Zhaoxin Wu

List of Publications by Year
in descending order

261	9,682	30070 54	54911 84
papers	citations	h-index	g-index

265	265	265	10035
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stabilizing black-phase formamidinium perovskite formation at room temperature and high humidity. Science, 2021, 371, 1359-1364.	12.6	508
2	Defects in metal triiodide perovskite materials towards high-performance solar cells: origin, impact, characterization, and engineering. Chemical Society Reviews, 2018, 47, 4581-4610.	38.1	455
3	Highâ€Quality Cs₂AgBiBr₆ Double Perovskite Film for Leadâ€Free Inverted Planar Heterojunction Solar Cells with 2.2â€‰% Efficiency. ChemPhysChem, 2018, 19, 1696-1700.	2.1	306
4	Bilateral Interface Engineering toward Efficient 2Dâ€“3D Bulk Heterojunction Tin Halide Lead-Free Perovskite Solar Cells. ACS Energy Letters, 2018, 3, 713-721.	17.4	191
5	Conjugated Organic Cations Enable Efficient Self-Healing FASnI3 Solar Cells. Joule, 2019, 3, 3072-3087.	24.0	190
6	Solvent Engineering of the Precursor Solution toward Largeâ€Area Production of Perovskite Solar Cells. Advanced Materials, 2021, 33, e2005410.	21.0	182
7	Improved light absorption and charge transport for perovskite solar cells with rough interfaces by sequential deposition. Nanoscale, 2014, 6, 8171-8176.	5.6	172
8	Construction of Compact Methylammonium Bismuth Iodide Film Promoting Lead-Free Inverted Planar Heterojunction Organohalide Solar Cells with Open-Circuit Voltage over 0.8 V. Journal of Physical Chemistry Letters, 2017, 8, 394-400.	4.6	151
9	A Strategy for Architecture Design of Crystalline Perovskite Lightâ€Emitting Diodes with High Performance. Advanced Materials, 2018, 30, e1800251.	21.0	148
10	Facile one-pot synthesis of MoS₂ quantum dotsâ€“grapheneâ€“TiO₂ composites for highly enhanced photocatalytic properties. Chemical Communications, 2015, 51, 1709-1712.	4.1	144
11	Measurement of the collision time of dense electronic plasma induced by a femtosecond laser in fused silica. Optics Letters, 2005, 30, 320.	3.3	138
12	Multichannel Interdiffusion Driven FASnI₃ Film Formation Using Aqueous Hybrid Salt/Polymer Solutions toward Flexible Leadâ€Free Perovskite Solar Cells. Advanced Materials, 2017, 29, 1606964.	21.0	137
13	Charge Transport between Coupling Colloidal Perovskite Quantum Dots Assisted by Functional Conjugated Ligands. Angewandte Chemie - International Edition, 2018, 57, 5754-5758.	13.8	117
14	Robust Stability of Efficient Lead-Free Formamidinium Tin Iodide Perovskite Solar Cells Realized by Structural Regulation. Journal of Physical Chemistry Letters, 2018, 9, 6999-7006.	4.6	117
15	Management of perovskite intermediates for highly efficient inverted planar heterojunction perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 3193-3202.	10.3	113
16	Pseudohalideâ€Induced Recrystallization Engineering for CH₃NH₃PbI₃ Film and Its Application in Highly Efficient Inverted Planar Heterojunction Perovskite Solar Cells. Advanced Functional Materials, 2018, 28, 1704836.	14.9	112
17	A Flexible and Thin Graphene/Silver Nanowires/Polymer Hybrid Transparent Electrode for Optoelectronic Devices. ACS Applied Materials & Interfaces, 2016, 8, 31212-31221.	8.0	105
18	One-pot synthesis of Ag/r-GO/TiO2 nanocomposites with high solar absorption and enhanced anti-recombination in photocatalytic applications. Nanoscale, 2014, 6, 5498.	5.6	102

#	Article	IF	Citations
19	Flexible Perovskite Solar Cells with High Power-Per-Weight: Progress, Application, and Perspectives. ACS Energy Letters, 2021, 6, 2917-2943.	17.4	100
20	Graphitic carbon nitride doped SnO₂ enabling efficient perovskite solar cells with PCEs exceeding 22%. Journal of Materials Chemistry A, 2020, 8, 2644-2653.	10.3	98
21	Ligand Orientation-Induced Lattice Robustness for Highly Efficient and Stable Tin-Based Perovskite Solar Cells. ACS Energy Letters, 2020, 5, 2327-2334.	17.4	98
22	Ionic Liquids-Enabled Efficient and Stable Perovskite Photovoltaics: Progress and Challenges. ACS Energy Letters, 0, , 1453-1479.	17.4	98
23	Polarizationâ€Sensitive Halide Perovskites for Polarized Luminescence and Detection: Recent Advances and Perspectives. Advanced Materials, 2021, 33, e2003615.	21.0	89
24	Conjugated Molecules â€œBridgeâ€• Functional Ligand toward Highly Efficient and Longâ€Term Stable Perovskite Solar Cell. Advanced Functional Materials, 2019, 29, 1808119.	14.9	88
25	A highly efficient mesoscopic solar cell based on CH₃NH₃PbI_{3â^'x}Cl_xfabricated via sequential solution deposition. Chemical Communications, 2014, 50, 12458-12461.	4.1	87
26	Alternative Organic Spacers for More Efficient Perovskite Solar Cells Containing Ruddlesdenâ€“Popper Phases. Journal of the American Chemical Society, 2020, 142, 19705-19714.	13.7	83
27	Aâ€Site Cation Engineering of Metal Halide Perovskites: Version 3.0 of Efficient Tinâ€Based Leadâ€Free Perovskite Solar Cells. Advanced Functional Materials, 2020, 30, 2000794.	14.9	81
28	A Cocktail of Multiple Cations in Inorganic Halide Perovskite toward Efficient and Highly Stable Blue Light-Emitting Diodes. ACS Energy Letters, 2020, 5, 1062-1069.	17.4	79
29	Enhancing Molecular Aggregations by Intermolecular Hydrogen Bonds to Develop Phosphorescent Emitters for Highâ€Performance Nearâ€Infrared OLEDs. Advanced Science, 2019, 6, 1801930.	11.2	78
30	Multiple foci and a long filament observed with focused femtosecond pulse propagation in fused silica. Optics Letters, 2002, 27, 448.	3.3	76
31	Diarylboronâ€Based Asymmetric Redâ€Emitting Ir(III) Complex for Solutionâ€Processed Phosphorescent Organic Lightâ€Emitting Diode with External Quantum Efficiency above 28%. Advanced Science, 2018, 5, 1701067.	11.2	76
32	One-Step Co-Evaporation of All-Inorganic Perovskite Thin Films with Room-Temperature Ultralow Amplified Spontaneous Emission Threshold and Air Stability. ACS Applied Materials & Interfaces, 2018, 10, 40661-40671.	8.0	76
33	Suppressing Ion Migration Enables Stable Perovskite Lightâ€Emitting Diodes with Allâ€Inorganic Strategy. Advanced Functional Materials, 2020, 30, 2001834.	14.9	76
34	Architecture of p-i-n Sn-Based Perovskite Solar Cells: Characteristics, Advances, and Perspectives. ACS Energy Letters, 2021, 6, 2863-2875.	17.4	76
35	Opticsâ€“electrics highways: Plasmonic silver nanowires@TiO2 coreâ€“shell nanocomposites for enhanced dye-sensitized solar cells performance. Nano Energy, 2014, 10, 181-191.	16.0	67
36	In Situ Interface Engineering for Highly Efficient Electron-Transport-Layer-Free Perovskite Solar Cells. Nano Letters, 2020, 20, 5799-5806.	9.1	67

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37	Study on Photoluminescence Quenching and Photostability Enhancement of MEH-PPV by Reduced Graphene Oxide. Journal of Physical Chemistry C, 2012, 116, 23053-23060.	3.1	65
38	Ag-encapsulated Au plasmonic nanorods for enhanced dye-sensitized solar cell performance. Journal of Materials Chemistry A, 2015, 3, 4659-4668.	10.3	65
39	The role of reduction extent of graphene oxide in the photocatalytic performance of Ag/AgX (X = Cl,) Tj ETQq1 1 0.784314 rgBT /Over Physical Chemistry Chemical Physics, 2016, 18, 18219-18226.	2.8	65
40	Chemical sintering reduced grain boundary defects for stable planar perovskite solar cells. Nano Energy, 2019, 56, 741-750.	16.0	65
41	Thiazole-based metallophosphors of iridium with balanced carrier injection/transporting features and their two-colour WOLEDs fabricated by both vacuum deposition and solution processing-vacuum deposition hybrid strategy. Journal of Materials Chemistry, 2012, 22, 7136.	6.7	64
42	Cyclometalated Platinum Complexes with Aggregation-Induced Phosphorescence Emission Behavior and Highly Efficient Electroluminescent Ability. Chemistry of Materials, 2018, 30, 929-946.	6.7	64
43	Crystallization Dynamics of Snâ€Based Perovskite Thin Films: Toward Efficient and Stable Photovoltaic Devices. Advanced Energy Materials, 2022, 12, 2102213.	19.5	63
44	Highly Transparent, Conductive, Flexible Resin Films Embedded with Silver Nanowires. Langmuir, 2015, 31, 4950-4957.	3.5	62
45	Flexible and Transparent Ferroferric Oxide-Modified Silver Nanowire Film for Efficient Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2020, 12, 2826-2834.	8.0	62
46	Formation of ultrasmooth perovskite films toward highly efficient inverted planar heterojunction solar cells by micro-flowing anti-solvent deposition in air. Journal of Materials Chemistry A, 2016, 4, 6295-6303.	10.3	61
47	High-Brightness and Color-Tunable FAPbBr₃ Perovskite Nanocrystals 2.0 Enable Ultrapure Green Luminescence for Achieving Recommendation 2020 Displays. ACS Applied Materials & Interfaces, 2020, 12, 2835-2841.	8.0	61
48	Origin of High Efficiency and Long-Term Stability in Ionic Liquid Perovskite Photovoltaic. Research, 2020, 2020, 2616345.	5.7	59
49	Asymmetric tris-Heteroleptic Iridium^{III} Complexes Containing a 9-Phenyl-9-phosphafluorene Oxide Moiety with Enhanced Charge Carrier Injection/Transporting Properties for Highly Efficient Solution-Processed Organic Light-Emitting Diodes. Chemistry of Materials, 2016, 28, 8556-8569.	6.7	58
50	Rubidium Doping for Enhanced Performance of Highly Efficient Formamidinium-Based Perovskite Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 9849-9857.	8.0	58
51	Asymmetric thermally activated delayed fluorescence (TADF) emitters with 5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracene (OBA) as the acceptor and highly efficient blue-emitting OLEDs. Journal of Materials Chemistry C, 2019, 7, 11953-11963.	5.5	58
52	Multifunctional perovskite capping layers in hybrid solar cells. Journal of Materials Chemistry A, 2014, 2, 14973.	10.3	57
53	Phosphorescent Iridium(III) Complexes Bearing Fluorinated Aromatic Sulfonyl Group with Nearly Unity Phosphorescent Quantum Yields and Outstanding Electroluminescent Properties. ACS Applied Materials & Interfaces, 2015, 7, 24703-24714.	8.0	57
54	Surface mediated ligands addressing bottleneck of room-temperature synthesized inorganic perovskite nanocrystals toward efficient light-emitting diodes. Nano Energy, 2020, 70, 104467.	16.0	56

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55	Investigation of the spectra of phosphorescent organic light-emitting devices in relation to emission zone. Journal of Applied Physics, 2005, 97, 103105.	2.5	55
56	Highly efficient deep-blue organic electroluminescent devices (CIEy â‰ˆ 0.08) doped with fluorinated 9,9â€²-bianthracene derivatives (fluorophores). Journal of Materials Chemistry C, 2013, 1, 8117.	5.5	55
57	One-Step Preparation and Assembly of Aqueous Colloidal CdS_xSe_{1â€“x} Nanocrystals within Mesoporous TiO₂ Films for Quantum Dot-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 5139-5148.	8.0	55
58	Highly Strain and Bending Sensitive Microtapered Long-Period Fiber Gratings. IEEE Photonics Technology Letters, 2017, 29, 1085-1088.	2.5	53
59	Rational Coreâ€“Shell Design of Open Air Low Temperature In Situ Processable CsPbI₃ Quasiâ€Nanocrystals for Stabilized pâ€iâ€n Solar Cells. Advanced Energy Materials, 2019, 9, 1901787.	19.5	53
60	Highly efficient and stable perovskite solar cells enabled by low-dimensional perovskitoids. Science Advances, 2022, 8, eabk2722.	10.3	53
61	Highly Efficient Deep-Red Organic Light-Emitting Devices Based on Asymmetric Iridium(III) Complexes with the Thianthrene 5,5,10,10-Tetraoxide Moiety. ACS Applied Materials & Interfaces, 2019, 11, 26152-26164.	8.0	52
62	Fluorinated 9,9â€²-spirobifluorene derivatives as host materials for highly efficient blue organic light-emitting devices. Journal of Materials Chemistry C, 2013, 1, 2183.	5.5	51
63	High Stability and Ultralow Threshold Amplified Spontaneous Emission from Formamidinium Lead Halide Perovskite Films. Journal of Physical Chemistry C, 2017, 121, 15318-15325.	3.1	50
64	Ultra-stable CsPbBr₃ nanocrystals with near-unity photoluminescence quantum yield via postsynthetic surface engineering. Journal of Materials Chemistry A, 2019, 7, 26116-26122.	10.3	50
65	Vacuum Dual-Source Thermal-Deposited Lead-Free Cs₃Cu₂I₅ Films with High Photoluminescence Quantum Yield for Deep-Blue Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 52967-52975.	8.0	50
66	Filamentation and temporal reshaping of a femtosecond pulse in fused silica. Physical Review A, 2003, 68, .	2.5	49
67	Novel iridium(<scp>iii</scp>) complexes bearing dimesitylboron groups with nearly 100% phosphorescent quantum yields for highly efficient organic light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 7871-7883.	5.5	49
68	Versatile Fluorinated Derivatives of Triphenylamine as Hole-Transporters and Blue-Violet Emitters in Organic Light-Emitting Devices. Journal of Physical Chemistry C, 2012, 116, 20504-20512.	3.1	47
69	Allâ€Inorganic Heteroâ€Structured Cesium Tin Halide Perovskite Lightâ€Emitting Diodes With Current Density Over 900â€‰Aâ€‰cm^{â^’2} and Its Amplified Spontaneous Emission Behaviors. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800090.	2.4	47
70	Stability Improvement of Tinâ€Based Halide Perovskite by Precursorâ€Solution Regulation with Dualâ€Functional Reagents. Advanced Functional Materials, 2021, 31, 2104344.	14.9	47
71	Facet-Dependent Control of PbI₂ Colloids for over 20% Efficient Perovskite Solar Cells. ACS Energy Letters, 2019, 4, 358-367.	17.4	46
72	A comparison study between ZnO nanorods coated with graphene oxide and reduced graphene oxide. Journal of Alloys and Compounds, 2014, 582, 29-32.	5.5	44

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73	Effective blocking of the molecular aggregation of novel truxene-based emitters with spirobifluorene and electron-donating moieties for furnishing highly efficient non-doped blue-emitting OLEDs. Journal of Materials Chemistry C, 2015, 3, 5783-5794.	5.5	41
74	Online fabrication scheme of helical long-period fiber grating for liquid-level sensing. Applied Optics, 2016, 55, 9675.	2.1	41
75	A facile one-step solution deposition via non-solvent/solvent mixture for efficient organometal halide perovskite light-emitting diodes. Nanoscale, 2016, 8, 11084-11090.	5.6	41
76	Solution-processed organic films of multiple small-molecules and white light-emitting diodes. Organic Electronics, 2010, 11, 641-648.	2.6	38
77	Random lasing from granular surface of waveguide with blends of PS and PMMA. Optics Express, 2011, 19, 16126.	3.4	37
78	Highly-efficient and low-temperature perovskite solar cells by employing a Bi-hole transport layer consisting of vanadium oxide and copper phthalocyanine. Chemical Communications, 2018, 54, 6177-6180.	4.1	37
79	Improvement of light extraction in organic light-emitting diodes using a corrugated microcavity. Optics Express, 2015, 23, 4055.	3.4	36
80	Stability of Sn-Pb mixed organicâ€“inorganic halide perovskite solar cells: Progress, challenges, and perspectives. Journal of Energy Chemistry, 2022, 65, 371-404.	12.9	36
81	Considerable improvement in the stability of solution processed small molecule OLED by annealing. Applied Surface Science, 2011, 257, 7394-7398.	6.1	35
82	Initiating crystal growth kinetics of Î±-HC(NH2)2PbI3 for flexible solar cells with long-term stability. Nano Energy, 2016, 26, 438-445.	16.0	35
83	Organic Emitters with a Rigid 9-Phenyl-9-phosphafluorene Oxide Moiety as the Acceptor and Their Thermally Activated Delayed Fluorescence Behavior. ACS Applied Materials & Interfaces, 2019, 11, 27112-27124.	8.0	35
84	Postâ€Treatment Engineering of Vacuumâ€Deposited Cs₂NaBiI₆ Double Perovskite Film for Enhanced Photovoltaic Performance. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900567.	1.8	35
85	Allâ€inorganic Snâ€based Perovskite Solar Cells: Status, Challenges, and Perspectives. ChemSusChem, 2020, 13, 6477-6497.	6.8	35
86	Piperidine-induced Switching of the direct band gaps of Ag(<scp>i</scp>)/Bi(<scp>iii</scp>) bimetallic iodide double perovskites. Journal of Materials Chemistry C, 2020, 8, 5349-5354.	5.5	34
87	Alcohol-assisted photoetching of silicon carbide with a femtosecond laser. Optics Communications, 2009, 282, 78-80.	2.1	33
88	Template effects in Cu(<scp>i</scp>)â€“Bi(<scp>iii</scp>) iodide double perovskites: a study of crystal structure, film orientation, band gap and photocurrent response. Journal of Materials Chemistry A, 2020, 8, 7288-7296.	10.3	33
89	Strain Engineering of Metalâ€“Halide Perovskites toward Efficient Photovoltaics: Advances and Perspectives. Solar Rrl, 2021, 5, 2000672.	5.8	33
90	Enhance the responsivity and response speed of self-powered ultraviolet photodetector by GaN/CsPbBr3 core-shell nanowire heterojunction and hydrogel. Nano Energy, 2022, 100, 107437.	16.0	33

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91	Morphological investigation at the front and rear surfaces of fused silica processed with femtosecond laser pulses in air. Optics Express, 2002, 10, 1244.	3.4	32
92	Plasmonic enhancement for high efficient and stable perovskite solar cells by employing "hot spots" Au nanobipyramids. Organic Electronics, 2018, 60, 1-8.	2.6	32
93	Interface Engineering in Tin Perovskite Solar Cells. Advanced Materials Interfaces, 2019, 6, 1901322.	3.7	32
94	Photoinduced Cross Linkable Polymerization of Flexible Perovskite Solar Cells and Modules by Incorporating Benzyl Acrylate. Advanced Functional Materials, 2022, 32, .	14.9	32
95	Highly efficient electroluminescent Pt^{II} ppy-type complexes with monodentate ligands. Chemical Communications, 2017, 53, 7581-7584.	4.1	31
96	One-dimensional (1D) [6,6]-phenyl-C₆₁-butyric acid methyl ester (PCBM) nanorods as an efficient additive for improving the efficiency and stability of perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 8566-8572.	10.3	30
97	Aggregation-induced emission triggered by the radiative-transition-switch of a cyclometallated Pt(<scp>ii</scp>) complex. Journal of Materials Chemistry C, 2019, 7, 12552-12559.	5.5	30
98	Morphologically controlled electrodeposition of CdSe on mesoporous TiO2 film for quantum dot-sensitized solar cells. Electrochimica Acta, 2013, 108, 449-457.	5.2	29
99	Bifunctional Ï€-conjugated ligand assisted stable and efficient perovskite solar cell fabrication via interfacial stitching. Journal of Materials Chemistry A, 2019, 7, 16533-16540.	10.3	29
100	Flexible Perovskite Solar Modules with Functional Layers Fully Vacuum Deposited. Solar Rrl, 2020, 4, 2000292.	5.8	29
101	Simple Tuning of the Optoelectronic Properties of Ir^{III} and Pt^{II} Electrophosphors Based on Linkage Isomer Formation with a Naphthylthiazolyl Moiety. European Journal of Inorganic Chemistry, 2012, 2012, 2278-2288.	2.0	28
102	Modified deposition process of electron transport layer for efficient inverted planar perovskite solar cells. Chemical Communications, 2015, 51, 8986-8989.	4.1	28
103	The enhanced random lasing from dye-doped polymer films with different-sized silver nanoparticles. Organic Electronics, 2016, 30, 165-170.	2.6	28
104	Bis-Zn^{II} salphen complexes bearing pyridyl functionalized ligands for efficient organic light-emitting diodes (OLEDs). Dalton Transactions, 2017, 46, 6098-6110.	3.3	28
105	Real-time image haze removal using an aperture-division polarimetric camera. Applied Optics, 2017, 56, 942.	2.1	28
106	A robust haze-removal scheme in polarimetric dehazing imaging based on automatic identification of sky region. Optics and Laser Technology, 2016, 86, 145-151.	4.6	27
107	High Triplet Energy Level Achieved by Tuning the Arrangement of Building Blocks in Phosphorescent Polymer Backbones for Furnishing High Electroluminescent Performances in Both Blue and White Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2017, 9, 16360-16374.	8.0	27
108	A general route to enhance the fluorescence of graphene quantum dots by Ag nanoparticles. RSC Advances, 2014, 4, 21772-21776.	3.6	26

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109	Strategically Formulating Aggregationâ€Induced Emissionâ€Active Phosphorescent Emitters by Restricting the Coordination Skeletal Deformation of Pt(II) Complexes Containing Two Independent Monodentate Ligands. Advanced Optical Materials, 2020, 8, 2000079.	7.3	26
110	Contrast-enhancement in organic light-emitting diodes. Optics Express, 2005, 13, 1406.	3.4	25
111	Efficient and Stable Perovskite Solar Cells by Fluorinated Ionic Liquidâ€“Induced Component Interaction. Solar Rrl, 2021, 5, .	5.8	24
112	Abnormal spatial heterogeneity governing the charge-carrier mechanism in efficient Ruddlesdenâ€“Popper perovskite solar cells. Energy and Environmental Science, 2021, 14, 4915-4925.	30.8	24
113	Aggregation-induced phosphorescence emission (AIPE) behaviors in Pt^{II}(C^N)(N-donor) Tj ETQq1 1 0.784314 rgBT /Over skeleton and their optoelectronic properties. Journal of Materials Chemistry C, 2021, 9, 2334-2349.	5.5	24
114	A hybrid encapsulation of organic light-emitting devices. Journal Physics D: Applied Physics, 2005, 38, 981-984.	2.8	23
115	Iridium (III) complexes with 5,5-dimethyl-3-(pyridin-2-yl)cyclohex-2-enone ligands as sensitizer for dye-sensitized solar cells. Organic Electronics, 2013, 14, 3297-3305.	2.6	23
116	Fluorinated 9,9â€²-bianthracene derivatives with twisted intramolecular charge-transfer excited states as blue host materials for high-performance fluorescent electroluminescence. Journal of Materials Chemistry C, 2014, 2, 9375-9384.	5.5	23
117	Asymmetric tris-heteroleptic iridium(<scp>iii</scp>) complexes containing three different 2-phenylpyridine-type ligands: a new strategy for improving the electroluminescence ability of phosphorescent emitters. Journal of Materials Chemistry C, 2018, 6, 9453-9464.	5.5	23
118	Isomers of Coumarin-Based Cyclometalated Ir(III) Complexes with Easily Tuned Phosphorescent Color and Features for Highly Efficient Organic Light-Emitting Diodes. Inorganic Chemistry, 2019, 58, 7393-7408.	4.0	23
119	Near-unity blue luminance from lead-free copper halides for light-emitting diodes. Nano Energy, 2022, 91, 106664.	16.0	23
120	Charge tunneling injection through a thin teflon film between the electrodes and organic semiconductor layer: Relation to morphology of the teflon film. Physical Review B, 2006, 74, .	3.2	22
121	Novel 2,4-difluorophenyl-functionalized arylamine as hole-injecting/hole-transporting layers in organic light-emitting devices. Chemical Physics Letters, 2012, 527, 36-41.	2.6	22
122	Photoluminescence investigation about zinc oxide with graphene oxide & reduced graphene oxide buffer layers. Journal of Colloid and Interface Science, 2014, 416, 289-293.	9.4	22
123	Formamidine Acetate Induces Regulation of Crystallization and Stabilization in Sn-Based Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 33218-33225.	8.0	22
124	Tris(cyclometalated) Iridium(III) Phosphorescent Complexes with 2â€Phenylthiazoleâ€Type Ligands: Synthesis, Photophysical, Redox and Electrophosphorescent Behavior. European Journal of Inorganic Chemistry, 2013, 2013, 4754-4763.	2.0	21
125	Fluorinated anthracene derivatives as deep-blue emitters and host materials for highly efficient organic light-emitting devices. RSC Advances, 2015, 5, 59027-59036.	3.6	21
126	Controlled thickness and morphology for highly efficient inverted planar heterojunction perovskite solar cells. Nanoscale, 2015, 7, 10699-10707.	5.6	21

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127	Homoleptic thiazole-based Ir^{III} phosphorescent complexes for achieving both high EL efficiencies and an optimized trade-off among the key parameters of solution-processed WOLEDs. Journal of Materials Chemistry C, 2017, 5, 208-219.	5.5	21
128	Lead Sources in Perovskite Solar Cells: Toward Controllable, Sustainable, and Largeâ€Scalable Production. Solar Rrl, 2021, 5, 2100665.	5.8	21
129	Field emission mechanism insights of graphene decorated with ZnO nanoparticles. RSC Advances, 2013, 3, 14073.	3.6	20
130	Platinum(ii) polymetallayne-based phosphorescent polymers with enhanced triplet energy-transfer: synthesis, photophysical, electrochemistry, and electrophosphorescent investigation. RSC Advances, 2015, 5, 36507-36519.	3.6	20
131	Charged dinuclear Cu(I) complexes for solution-processed single-emitter warm white organic light-emitting devices. Dyes and Pigments, 2017, 143, 151-164.	3.7	20
132	High performance organo-lead halide perovskite light-emitting diodes via surface passivation of phenethylamine. Organic Electronics, 2018, 60, 57-63.	2.6	20
133	Asymmetric Heteroleptic Ir(III) Phosphorescent Complexes with Aromatic Selenide and Selenophene Groups: Synthesis and Photophysical, Electrochemical, and Electrophosphorescent Behaviors. Inorganic Chemistry, 2018, 57, 11027-11043.	4.0	20
134	Towards high performance solution-processed orange organic light-emitting devices: precisely-adjusting properties of Ir(<scp>iii</scp>) complexes by reasonably engineering the asymmetric configuration with second functionalized cyclometalating ligands. Journal of Materials Chemistry C, 2019, 7, 8836-8846.	5.5	20
135	Emerging Organic/Hybrid Photovoltaic Cells for Indoor Applications: Recent Advances and Perspectives. Solar Rrl, 2021, 5, 2100042.	5.8	20
136	Surface-tension release in PTAA-based inverted perovskite solar cells. Organic Electronics, 2022, 100, 106378.	2.6	20
137	Theoretical insight into the deep-blue amplified spontaneous emission of new organic semiconductor molecules. Organic Electronics, 2014, 15, 3144-3153.	2.6	19
138	A nanostructure-based counter electrode for dye-sensitized solar cells by assembly of silver nanoparticles. Organic Electronics, 2014, 15, 1641-1649.	2.6	19
139	Electric field-modulated amplified spontaneous emission in organo-lead halide perovskite CH3NH3PbI3. Applied Physics Letters, 2015, 107, .	3.3	19
140	Realizing improved performance of down-conversion white organic light-emitting diodes by localized surface plasmon resonance effect of Ag nanoparticles. Organic Electronics, 2016, 31, 234-239.	2.6	19
141	Impermeable inorganic â€œwallsâ€•sandwiching perovskite layer toward inverted and indoor photovoltaic devices. Nano Energy, 2021, 88, 106286.	16.0	19
142	Silver-loaded anatase nanotubes dispersed plasmonic composite photoanode for dye-sensitized solar cells. Organic Electronics, 2014, 15, 2847-2854.	2.6	18
143	A new type of solid-state luminescent 2-phenylbenzo[g]furo[2,3-b]quinoxaline derivative: synthesis, photophysical characterization and transporting properties. Journal of Materials Chemistry C, 2019, 7, 9690-9697.	5.5	18
144	Designing Ionic Liquids as the Solvent for Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 22870-22878.	8.0	18

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145	Enhancement of amplified spontaneous emission in organic gain media by the metallic film. Organic Electronics, 2014, 15, 2052-2058.	2.6	17
146	Novel phosphorescent polymers containing both ambipolar segments and functionalized Ir^{III}phosphorescent moieties: synthesis, photophysical, redox, and electrophosphorescence investigation. Journal of Materials Chemistry C, 2014, 2, 9523-9535.	5.5	17
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