1
272	Room temperature synthesis of low-dimensional rubidium copper halide colloidal nanocrystals with near unity photoluminescence quantum yield. <i>Nanoscale</i> , 2021 , 13, 59-65	7.7	7
271	Origins of the long-range exciton diffusion in perovskite nanocrystal films: photon recycling vs exciton hopping. <i>Light: Science and Applications</i> , 2021 , 10, 2	16.7	27
270	Effect of alloying on the dynamics of coherent acoustic phonons in bismuth double perovskite single crystals. <i>Optics Express</i> , 2021 , 29, 7948-7955	3.3	2
269	Strong self-trapping by deformation potential limits photovoltaic performance in bismuth double perovskite. <i>Science Advances</i> , 2021 , 7,	14.3	30
268	Electronic States Modulation by Coherent Optical Phonons in 2D Halide Perovskites. <i>Advanced Materials</i> , 2021 , 33, e2006233	24	9
267	Water-Stable All-Inorganic Perovskite Nanocrystals with Nonlinear Optical Properties for Targeted Multiphoton Bioimaging. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9022-9033	5.6	6
266	Pseudo-magnetic field-induced slow carrier dynamics in periodically strained graphene. <i>Nature Communications</i> , 2021 , 12, 5087	17.4	3
265	One-Pot Synthesis and Structural Evolution of Colloidal Cesium Lead Halide-Lead Sulfide Heterostructure Nanocrystals for Optoelectronic Applications. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 9569-9578	6.4	2
264	The Bright Side and Dark Side of Hybrid Organic-Inorganic Perovskites. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 27340-27355	3.8	1
263	Hot carriers perspective on the nature of traps in perovskites. <i>Nature Communications</i> , 2020 , 11, 2712	17.4	34
262	Hot Carriers in Halide Perovskites: How Hot Truly?. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 2743-2750	17.0	16
261	Quo vadis, perovskite emitters?. <i>Journal of Chemical Physics</i> , 2020 , 152, 130901	3.9	11
260	Sub-single exciton optical gain threshold in colloidal semiconductor quantum wells with gradient alloy shelling. <i>Nature Communications</i> , 2020 , 11, 3305	17.4	23
259	In Situ Growth of [hk1]-Oriented Sb ₂ S ₃ for Solution-Processed Planar Heterojunction Solar Cell with 6.4% Efficiency. <i>Advanced Functional Materials</i> , 2020 , 30, 2002887	15.6	42
258	Excitons in 2D perovskites for ultrafast terahertz photonic devices. <i>Science Advances</i> , 2020 , 6, eaax8821	14.3	53
257	Coupling halide perovskites with different materials: From doping to nanocomposites, beyond photovoltaics. <i>Progress in Materials Science</i> , 2020 , 110, 100639	42.2	27

256	Heavy Water Additive in Formamidinium: A Novel Approach to Enhance Perovskite Solar Cell Efficiency. <i>Advanced Materials</i> , 2020 , 32, e1907864	24	34
255	Targeted Synthesis of Trimeric OrganicBromoplumbate Hybrids That Display Intrinsic, Highly Stokes-Shifted, Broadband Emission. <i>Chemistry of Materials</i> , 2020 , 32, 4431-4441	9.6	14
254	Highly Efficient Thermally Co-evaporated Perovskite Solar Cells and Mini-modules. <i>Joule</i> , 2020 , 4, 1035-1058	10.3	145
253	Resolving Spectral Mismatch Errors for Perovskite Solar Cells in Commercial Class AAA Solar Simulators. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3782-3788	6.4	3
252	Interfacial Mechanism for Efficient Resistive Switching in Ruddlesden-Popper Perovskites for Non-volatile Memories. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 463-470	6.4	44
251	Inducing formation of a corrugated, white-light emitting 2D lead-bromide perovskite via subtle changes in templating cation. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 889-893	7.1	26
250	White Electroluminescence from Perovskite/Organic Heterojunction. <i>ACS Energy Letters</i> , 2020 , 5, 2690-2697	6.7	9
249	Design of 2D Templating Molecules for Mixed-Dimensional Perovskite Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2020 , 32, 8097-8105	9.6	12
248	Halide perovskite nanocrystals for multiphoton applications. <i>Dalton Transactions</i> , 2020 , 49, 15149-15160	4.3	2
247	Designing the Perovskite Structural Landscape for Efficient Blue Emission. <i>ACS Energy Letters</i> , 2020 , 5, 1593-1600	20.1	36
246	Electrically control amplified spontaneous emission in colloidal quantum dots. <i>Science Advances</i> , 2019 , 5, eaav3140	14.3	23
245	High-Quality Ruddlesden-Popper Perovskite Films Based on In Situ Formed Organic Spacer Cations. <i>Advanced Materials</i> , 2019 , 31, e1904243	24	27
244	Ferroelectricity and Rashba Effect in a Two-Dimensional Dion-Jacobson Hybrid Organic-Inorganic Perovskite. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15972-15976	16.4	65
243	Indirect tail states formation by thermal-induced polar fluctuations in halide perovskites. <i>Nature Communications</i> , 2019 , 10, 484	17.4	58
242	Cation influence on carrier dynamics in perovskite solar cells. <i>Nano Energy</i> , 2019 , 58, 604-611	17.1	56
241	Correlation of recombination and open circuit voltage in planar heterojunction perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 1273-1279	7.1	18
240	Completely Solvent-free Protocols to Access Phase-Pure, Metastable Metal Halide Perovskites and Functional Photodetectors from the Precursor Salts. <i>iScience</i> , 2019 , 16, 312-325	6.1	46
239	Role of Water in Suppressing Recombination Pathways in CHNHPbI Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25474-25482	9.5	21

238	Solution-Processed Lead Iodide for Ultrafast All-Optical Switching of Terahertz Photonic Devices. <i>Advanced Materials</i> , 2019 , 31, e1901455	24	48
237	Stable, High-Sensitivity and Fast-Response Photodetectors Based on Lead-Free Cs ₂ AgBiBr ₆ Double Perovskite Films. <i>Advanced Optical Materials</i> , 2019 , 7, 1801732	8.1	77
236	Upconversion amplification through dielectric superlensing modulation. <i>Nature Communications</i> , 2019 , 10, 1391	17.4	76
235	Simultaneously boost diffusion length and stability of perovskite for high performance solar cells. <i>Nano Energy</i> , 2019 , 59, 721-729	17.1	21
234	Tunable Ferroelectricity in Ruddlesden-Popper Halide Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13523-13532	9.5	23
233	Stable Sn doped FAPbI nanocrystals for near-infrared LEDs. <i>Chemical Communications</i> , 2019 , 55, 5451-5458	5.8	13
232	Mesoporous SiO ₂ /BiVO ₄ /CuO nanospheres for Z-scheme, visible light aerobic C ₂ H ₄ coupling and dehydrogenation. <i>Applied Materials Today</i> , 2019 , 15, 192-202	6.6	21
231	Localized Traps Limited Recombination in Lead Bromide Perovskites. <i>Advanced Energy Materials</i> , 2019 , 9, 1803119	21.8	17
230	Role of Electron-Phonon Coupling in the Thermal Evolution of Bulk Rashba-Like Spin-Split Lead Halide Perovskites Exhibiting Dual-Band Photoluminescence. <i>ACS Energy Letters</i> , 2019 , 4, 2205-2212	20.1	31
229	Ultrafast long-range spin-funneling in solution-processed Ruddlesden-Popper halide perovskites. <i>Nature Communications</i> , 2019 , 10, 3456	17.4	22
228	Room temperature continuous-wave excited biexciton emission in perovskite nanoplatelets via plasmonic nonlinear fano resonance. <i>Communications Physics</i> , 2019 , 2,	5.4	22
227	Ultrathin Highly Luminescent Two-Monolayer Colloidal CdSe Nanoplatelets. <i>Advanced Functional Materials</i> , 2019 , 29, 1901028	15.6	40
226	Cesium Copper Iodide Tailored Nanoplates and Nanorods for Blue, Yellow, and White Emission. <i>Chemistry of Materials</i> , 2019 , 31, 9003-9011	9.6	65
225	Slow Hot-Carrier Cooling in Halide Perovskites: Prospects for Hot-Carrier Solar Cells. <i>Advanced Materials</i> , 2019 , 31, e1802486	24	104
224	Hot carrier extraction in CH ₃ NH ₃ PbI ₃ unveiled by pump-push-probe spectroscopy. <i>Science Advances</i> , 2019 , 5, eaax3620	14.3	37
223	Pressure-Engineered Structural and Optical Properties of Two-Dimensional (CH ₃ NH ₃)PbI ₃ Perovskite Exfoliated nm-Thin Flakes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1235-1241	16.4	61
222	Enhanced Photovoltaic Performance and Thermal Stability of CH ₃ NH ₃ PbI ₃ Perovskite through Lattice Symmetrization. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 740-746	9.5	13
221	Critical role of chloride in organic ammonium spacer on the performance of Low-dimensional Ruddlesden-Popper perovskite solar cells. <i>Nano Energy</i> , 2019 , 56, 373-381	17.1	36

220	Hydrophobic Metal Halide Perovskites for Visible-Light Photoredox C-I Bond Cleavage and Dehydrogenation Catalysis. <i>Angewandte Chemie</i> , 2019 , 131, 3494-3498	3.6	14
219	Hydrophobic Metal Halide Perovskites for Visible-Light Photoredox C-C Bond Cleavage and Dehydrogenation Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3456-3460	16.4	62
218	Ultrahigh-efficiency aqueous flat nanocrystals of CdSe/CdS@CdZnS colloidal core/crown@alloyed-shell quantum wells. <i>Nanoscale</i> , 2018 , 11, 301-310	7.7	36
217	Low-threshold lasing from colloidal CdSe/CdSeTe core/alloyed-crown type-II heteronanostructure. <i>Nanoscale</i> , 2018 , 10, 9466-9475	7.7	33
216	Solution-Processed Cd-Substituted CZTS Photocathode for Efficient Solar Hydrogen Evolution from Neutral Water. <i>Joule</i> , 2018 , 2, 537-548	27.8	74
215	Limitations of CsBiI ₃ as Lead-Free Photovoltaic Absorber Materials. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35000-35007	9.5	85
214	Enhancing moisture tolerance in efficient hybrid 3D/2D perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2122-2128	13	123
213	Grain Size Modulation and Interfacial Engineering of CH ₃ NH ₃ PbBr Emitter Films through Incorporation of Tetraethylammonium Bromide. <i>ChemPhysChem</i> , 2018 , 19, 1075-1080	3.2	11
212	Enhanced Exciton and Photon Confinement in Ruddlesden-Popper Perovskite Microplatelets for Highly Stable Low-Threshold Polarized Lasing. <i>Advanced Materials</i> , 2018 , 30, e1707235	24	73
211	Long Electron-Hole Diffusion Length in High-Quality Lead-Free Double Perovskite Films. <i>Advanced Materials</i> , 2018 , 30, e1706246	24	175
210	Surface Rutilization of Anatase TiO ₂ for Efficient Electron Extraction and Stable P _{max} Output of Perovskite Solar Cells. <i>Chem</i> , 2018 , 4, 911-923	16.2	20
209	Feature issue introduction: halide perovskites for optoelectronics. <i>Optics Express</i> , 2018 , 26, A153-A156	3.3	6
208	Feature issue introduction: halide perovskites for optoelectronics. <i>Optical Materials Express</i> , 2018 , 8, 231	2.6	2
207	Simultaneous enhancement in charge separation and onset potential for water oxidation in a BiVO ₄ photoanode by W ^{VI} codoping. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16965-16974	13	22
206	Molecular Engineering toward Coexistence of Dielectric and Optical Switch Behavior in Hybrid Perovskite Phase Transition Material. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 6416-6423	2.8	15
205	Aligned and Graded Type-II Ruddlesden-Popper Perovskite Films for Efficient Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1800185	21.8	184
204	Coherent Spin and Quasiparticle Dynamics in Solution-Processed Layered 2D Lead Halide Perovskites. <i>Advanced Science</i> , 2018 , 5, 1800664	13.6	38
203	High-Pressure-Induced Comminution and Recrystallization of CH ₃ NH ₃ PbBr Nanocrystals as Large Thin Nanoplates. <i>Advanced Materials</i> , 2018 , 30, 1705017	24	73

202	High-Performance As-Cast Nonfullerene Polymer Solar Cells with Thicker Active Layer and Large Area Exceeding 11% Power Conversion Efficiency. <i>Advanced Materials</i> , 2018 , 30, 1704546	24	210
201	Excitronics in 2D Perovskites 2018 , 55-79		2
200	Working Principles of Perovskite Solar Cells 2018 , 81-99		1
199	The Photophysics of Halide Perovskite Solar Cells 2018 , 101-130		0
198	Beyond Methylammonium Lead Iodide Perovskite 2018 , 155-181		
197	Perovskite Light-Emitting Devices [Fundamentals and Working Principles 2018 , 199-221		
196	Toward Electrically Driven Perovskite Lasers [Prospects and Obstacles 2018 , 223-247		
195	Novel Spin Physics in Organic[thorganic Perovskites 2018 , 249-271		1
194	Perovskite Solar Cells for Photoelectrochemical Water Splitting and CO ₂ Reduction 2018 , 273-292		1
193	Low threshold and efficient multiple exciton generation in halide perovskite nanocrystals. <i>Nature Communications</i> , 2018 , 9, 4197	17.4	74
192	Superior Performance of Silver Bismuth Iodide Photovoltaics Fabricated via Dynamic Hot-Casting Method under Ambient Conditions. <i>Advanced Energy Materials</i> , 2018 , 8, 1802051	21.8	48
191	Elucidating Surface and Bulk Emission in 3D Hybrid Organic[thorganic Lead Bromide Perovskites. <i>Advanced Optical Materials</i> , 2018 , 6, 1800470	8.1	18
190	Inducing Isotropic Growth in Multidimensional Cesium Lead Halide Perovskite Nanocrystals. <i>ChemPlusChem</i> , 2018 , 83, 514-520	2.8	8
189	Doping and Switchable Photovoltaic Effect in Lead-Free Perovskites Enabled by Metal Cation Transmutation. <i>Advanced Materials</i> , 2018 , 30, e1802080	24	21
188	Understanding the effect of chlorobenzene and isopropanol anti-solvent treatments on the recombination and interfacial charge accumulation in efficient planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14307-14314	13	81
187	Efficient recycling of trapped energies for dual-emission in Mn-doped perovskite nanocrystals. <i>Nano Energy</i> , 2018 , 51, 704-710	17.1	43
186	Synergistic capacitive behavior between polyaniline and carbon black. <i>Electrochimica Acta</i> , 2017 , 230, 236-244	6.7	31
185	Transcending the slow bimolecular recombination in lead-halide perovskites for electroluminescence. <i>Nature Communications</i> , 2017 , 8, 14558	17.4	356

184	Temperature effect of the compact TiO ₂ layer in planar perovskite solar cells: An interfacial electrical, optical and carrier mobility study. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 163, 242-249	6.4	30
183	Slow cooling and highly efficient extraction of hot carriers in colloidal perovskite nanocrystals. <i>Nature Communications</i> , 2017 , 8, 14350	17.4	196
182	"Electron/Ion Sponge"-Like V-Based Polyoxometalate: Toward High-Performance Cathode for Rechargeable Sodium Ion Batteries. <i>ACS Nano</i> , 2017 , 11, 6911-6920	16.7	66
181	Giant five-photon absorption from multidimensional core-shell halide perovskite colloidal nanocrystals. <i>Nature Communications</i> , 2017 , 8, 15198	17.4	124
180	Perovskite as a Platform for Active Flexible Metaphotonic Devices. <i>ACS Photonics</i> , 2017 , 4, 1595-1601	6.3	62
179	Rapid Crystallization of All-Inorganic CsPbBr Perovskite for High-Brightness Light-Emitting Diodes. <i>ACS Omega</i> , 2017 , 2, 2757-2764	3.9	26
178	Hybrid Lead Halide Perovskites for Ultrasensitive Photoactive Switching in Terahertz Metamaterial Devices. <i>Advanced Materials</i> , 2017 , 29, 1605881	24	116
177	3R MoS with Broken Inversion Symmetry: A Promising Ultrathin Nonlinear Optical Device. <i>Advanced Materials</i> , 2017 , 29, 1701486	24	118
176	Facile Method to Reduce Surface Defects and Trap Densities in Perovskite Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21292-21297	9.5	54
175	Morphology-Independent Stable White-Light Emission from Self-Assembled Two-Dimensional Perovskites Driven by Strong Exciton-Phonon Coupling to the Organic Framework. <i>Chemistry of Materials</i> , 2017 , 29, 3947-3953	9.6	146
174	Long Minority-Carrier Diffusion Length and Low Surface-Recombination Velocity in Inorganic Lead-Free CsSnI ₃ Perovskite Crystal for Solar Cells. <i>Advanced Functional Materials</i> , 2017 , 27, 1604818	15.6	124
173	Chemical Vapor Deposition of Large-Size Monolayer MoSe Crystals on Molten Glass. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1073-1076	16.4	196
172	Al(2)O(3) Surface Complexation for Photocatalytic Organic Transformations. <i>Journal of the American Chemical Society</i> , 2017 , 139, 269-276	16.4	55
171	Evolution of hydrogen by few-layered black phosphorus under visible illumination. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24874-24879	13	37
170	Wavelength Tunable Plasmonic Lasers Based on Intrinsic Self-Absorption of Gain Material. <i>ACS Photonics</i> , 2017 , 4, 2789-2796	6.3	21
169	High-Q plasmonic infrared absorber for sensing of molecular resonances in hybrid lead halide perovskites. <i>Journal of Applied Physics</i> , 2017 , 122, 073101	2.5	14
168	Modulating Excitonic Recombination Effects through One-Step Synthesis of Perovskite Nanoparticles for Light-Emitting Diodes. <i>ChemSusChem</i> , 2017 , 10, 3818-3824	8.3	12
167	Plasmonic enhanced photoelectrochemical and photocatalytic performances of 1D coaxial Ag@Ag ₂ S hybrids. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21570-21578	13	33

166	Investigating the feasibility of symmetric guanidinium based plumbate perovskites in prototype solar cell devices. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 08MC05	1.4	13
165	Broadband-Emitting 2 D Hybrid Organic-Inorganic Perovskite Based on Cyclohexane-bis(methylamonium) Cation. <i>ChemSusChem</i> , 2017 , 10, 3765-3772	8.3	59
164	Benzyl Alcohol-Treated CHNHPbBr Nanocrystals Exhibiting High Luminescence, Stability, and Ultralow Amplified Spontaneous Emission Thresholds. <i>Nano Letters</i> , 2017 , 17, 7424-7432	11.5	85
163	Two-Photon Optical Properties in Individual OrganicInorganic Perovskite Microplates. <i>Advanced Optical Materials</i> , 2017 , 5, 1700809	8.1	25
162	Hot carrier cooling mechanisms in halide perovskites. <i>Nature Communications</i> , 2017 , 8, 1300	17.4	233
161	New insight into the roles of oxygen vacancies in hematite for solar water splitting. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 1074-1082	3.6	59
160	Plasmonic Organic Solar Cells. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 ,	0.4	3
159	Plasmonic Entities within the Charge Transporting Layer. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 , 47-80	0.4	
158	Plasmonic Entities within the Active Layer. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 , 81-100.	0.4	
157	Effectiveness of External Electric Field Treatment of Conjugated Polymers in Bulk-Heterojunction Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32282-32291	9.5	19
156	High-Quality Whispering-Gallery-Mode Lasing from Cesium Lead Halide Perovskite Nanoplatelets. <i>Advanced Functional Materials</i> , 2016 , 26, 6238-6245	15.6	406
155	Solution-Processed Tin-Based Perovskite for Near-Infrared Lasing. <i>Advanced Materials</i> , 2016 , 28, 8191-8196	12.6	174
154	Tunable room-temperature spin-selective optical Stark effect in solution-processed layered halide perovskites. <i>Science Advances</i> , 2016 , 2, e1600477	14.3	78
153	A large area (70 cm ²) monolithic perovskite solar module with a high efficiency and stability. <i>Energy and Environmental Science</i> , 2016 , 9, 3687-3692	35.4	187
152	High brightness formamidinium lead bromide perovskite nanocrystal light emitting devices. <i>Scientific Reports</i> , 2016 , 6, 36733	4.9	103
151	Hierarchical Porous LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ Nano-/Micro Spherical Cathode Material: Minimized Cation Mixing and Improved Li(+) Mobility for Enhanced Electrochemical Performance. <i>Scientific Reports</i> , 2016 , 6, 25771	4.9	122
150	Solvent engineering for fast growth of centimetric high-quality CH ₃ NH ₃ PbI ₃ perovskite single crystals. <i>New Journal of Chemistry</i> , 2016 , 40, 7261-7264	3.6	17
149	Modulating carrier dynamics through perovskite film engineering. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27119-27123	3.6	26

148	Achieving Ultrafast Hole Transfer at the Monolayer MoS ₂ and CH ₃ NH ₃ PbI ₃ Perovskite Interface by Defect Engineering. <i>ACS Nano</i> , 2016 , 10, 6383-91	16.7	90
147	Prolonged Electron Lifetime in Ordered TiO ₂ Mesophyll Cell-Like Microspheres for Efficient Photocatalytic Water Reduction and Oxidation. <i>Small</i> , 2016 , 12, 2291-9	11	45
146	Origin of Photocarrier Losses in Iron Pyrite (FeS ₂) Nanocubes. <i>ACS Nano</i> , 2016 , 10, 4431-40	16.7	52
145	A Photonic Crystal Laser from Solution Based Organo-Lead Iodide Perovskite Thin Films. <i>ACS Nano</i> , 2016 , 10, 3959-67	16.7	188
144	Spectral Features and Charge Dynamics of Lead Halide Perovskites: Origins and Interpretations. <i>Accounts of Chemical Research</i> , 2016 , 49, 294-302	24.3	116
143	Carbon nanotubes as an efficient hole collector for high voltage methylammonium lead bromide perovskite solar cells. <i>Nanoscale</i> , 2016 , 8, 6352-60	7.7	76
142	Green Stimulated Emission Boosted by Nonradiative Resonant Energy Transfer from Blue Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2772-8	6.4	11
141	Phonon-Assisted Anti-Stokes Lasing in ZnTe Nanoribbons. <i>Advanced Materials</i> , 2016 , 28, 276-83	24	25
140	Synthesis and Characterization of Mn:ZnSe/ZnS/ZnMnS Sandwiched QDs for Multimodal Imaging and Theranostic Applications. <i>Small</i> , 2016 , 12, 534-46	11	30
139	Discerning the Surface and Bulk Recombination Kinetics of Organic-Inorganic Halide Perovskite Single Crystals. <i>Advanced Energy Materials</i> , 2016 , 6, 1600551	21.8	214
138	Perovskite Materials for Light-Emitting Diodes and Lasers. <i>Advanced Materials</i> , 2016 , 28, 6804-34	24	946
137	Dominant factors limiting the optical gain in layered two-dimensional halide perovskite thin films. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 14701-8	3.6	55
136	Hierarchically branched Fe ₂ O ₃ @TiO ₂ nanorod arrays for photoelectrochemical water splitting: facile synthesis and enhanced photoelectrochemical performance. <i>Nanoscale</i> , 2016 , 8, 11284-90	7.7	79
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