

# Zheng Hong Lu

## List of Publications by Citations

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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	Efficient and stable solution-processed planar perovskite solar cells via contact passivation. <i>Science</i> , <b>2017</b> , 355, 722-726	33.3	1667
200	Perovskite energy funnels for efficient light-emitting diodes. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 872-877	28.7	1484
199	Universal energy-level alignment of molecules on metal oxides. <i>Nature Materials</i> , <b>2011</b> , 11, 76-81	27	751
198	Highly Efficient Perovskite-Quantum-Dot Light-Emitting Diodes by Surface Engineering. <i>Advanced Materials</i> , <b>2016</b> , 28, 8718-8725	24	700
197	Transition Metal Oxide Work Functions: The Influence of Cation Oxidation State and Oxygen Vacancies. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4557-4568	15.6	562
196	Managing grains and interfaces via ligand anchoring enables 22.3%-efficiency inverted perovskite solar cells. <i>Nature Energy</i> , <b>2020</b> , 5, 131-140	62.3	552
195	Color-stable highly luminescent sky-blue perovskite light-emitting diodes. <i>Nature Communications</i> , <b>2018</b> , 9, 3541	17.4	370
194	Tailoring the Energy Landscape in Quasi-2D Halide Perovskites Enables Efficient Green-Light Emission. <i>Nano Letters</i> , <b>2017</b> , 17, 3701-3709	11.5	309
193	Bipolar-shell resurfacing for blue LEDs based on strongly confined perovskite quantum dots. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 668-674	28.7	281
192	Thermal nonequilibrium of strained black CsPbI <sub>3</sub> thin films. <i>Science</i> , <b>2019</b> , 365, 679-684	33.3	272
191	Metal/Metal-Oxide Interfaces: How Metal Contacts Affect the Work Function and Band Structure of MoO <sub>3</sub> . <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 215-226	15.6	257
190	Thin-film metal oxides in organic semiconductor devices: their electronic structures, work functions and interfaces. <i>NPG Asia Materials</i> , <b>2013</b> , 5, e55-e55	10.3	248
189	Highly efficient blue phosphorescence from triarylboron-functionalized platinum(II) complexes of N-heterocyclic carbenes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 13930-3	16.4	211
188	Bright colloidal quantum dot light-emitting diodes enabled by efficient chlorination. <i>Nature Photonics</i> , <b>2018</b> , 12, 159-164	33.9	206
187	Mes2B(p-4,4'-biphenyl-NPh(1-naphthyl)):A Multifunctional Molecule for Electroluminescent Devices. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 164-170	9.6	188
186	Highly Efficient Warm White Organic Light-Emitting Diodes by Triplet Exciton Conversion. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 705-712	15.6	154
185	The In-Gap Electronic State Spectrum of Methylammonium Lead Iodide Single-Crystal Perovskites. <i>Advanced Materials</i> , <b>2016</b> , 28, 3406-10	24	151

184	Future Perspectives and Review on Organic Carbon Dots in Electronic Applications. <i>ACS Nano</i> , <b>2019</b> , 13, 6224-6255	16.7	149
183	Effects of Processing Conditions on the Work Function and Energy-Level Alignment of NiO Thin Films. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 19777-19781	3.8	148
182	Bright high-colour-purity deep-blue carbon dot light-emitting diodes via efficient edge amination. <i>Nature Photonics</i> , <b>2020</b> , 14, 171-176	33.9	144
181	(1-Naphthyl)phenylamino functionalized three-coordinate organoboron compounds: syntheses, structures, and applications in OLEDs. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 3326		130
180	Structural, optical, and electronic studies of wide-bandgap lead halide perovskites. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8839-8843	7.1	129
179	Enhancing Phosphorescence and Electrophosphorescence Efficiency of Cyclometalated Pt(II) Compounds with Triarylboron. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3426-3439	15.6	129
178	Nanostructured magnetic thin films from organometallic block copolymers: pyrolysis of self-assembled polystyrene-block-poly(ferrocenylethylmethylsilane). <i>ACS Nano</i> , <b>2008</b> , 2, 263-70	16.7	119
177	Deep Blue Phosphorescent Organic Light-Emitting Diodes with CIEy Value of 0.11 and External Quantum Efficiency up to 22.5. <i>Advanced Materials</i> , <b>2018</b> , 30, e1705005	24	113
176	In Situ Back-Contact Passivation Improves Photovoltage and Fill Factor in Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807435	24	112
175	Chemically Addressable Perovskite Nanocrystals for Light-Emitting Applications. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701153	24	106
174	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> , <b>2018</b> , 140, 8877-8886	16.4	102
173	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> , <b>2020</b> , 5, 793-798	20.1	100
172	Double-Sided Junctions Enable High-Performance Colloidal-Quantum-Dot Photovoltaics. <i>Advanced Materials</i> , <b>2016</b> , 28, 4142-8	24	100
171	Colloidal CdSe(1-x)S(x) Nanoplatelets with Narrow and Continuously-Tunable Electroluminescence. <i>Nano Letters</i> , <b>2015</b> , 15, 4611-5	11.5	100
170	Chloride Passivation of ZnO Electrodes Improves Charge Extraction in Colloidal Quantum Dot Photovoltaics. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702350	24	97
169	Fluorinated Phenoxy Boron Subphthalocyanines in Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 1934-1944	9.5	97
168	N-heterocyclic carbazole-based hosts for simplified single-layer phosphorescent OLEDs with high efficiencies. <i>Advanced Materials</i> , <b>2012</b> , 24, 2922-8	24	95
167	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> , <b>2016</b> , 22, 10860-6	4.8	94

166	Efficient near-infrared light-emitting diodes based on quantum dots in layered perovskite. <i>Nature Photonics</i> , <b>2020</b> , 14, 227-233	33.9	91
165	In Situ Solid-State Generation of (BN) <sub>2</sub> -Pyrenes and Electroluminescent Devices. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15074-8	16.4	90
164	White Organic Light-Emitting Diodes for Solid-State Lighting. <i>Journal of Display Technology</i> , <b>2013</b> , 9, 459-468		86
163	High Color Purity Lead-Free Perovskite Light-Emitting Diodes via Sn Stabilization. <i>Advanced Science</i> , <b>2020</b> , 7, 1903213	13.6	85
162	Distribution control enables efficient reduced-dimensional perovskite LEDs. <i>Nature</i> , <b>2021</b> , 599, 594-598	50.4	81
161	Edge stabilization in reduced-dimensional perovskites. <i>Nature Communications</i> , <b>2020</b> , 11, 170	17.4	79
160	Impact of lattice distortion and electron doping on $\text{HfMoO}_3$ electronic structure. <i>Scientific Reports</i> , <b>2014</b> , 4, 7131	4.9	75
159	Poisoning of heterogeneous, late transition metal dehydrocoupling catalysts by boranes and other group 13 hydrides. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 5116-24	16.4	73
158	Bright Blue and White Electrophosphorescent Triarylboryl-Functionalized C <sup>N</sup> -Chelate Pt(II) Compounds: Impact of Intramolecular Hydrogen Bonds and Ancillary Ligands. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 1911-1927	15.6	70
157	Highly efficient blue phosphorescent and electroluminescent Ir(III) compounds. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 441-450	7.1	70
156	Ordered 2D arrays of ferromagnetic Fe/Co nanoparticle rings from a highly metallized metallopolymer precursor. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 1686		70
155	Highly efficient orange electrophosphorescence from a trifunctional organoboron-Pt(II) complex. <i>Chemical Communications</i> , <b>2011</b> , 47, 755-7	5.8	68
154	Bluish-green BMe <sub>2</sub> -functionalized Pt(II) complexes for high efficiency PhOLEDs: impact of the BMe <sub>2</sub> location on emission color. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 11306-16	4.8	64
153	High-Power-Efficiency Blue Electrophosphorescence Enabled by the Synergistic Combination of Phosphine-Oxide-Based Host and Electron-Transporting Materials. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 1463-1470	29.6	63
152	2,5-Functionalized Spiro-Bisoles as Highly Efficient Yellow-Light Emitters in Electroluminescent Devices. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 681-686	15.6	63
151	Chloride Insertion-Immobilization Enables Bright, Narrowband, and Stable Blue-Emitting Perovskite Diodes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5126-5134	16.4	61
150	Impact of the Linker on the Electronic and Luminescent Properties of Diboryl Compounds: Molecules with Two BMe <sub>2</sub> Groups and the Peculiar Behavior of 1,6-(BMe <sub>2</sub> ) <sub>2</sub> pyrene. <i>Organometallics</i> , <b>2008</b> , 27, 6446-6456	3.8	60
149	Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO with High Activity and Tailored Selectivity. <i>Advanced Science</i> , <b>2017</b> , 4, 1700252	13.6	59

148	All-Inorganic Quantum-Dot LEDs Based on a Phase-Stabilized $\text{HCsPbI}$ Perovskite. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16164-16170	16.4	59
147	Acceptor Properties of Boron Subphthalocyanines in Fullerene Free Photovoltaics. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 14813-14823	3.8	58
146	Interface Structure of $\text{MoO}_3$ on Organic Semiconductors. <i>Scientific Reports</i> , <b>2016</b> , 6, 21109	4.9	56
145	A Polyboryl-Functionalized Triazine as an Electron Transport Material for OLEDs. <i>Organometallics</i> , <b>2011</b> , 30, 5552-5555	3.8	54
144	Pentafluorophenoxy boron subphthalocyanine as a fluorescent dopant emitter in organic light emitting diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 3147-52	9.5	52
143	Pyrolysis of Highly Metallized Polymers: Ceramic Thin Films Containing Magnetic CoFe Alloy Nanoparticles from a Polyferrocenylsilane with Pendant Cobalt Clusters. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 2591-2601	9.6	52
142	Color-pure red light-emitting diodes based on two-dimensional lead-free perovskites. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	52
141	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> , <b>2017</b> , 5, 12204-12210	7.1	51
140	Strain analysis and engineering in halide perovskite photovoltaics. <i>Nature Materials</i> , <b>2021</b> , 20, 1337-1346	7	51
139	$\text{ZnFe}_2\text{O}_4$ Leaves Grown on $\text{TiO}_2$ Trees Enhance Photoelectrochemical Water Splitting. <i>Small</i> , <b>2016</b> , 12, 3181-8	11	50
138	Experimentally Validated Model for the Prediction of the HOMO and LUMO Energy Levels of Boronsubphthalocyanines. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 11709-11718	3.8	49
137	Assessing the potential roles of silicon and germanium phthalocyanines in planar heterojunction organic photovoltaic devices and how pentafluoro phenoxylation can enhance $\pi$ - $\pi$ interactions and device performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 5076-88	9.5	48
136	Butylamine-Catalyzed Synthesis of Nanocrystal Inks Enables Efficient Infrared CQD Solar Cells. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803830	24	48
135	Chelating-agent-assisted control of $\text{CsPbBr}$ quantum well growth enables stable blue perovskite emitters. <i>Nature Communications</i> , <b>2020</b> , 11, 3674	17.4	45
134	Tailoring Optoelectronic Properties of Phenanthroline-Based Thermally Activated Delayed Fluorescence Emitters through Isomer Engineering. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1558-1566	8.1	45
133	Phthalimido-boronsubphthalocyanines: new derivatives of boronsubphthalocyanine with bipolar electrochemistry and functionality in OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 3538-44	9.5	44
132	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> , <b>2017</b> , 5, 10220-10224	7.1	43
131	Blue phosphorescent N-heterocyclic carbene chelated Pt(II) complexes with an $\beta$ -diarylethanedione ancillary ligand. <i>Dalton Transactions</i> , <b>2015</b> , 44, 8433-43	4.3	42

130	Multifunctional Thermally Activated Delayed Fluorescence Emitters and Insight into Multicolor-Mechanochromism Promoted by Weak Intra- and Intermolecular Interactions. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900727	8.1	42
129	Oxidized gold thin films: an effective material for high-performance flexible organic optoelectronics. <i>Advanced Materials</i> , <b>2010</b> , 22, 2037-40	24	42
128	Zwitterions for Organic/Perovskite Solar Cells, Light-Emitting Devices, and Lithium Ion Batteries: Recent Progress and Perspectives. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803354	21.8	41
127	Boron Subphthalocyanines as Triplet Harvesting Materials within Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 3121-5	6.4	41
126	Blue organic light-emitting diodes based on Mes2B [p-4,4'-biphenyl-NPh(1-naphthyl)]. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 034509	2.5	41
125	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> , <b>2016</b> , 4, 9998-10004 <sup>41</sup>	7.1	41
124	Polyethylenimine (PEI) As an Effective Dopant To Conveniently Convert Ambipolar and p-Type Polymers into Unipolar n-Type Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18662-71	9.5	40
123	Multiple Self-Trapped Emissions in the Lead-Free Halide CsCuI. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 4326-4330	6.4	40
122	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> , <b>2014</b> , 24, 7257-7271	15.6	40
121	Multibandgap quantum dot ensembles for solar-matched infrared energy harvesting. <i>Nature Communications</i> , <b>2018</b> , 9, 4003	17.4	39
120	Highly Efficient Deep-Blue Electrophosphorescent Pt(II) Compounds with Non-Distorted Flat Geometry: Tetradentate versus Macrocyclic Chelate Ligands. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604318	15.6	38
119	A Chemically Orthogonal Hole Transport Layer for Efficient Colloidal Quantum Dot Solar Cells. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906199	24	38
118	Donor-Appended N,C-Chelate Organoboron Compounds: Influence of Donor Strength on Photochromic Behaviour. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 12464-72	4.8	38
117	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> , <b>2015</b> , 3, 24512-24524	13	37
116	Depleted-heterojunction colloidal quantum dot photovoltaics employing low-cost electrical contacts. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 023109	3.4	36
115	Hybrid organic/inorganic optical up-converter for pixel-less near-infrared imaging. <i>Advanced Materials</i> , <b>2012</b> , 24, 3138-42	24	35
114	Near-infrared inorganic/organic optical upconverter with an external power efficiency of >100%. <i>Advanced Materials</i> , <b>2010</b> , 22, 4900-4	24	35
113	Activated Electron-Transport Layers for Infrared Quantum Dot Optoelectronics. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801720	24	34

112	Cellulose Nanocrystal:Polymer Hybrid Optical Diffusers for Index-Matching-Free Light Management in Optoelectronic Devices. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700430	8.1	33
111	Co-deposited Cu(I) Complex for Tri-layered Yellow and White Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 5385-5392	15.6	32
110	Tunable Excitonic Processes at Organic Heterojunctions. <i>Advanced Materials</i> , <b>2016</b> , 28, 649-54	24	31
109	Spectrally Tunable and Stable Electroluminescence Enabled by Rubidium Doping of CsPbBr <sub>3</sub> Nanocrystals. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901440	8.1	31
108	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> , <b>2014</b> , 2, 6333-6341	7.1	30
107	Recent Progress on Perovskite Surfaces and Interfaces in Optoelectronic Devices. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006004	24	30
106	The origin of the high work function of chlorinated indium tin oxide. <i>NPG Asia Materials</i> , <b>2013</b> , 5, e57-e57	10.3	28
105	Charge Carrier Mobility in Fluorinated Phenoxy Boron Subphthalocyanines: Role of Solid State Packing. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 1095-1100	3.5	28
104	Bluish-Green Cu(I) Dimers Chelated with Thiophene Ring-Introduced Diphosphine Ligands for Both Singlet and Triplet Harvesting in OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 3262-3270	9.5	28
103	Ligand-Assisted Reconstruction of Colloidal Quantum Dots Decreases Trap State Density. <i>Nano Letters</i> , <b>2020</b> , 20, 3694-3702	11.5	27
102	Mapping Energy Levels for Organic Heterojunctions. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700414	24	24
101	Highly Efficient Greenish-Yellow Phosphorescent Organic Light-Emitting Diodes Based on Interzone Exciton Transfer. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 3204-3211	15.6	23
100	Band Alignment at Anode/Organic Interfaces for Highly Efficient Simplified Blue-Emitting Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 16746-16749	3.8	23
99	A multi-zoned white organic light-emitting diode with high CRI and low color temperature. <i>Scientific Reports</i> , <b>2016</b> , 6, 20517	4.9	23
98	An Electroactive Pure Organic Room-Temperature Phosphorescence Polymer Based on a Donor-Oxygen-Acceptor Geometry. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2455-2463	16.4	23
97	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> , <b>2019</b> , 7, 6607-6615	7.1	22
96	From chloro to fluoro, expanding the role of aluminum phthalocyanine in organic photovoltaic devices. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5047-5053	13	22
95	Bright and Stable Light-Emitting Diodes Based on Perovskite Quantum Dots in Perovskite Matrix. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 15606-15615	16.4	22

94	Low-Temperature Aging Provides 22% Efficient Bromine-Free and Passivation Layer-Free Planar Perovskite Solar Cells. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 84	19.5	20
93	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> , <b>2016</b> , 4, 9566-9577	13	20
92	Exciton-stimulated molecular transformation in organic light-emitting diodes. <i>Advanced Materials</i> , <b>2014</b> , 26, 6729-33	24	19
91	Enhanced efficiency in near-infrared inorganic/organic hybrid optical upconverter with an embedded mirror. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 103112	2.5	19
90	Cubic structure of the mixed halide perovskite CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3-x</sub> Cl <sub>x</sub> via thermal annealing. <i>RSC Advances</i> , <b>2015</b> , 5, 85480-85485	3.7	17
89	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> , <b>2018</b> , 122, 1091-1102	3.8	17
88	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> , <b>2020</b> , 9, 157	16.7	17
87	Energy disorder and energy level alignment between host and dopant in organic semiconductors. <i>Communications Physics</i> , <b>2019</b> , 2,	5.4	17
86	Interface Engineering in Organic Electronics: Energy-Level Alignment and Charge Transport. <i>Small Science</i> , <b>2021</b> , 1, 2000015		17
85	Red emissive organic light-emitting diodes based on codeposited inexpensive CuI complexes. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 5835-5843	7.1	16
84	Cu(0)-RDRP as an efficient and low-cost synthetic route to blue-emissive polymers for OLEDs. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 3288-3297	4.9	15
83	Low-Dimensional Contact Layers for Enhanced Perovskite Photodiodes. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001692	15.6	15
82	Review and perspective of materials for flexible solar cells. <i>Materials Reports Energy</i> , <b>2021</b> , 1, 100001		15
81	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> , <b>2018</b> , 6, 4479-4484	7.1	14
80	Molecular Orientation and Energy Levels at Organic Interfaces. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600306	6.4	14
79	Control Over Ligand Exchange Reactivity in Hole Transport Layer Enables High-Efficiency Colloidal Quantum Dot Solar Cells. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 468-476	20.1	14
78	Long-Range Energy Transfer and Singlet-Exciton Migration in Working Organic Light-Emitting Diodes. <i>Physical Review Applied</i> , <b>2016</b> , 5,	4.3	13
77	Ligand cleavage enables formation of 1,2-ethanedithiol capped colloidal quantum dot solids. <i>Nanoscale</i> , <b>2019</b> , 11, 10774-10781	7.7	12



76	Plasmonic Titanium Nitride Facilitates Indium Oxide CO Photocatalysis. <i>Small</i> , <b>2020</b> , 16, e2005754	11	12
75	Characterization of Bxo-(BsubPc) <sub>2</sub> in Multiple Organic Photovoltaic Device Architectures: Comparing against and Combining with Cl-BsubPc. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24712-21	9.5	12
74	Disruptive and reactive interface formation of molybdenum trioxide on organometal trihalide perovskite. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 081604	3.4	11
73	Auger-Electron-Stimulated Organic Electroluminescence at Ultralow Voltages Below the Energy Gap. <i>Physical Review Applied</i> , <b>2015</b> , 3,	4.3	11
72	Enhanced CO Photocatalysis by Indium Oxide Hydroxide Supported on TiN@TiO Nanotubes. <i>Nano Letters</i> , <b>2021</b> , 21, 1311-1319	11.5	11
71	Tailoring Mg:Ag functionalities for organic light-emitting diodes. <i>Organic Electronics</i> , <b>2018</b> , 63, 41-46	3.5	11
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