

Zheng Hong Lu

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.

201
papers

14,497
citations

56
h-index

118
g-index

208
ext. papers

17,147
ext. citations

11.1
avg, IF

6.6
L-index

#	Paper	IF	Citations
201	Improving bias-stress stability of p-type organic field-effect transistors by suppressing electron injection. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 3726	2.1	0
200	Measuring Energy Gaps of Organic Semiconductors by Electron Energy Loss Spectroscopies. <i>Physica Status Solidi (B): Basic Research</i> , 2022 , 259, 2100459	1.3	3
199	Ytterbium oxide electron injection interface in organic light-emitting diode. <i>Applied Physics Letters</i> , 2022 , 120, 121101	3.4	0
198	Hydrothermally carbonized xylem sap for use in chemosensors, on and off switches, and memory devices. <i>Energy Reports</i> , 2022 , 8, 3213-3220	4.6	0
197	Manipulating Electronic Processes at Organic Heterojunctions for Ultralow-Voltage OLEDs 2022 , 255-275		
196	Distribution control enables efficient reduced-dimensional perovskite LEDs. <i>Nature</i> , 2021 , 599, 594-598	50.4	81
195	Impact of Dopants on Charge Transport across Organic/Organic Semiconductor Junctions. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 23457-23462	3.8	
194	All-Inorganic Quantum-Dot LEDs Based on a Phase-Stabilized CsPbI_3 Perovskite. <i>Angewandte Chemie</i> , 2021 , 133, 16300-16306	3.6	1
193	All-Inorganic Quantum-Dot LEDs Based on a Phase-Stabilized CsPbI_3 Perovskite. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16164-16170	16.4	59
192	Recent Progress on Perovskite Surfaces and Interfaces in Optoelectronic Devices. <i>Advanced Materials</i> , 2021 , 33, e2006004	24	30
191	Molecular orientation and thermal stability of thin-film organic semiconductors. <i>Organic Electronics</i> , 2021 , 88, 106014	3.5	5
190	An Electroactive Pure Organic Room-Temperature Phosphorescence Polymer Based on a Donor-Oxygen-Acceptor Geometry. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2455-2463	16.4	23
189	Interface Engineering in Organic Electronics: Energy-Level Alignment and Charge Transport. <i>Small Science</i> , 2021 , 1, 2000015		17
188	An Electroactive Pure Organic Room-Temperature Phosphorescence Polymer Based on a Donor-Oxygen-Acceptor Geometry. <i>Angewandte Chemie</i> , 2021 , 133, 2485-2493	3.6	2
187	Review and perspective of materials for flexible solar cells. <i>Materials Reports Energy</i> , 2021 , 1, 100001		15
186	Enhanced CO Photocatalysis by Indium Oxide Hydroxide Supported on TiN@TiO Nanotubes. <i>Nano Letters</i> , 2021 , 21, 1311-1319	11.5	11
185	Molecular engineering of In_2O_3 and TiO_2 peripherally tri-halogenated substituted boron subphthalocyanines as mixed alloys to control physical and electrochemical properties for organic photovoltaic applications. <i>Molecular Systems Design and Engineering</i> , 2021 , 6, 308-326	4.6	0

184	Thermally Stable Charge Transport Materials for Vapor-Phase Fabrication of Perovskite Devices. <i>Advanced Photonics Research</i> , 2021 , 2, 2000140	1.9	1
183	Strain analysis and engineering in halide perovskite photovoltaics. <i>Nature Materials</i> , 2021 , 20, 1337-1346	6.7	51
182	Bright and Stable Light-Emitting Diodes Based on Perovskite Quantum Dots in Perovskite Matrix. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15606-15615	16.4	22
181	Control Over Ligand Exchange Reactivity in Hole Transport Layer Enables High-Efficiency Colloidal Quantum Dot Solar Cells. <i>ACS Energy Letters</i> , 2021 , 6, 468-476	20.1	14
180	Extraordinary Mass Transport and Self-Assembly: A Pathway to Fabricate Luminescent CsPbBr ₃ and Light-Emitting Diodes by Vapor-Phase Deposition. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000506	4.6	10
179	Multiple Self-Trapped Emissions in the Lead-Free Halide CsCuI. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 4326-4330	6.4	40
178	Effect of Ag cathode deposition rate on the performance of organic light-emitting diodes. <i>Materials Science in Semiconductor Processing</i> , 2020 , 117, 105170	4.3	1
177	Stable, Bromine-Free, Tetragonal Perovskites with 1.7 eV Bandgaps via A-Site Cation Substitution 2020 , 2, 869-872		9
176	Colloidal Quantum Dot Bulk Heterojunction Solids with Near-Unity Charge Extraction Efficiency. <i>Advanced Science</i> , 2020 , 7, 2000894	13.6	10
175	A Chemically Orthogonal Hole Transport Layer for Efficient Colloidal Quantum Dot Solar Cells. <i>Advanced Materials</i> , 2020 , 32, e1906199	24	38
174	Chloride Insertion-Immobilization Enables Bright, Narrowband, and Stable Blue-Emitting Perovskite Diodes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5126-5134	16.4	61
173	Bipolar-shell resurfacing for blue LEDs based on strongly confined perovskite quantum dots. <i>Nature Nanotechnology</i> , 2020 , 15, 668-674	28.7	281
172	High Color Purity Lead-Free Perovskite Light-Emitting Diodes via Sn Stabilization. <i>Advanced Science</i> , 2020 , 7, 1903213	13.6	85
171	Chlorine Vacancy Passivation in Mixed Halide Perovskite Quantum Dots by Organic Pseudohalides Enables Efficient Rec. 2020 Blue Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2020 , 5, 793-798	20.1	100
170	Charge-Transport Processes in Host-Dopant Organic Semiconductors. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901147	6.4	4
169	Managing grains and interfaces via ligand anchoring enables 22.3%-efficiency inverted perovskite solar cells. <i>Nature Energy</i> , 2020 , 5, 131-140	62.3	552
168	Efficient near-infrared light-emitting diodes based on quantum dots in layered perovskite. <i>Nature Photonics</i> , 2020 , 14, 227-233	33.9	91
167	Low-Temperature Aging Provides 22% Efficient Bromine-Free and Passivation Layer-Free Planar Perovskite Solar Cells. <i>Nano-Micro Letters</i> , 2020 , 12, 84	19.5	20

166	Ligand-Assisted Reconstruction of Colloidal Quantum Dots Decreases Trap State Density. <i>Nano Letters</i> , 2020 , 20, 3694-3702	11.5	27
165	Low-Dimensional Contact Layers for Enhanced Perovskite Photodiodes. <i>Advanced Functional Materials</i> , 2020 , 30, 2001692	15.6	15
164	Optical design of connecting electrodes for tandem organic light-emitting diodes. <i>Optics Letters</i> , 2020 , 45, 3561-3564	3	3
163	Highly Conductive and Wettable PEDOT:PSS for Simple and Efficient Organic/c-Si Planar Heterojunction Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 1900513	7.1	6
162	Determination of emitting dipole orientation in organic light emitting diodes. <i>Organic Electronics</i> , 2020 , 78, 105611	3.5	3
161	Edge stabilization in reduced-dimensional perovskites. <i>Nature Communications</i> , 2020 , 11, 170	17.4	79
160	Bright high-colour-purity deep-blue carbon dot light-emitting diodes via efficient edge amination. <i>Nature Photonics</i> , 2020 , 14, 171-176	33.9	144
159	Color-pure red light-emitting diodes based on two-dimensional lead-free perovskites. <i>Science Advances</i> , 2020 , 6,	14.3	52
158	Chelating-agent-assisted control of CsPbBr quantum well growth enables stable blue perovskite emitters. <i>Nature Communications</i> , 2020 , 11, 3674	17.4	45
157	Energy Levels of Molecular Dopants in Organic Semiconductors. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000720	4.6	1
156	Plasmonic Titanium Nitride Facilitates Indium Oxide CO Photocatalysis. <i>Small</i> , 2020 , 16, e2005754	11	12
155	Colloidal Quantum Dot Solar Cell Band Alignment using Two-Step Ionic Doping 2020 , 2, 1583-1589		6
154	Improving Bias-Stress Stability of p-Type Organic Field-Effect Transistors by Constructing an Electron Injection Barrier at the Drain Electrode/Semiconductor Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41886-41895	9.5	7
153	Deep-blue organic light-emitting diodes based on a doublet - transition cerium(III) complex with 100% exciton utilization efficiency. <i>Light: Science and Applications</i> , 2020 , 9, 157	16.7	17
152	Reaction and Energy Levels at Oxide/Oxide Heterojunction Interfaces. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901456	4.6	3
151	Zwitterions for Organic/Perovskite Solar Cells, Light-Emitting Devices, and Lithium Ion Batteries: Recent Progress and Perspectives. <i>Advanced Energy Materials</i> , 2019 , 9, 1803354	21.8	41
150	Outdoor Stability of Chloro(Chloro)nBoron Subnaphthalocyanine and ChloroBoron Subphthalocyanine as Electron Acceptors in Bilayer and Trilayer Organic Photovoltaics. <i>ACS Applied Energy Materials</i> , 2019 , 2, 979-986	6.1	9
149	Future Perspectives and Review on Organic Carbon Dots in Electronic Applications. <i>ACS Nano</i> , 2019 , 13, 6224-6255	16.7	149

148	Ligand cleavage enables formation of 1,2-ethanedithiol capped colloidal quantum dot solids. <i>Nanoscale</i> , 2019 , 11, 10774-10781	7.7	12
147	Cu(0)-RDRP as an efficient and low-cost synthetic route to blue-emissive polymers for OLEDs. <i>Polymer Chemistry</i> , 2019 , 10, 3288-3297	4.9	15
146	Naphthyridine-based emitters simultaneously exhibiting thermally activated delayed fluorescence and aggregation-induced emission for highly efficient non-doped fluorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6607-6615	7.1	22
145	Construction of High-Quality Cu(I) Complex-Based WOLEDs with Dual Emissive Layers Achieved by an On-and-Off Deposition Strategy. <i>Advanced Optical Materials</i> , 2019 , 7, 1801612	8.1	4
144	Exciton-triggered luminance degradation of organic light-emitting diodes. <i>Organic Electronics</i> , 2019 , 69, 160-163	3.5	7
143	Straightforward and Relatively Safe Process for the Fluoride Exchange of Trivalent and Tetravalent Group 13 and 14 Phthalocyanines. <i>ACS Omega</i> , 2019 , 4, 5317-5326	3.9	8
142	Highly efficient top-emission organic light-emitting diode on an oxidized aluminum anode. <i>Journal of Applied Physics</i> , 2019 , 125, 145501	2.5	4
141	In Situ Back-Contact Passivation Improves Photovoltage and Fill Factor in Perovskite Solar Cells. <i>Advanced Materials</i> , 2019 , 31, e1807435	24	112
140	Multifunctional Thermally Activated Delayed Fluorescence Emitters and Insight into Multicolor-Mechanochromism Promoted by Weak Intra- and Intermolecular Interactions. <i>Advanced Optical Materials</i> , 2019 , 7, 1900727	8.1	42
139	Thermal unequilibrium of strained black CsPbI thin films. <i>Science</i> , 2019 , 365, 679-684	33.3	272
138	Accelerated solution-phase exchanges minimize defects in colloidal quantum dot solids. <i>Nano Energy</i> , 2019 , 63, 103876	17.1	6
137	Spectrally Tunable and Stable Electroluminescence Enabled by Rubidium Doping of CsPbBr ₃ Nanocrystals. <i>Advanced Optical Materials</i> , 2019 , 7, 1901440	8.1	31
136	Energy disorder and energy level alignment between host and dopant in organic semiconductors. <i>Communications Physics</i> , 2019 , 2,	5.4	17
135	Bluish-Green Cu(I) Dimers Chelated with Thiophene Ring-Introduced Diphosphine Ligands for Both Singlet and Triplet Harvesting in OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3262-3270	9.5	28
134	Bright colloidal quantum dot light-emitting diodes enabled by efficient chlorination. <i>Nature Photonics</i> , 2018 , 12, 159-164	33.9	206
133	Dual Ag electrodes for semitransparent organic light-emitting diodes. <i>Organic Electronics</i> , 2018 , 57, 98-103	3.3	4
132	Failure of Fermi Level in Referencing Chemical Shift of Molecules on Solid Surfaces. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800150	4.6	1
131	Deep Blue Phosphorescent Organic Light-Emitting Diodes with CIE _y Value of 0.11 and External Quantum Efficiency up to 22.5. <i>Advanced Materials</i> , 2018 , 30, e1705005	24	113

130	Ability To Fine-Tune the Electronic Properties and Open-Circuit Voltage of Phenoxy-Boron Subphthalocyanines through Meta-Fluorination of the Axial Substituent. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 1091-1102	3.8	17
129	Excitonic processes at organic heterojunctions. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018 , 61, 1	3.6	6
128	Excitonic Creation of Highly Luminescent Defects In Situ in Working Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018 , 6, 1700856	8.1	5
127	Efficient non-doped fluorescent OLEDs with nearly 6% external quantum efficiency and deep-blue emission approaching the blue standard enabled by quaterphenyl-based emitters. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4479-4484	7.1	14
126	Probing molecular orientations in thin films by x-ray photoelectron spectroscopy. <i>AIP Advances</i> , 2018 , 8, 035218	1.5	6
125	Integrated tandem device with photoactive layer for near-infrared to visible upconversion imaging. <i>Applied Physics Letters</i> , 2018 , 112, 243301	3.4	10
124	Heterojunction Energetics and Open-Circuit Voltages of Organic Photovoltaic Cells 2018 , 487-510		
123	Multibandgap quantum dot ensembles for solar-matched infrared energy harvesting. <i>Nature Communications</i> , 2018 , 9, 4003	17.4	39
122	Butylamine-Catalyzed Synthesis of Nanocrystal Inks Enables Efficient Infrared QD Solar Cells. <i>Advanced Materials</i> , 2018 , 30, e1803830	24	48
121	Nano-composites for enhanced catastrophic failure temperature of organic light-emitting diodes. <i>Applied Physics Letters</i> , 2018 , 113, 163301	3.4	3
120	Tailoring Mg:Ag functionalities for organic light-emitting diodes. <i>Organic Electronics</i> , 2018 , 63, 41-46	3.5	11
119	Color-stable highly luminescent sky-blue perovskite light-emitting diodes. <i>Nature Communications</i> , 2018 , 9, 3541	17.4	37 ^o
118	Activated Electron-Transport Layers for Infrared Quantum Dot Optoelectronics. <i>Advanced Materials</i> , 2018 , 30, e1801720	24	34
117	Glass transition temperatures in pure and composite organic thin-films. <i>Organic Electronics</i> , 2018 , 60, 45-50	3.5	9
116	De Novo Design of Excited-State Intramolecular Proton Transfer Emitters via a Thermally Activated Delayed Fluorescence Channel. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8877-8886	16.4	102
115	Efficient and stable solution-processed planar perovskite solar cells via contact passivation. <i>Science</i> , 2017 , 355, 722-726	33.3	1667
114	Quantifying Interdopant Exciton Processes in Organic Light Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3304-3309	3.8	5
113	Stacking multiple connecting functional materials in tandem organic light-emitting diodes. <i>Scientific Reports</i> , 2017 , 7, 43130	4.9	8

112	Disruptive and reactive interface formation of molybdenum trioxide on organometal trihalide perovskite. <i>Applied Physics Letters</i> , 2017 , 110, 081604	3.4	11
111	Mapping Energy Levels for Organic Heterojunctions. <i>Advanced Materials</i> , 2017 , 29, 1700414	24	24
110	Black Phase-Changing Cathodes for High-Contrast Organic Light-Emitting Diodes. <i>ACS Photonics</i> , 2017 , 4, 1316-1321	6.3	8
109	Oxy phosphorus tetrabenzotriazacorrole: firming up the chemical structure and identifying organic photovoltaic functionality to leverage its unique dual absorbance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10978-10985	13	7
108	Tailoring the Energy Landscape in Quasi-2D Halide Perovskites Enables Efficient Green-Light Emission. <i>Nano Letters</i> , 2017 , 17, 3701-3709	11.5	309
107	Highly Efficient Deep-Blue Electrophosphorescent Pt(II) Compounds with Non-Distorted Flat Geometry: Tetradentate versus Macrocyclic Chelate Ligands. <i>Advanced Functional Materials</i> , 2017 , 27, 1604318	15.6	38
106	Cellulose Nanocrystal:Polymer Hybrid Optical Diffusers for Index-Matching-Free Light Management in Optoelectronic Devices. <i>Advanced Optical Materials</i> , 2017 , 5, 1700430	8.1	33
105	Rational design of isophthalonitrile-based thermally activated delayed fluorescence emitters for OLEDs with high efficiency and slow efficiency roll-off. <i>Dyes and Pigments</i> , 2017 , 147, 350-356	4.6	9
104	Highly efficient red iridium(III) complexes cyclometalated by 4-phenylthieno[3,2-c]quinoline ligands for phosphorescent OLEDs with external quantum efficiencies over 20%. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10220-10224	7.1	43
103	On the Relationship Between Donor/Acceptor Interface Energy Levels and Open-Circuit Voltages. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700115	6.4	5
102	Chloride Passivation of ZnO Electrodes Improves Charge Extraction in Colloidal Quantum Dot Photovoltaics. <i>Advanced Materials</i> , 2017 , 29, 1702350	24	97
101	Chemically Addressable Perovskite Nanocrystals for Light-Emitting Applications. <i>Advanced Materials</i> , 2017 , 29, 1701153	24	106
100	Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO with High Activity and Tailored Selectivity. <i>Advanced Science</i> , 2017 , 4, 1700252	13.6	59
99	Novel Benzimidazole-Containing Heterocyclic Compounds: Synthesis, Physical Properties and OLED Application. <i>ChemistrySelect</i> , 2017 , 2, 11206-11210	1.8	7
98	Photothermal Catalysis: Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO ₂ with High Activity and Tailored Selectivity (Adv. Sci. 10/2017). <i>Advanced Science</i> , 2017 , 4,	13.6	1
97	Halogen-induced internal heavy-atom effect shortening the emissive lifetime and improving the fluorescence efficiency of thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12204-12210	7.1	51
96	Exciton dynamics of luminescent defects in aging organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2017 , 122, 245501	2.5	3
95	Donor-Appended N,C-Chelate Organoboron Compounds: Influence of Donor Strength on Photochromic Behaviour. <i>Chemistry - A European Journal</i> , 2016 , 22, 12464-72	4.8	38

94	Nonradiative Charge-Transfer Exciton Recombination at Organic Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 21325-21329	3.8	7
93	Highly Efficient Perovskite-Quantum-Dot Light-Emitting Diodes by Surface Engineering. <i>Advanced Materials</i> , 2016 , 28, 8718-8725	24	700
92	Long-Range Energy Transfer and Singlet-Exciton Migration in Working Organic Light-Emitting Diodes. <i>Physical Review Applied</i> , 2016 , 5,	4.3	13
91	Molecular Orientation and Energy Levels at Organic Interfaces. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600306	6.4	14
90	Interface Structure of MoO ₃ on Organic Semiconductors. <i>Scientific Reports</i> , 2016 , 6, 21109	4.9	56
89	Ultralow-voltage Auger-electron-stimulated organic light-emitting diodes. <i>Journal of Photonics for Energy</i> , 2016 , 6, 036001	1.2	9
88	Perovskite energy funnels for efficient light-emitting diodes. <i>Nature Nanotechnology</i> , 2016 , 11, 872-877	28.7	1484
87	ZnFe ₂ O ₄ Leaves Grown on TiO ₂ Trees Enhance Photoelectrochemical Water Splitting. <i>Small</i> , 2016 , 12, 3181-8	11	50
86	Tunable Excitonic Processes at Organic Heterojunctions. <i>Advanced Materials</i> , 2016 , 28, 649-54	24	31
85	Double-Sided Junctions Enable High-Performance Colloidal-Quantum-Dot Photovoltaics. <i>Advanced Materials</i> , 2016 , 28, 4142-8	24	100
84	Optimizing Optoelectronic Properties of Pyrimidine-Based TADF Emitters by Changing the Substituent for Organic Light-Emitting Diodes with External Quantum Efficiency Close to 25 % and Slow Efficiency Roll-Off. <i>Chemistry - A European Journal</i> , 2016 , 22, 10860-6	4.8	94
83	Tailoring Optoelectronic Properties of Phenanthroline-Based Thermally Activated Delayed Fluorescence Emitters through Isomer Engineering. <i>Advanced Optical Materials</i> , 2016 , 4, 1558-1566	8.1	45
82	The In-Gap Electronic State Spectrum of Methylammonium Lead Iodide Single-Crystal Perovskites. <i>Advanced Materials</i> , 2016 , 28, 3406-10	24	151
81	A multi-zoned white organic light-emitting diode with high CRI and low color temperature. <i>Scientific Reports</i> , 2016 , 6, 20517	4.9	23
80	Abnormal thin film structures in vapor-phase deposited methylammonium lead iodide perovskite. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016 , 34, 060601	2.9	6
79	The mixed alloyed chemical composition of chloro-(chloro)n-boron subnaphthalocyanines dictates their physical properties and performance in organic photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9566-9577	13	20
78	Characterization of Ir(x)-BsubPc)2 in Multiple Organic Photovoltaic Device Architectures: Comparing against and Combining with Cl-BsubPc. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24712-21	9.5	12
77	Asymmetric-triazine-cored triads as thermally activated delayed fluorescence emitters for high-efficiency yellow OLEDs with slow efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9998-10004	7.1	41

76	Boron Subphthalocyanines as Triplet Harvesting Materials within Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3121-5	6.4	41
75	Structural, optical, and electronic studies of wide-bandgap lead halide perovskites. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8839-8843	7.1	129
74	Red emissive organic light-emitting diodes based on codeposited inexpensive CuI complexes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5835-5843	7.1	16
73	Cubic structure of the mixed halide perovskite CH ₃ NH ₃ PbI _{3-x} Cl _x via thermal annealing. <i>RSC Advances</i> , 2015 , 5, 85480-85485	3.7	17
72	Polyethylenimine (PEI) As an Effective Dopant To Conveniently Convert Ambipolar and p-Type Polymers into Unipolar n-Type Polymers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18662-71	9.5	40
71	Exciton management for high brightness in organic light-emitting diodes. <i>Journal of Photonics for Energy</i> , 2015 , 5, 050998	1.2	1
70	Stability of organometal perovskites with organic overlayers. <i>AIP Advances</i> , 2015 , 5, 087185	1.5	10
69	Blue phosphorescent N-heterocyclic carbene chelated Pt(II) complexes with an β -diketonato ancillary ligand. <i>Dalton Transactions</i> , 2015 , 44, 8433-43	4.3	42
68	Auger-Electron-Stimulated Organic Electroluminescence at Ultralow Voltages Below the Energy Gap. <i>Physical Review Applied</i> , 2015 , 3,	4.3	11
67	In Situ Solid-State Generation of (BN) ₂ -Pyrenes and Electroluminescent Devices. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15074-8	16.4	90
66	Colloidal CdSe(1-x)S(x) Nanoplatelets with Narrow and Continuously-Tunable Electroluminescence. <i>Nano Letters</i> , 2015 , 15, 4611-5	11.5	100
65	The position and frequency of fluorine atoms changes the electron donor/acceptor properties of fluorophenoxy silicon phthalocyanines within organic photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24512-24524	13	37
64	Assessing the potential roles of silicon and germanium phthalocyanines in planar heterojunction organic photovoltaic devices and how pentafluoro phenoxylation can enhance π -interactions and device performance. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5076-88	9.5	48
63	From chloro to fluoro, expanding the role of aluminum phthalocyanine in organic photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5047-5053	13	22
62	CuPc:C60 nanocomposite: A pathway to control organic microstructure and phase transformation. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 545-552	1.3	4
61	Impact of lattice distortion and electron doping on β -MoO ₃ electronic structure. <i>Scientific Reports</i> , 2014 , 4, 7131	4.9	75
60	Bright Blue and White Electrophosphorescent Triarylboryl-Functionalized C ^N -Chelate Pt(II) Compounds: Impact of Intramolecular Hydrogen Bonds and Ancillary Ligands. <i>Advanced Functional Materials</i> , 2014 , 24, 1911-1927	15.6	70
59	High-Power-Efficiency Blue Electrophosphorescence Enabled by the Synergistic Combination of Phosphine-Oxide-Based Host and Electron-Transporting Materials. <i>Chemistry of Materials</i> , 2014 , 26, 1463-1470	9.6	63

58	Acceptor Properties of Boron Subphthalocyanines in Fullerene Free Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 14813-14823	3.8	58
57	Efficient orange-red phosphorescent organic light-emitting diodes using an in situ synthesized copper(I) complex as the emitter. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6333-6341	7.1	30
56	Exciton-stimulated molecular transformation in organic light-emitting diodes. <i>Advanced Materials</i> , 2014 , 26, 6729-33	24	19
55	Co-deposited Cu(I) Complex for Tri-layered Yellow and White Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2014 , 24, 5385-5392	15.6	32
54	Considerations for the physical vapor deposition of high molar mass organic compounds. <i>Vacuum</i> , 2014 , 109, 26-33	3.7	9
53	Organic Light-Emitting Diodes 2014 , 1-15		4
52	Highly Efficient and Robust Blue Phosphorescent Pt(II) Compounds with a Phenyl-1,2,3-triazolyl and a Pyridyl-1,2,4-triazolyl Chelate Core. <i>Advanced Functional Materials</i> , 2014 , 24, 7257-7271	15.6	40
51	Highly Efficient Greenish-Yellow Phosphorescent Organic Light-Emitting Diodes Based on Interzone Exciton Transfer. <i>Advanced Functional Materials</i> , 2013 , 23, 3204-3211	15.6	23
50	Thin-film metal oxides in organic semiconductor devices: their electronic structures, work functions and interfaces. <i>NPG Asia Materials</i> , 2013 , 5, e55-e55	10.3	248
49	The origin of the high work function of chlorinated indium tin oxide. <i>NPG Asia Materials</i> , 2013 , 5, e57-e57	10.3	28
48	Highly efficient blue phosphorescent and electroluminescent Ir(III) compounds. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 441-450	7.1	70
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