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	Chiral cation promoted interfacial charge extraction for efficient tin-based perovskite solar cells. Journal of Energy Chemistry, 2022, 68, 789-796.	12.9	16
2	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
3	Near-unity blue luminance from lead-free copper halides for light-emitting diodes. Nano Energy, 2022, 91, 106664.	16.0	23
4	Surface-tension release in PTAA-based inverted perovskite solar cells. Organic Electronics, 2022, 100, 106378.	2.6	20
5	Self-assembly monomolecular engineering towards efficient and stable inverted perovskite solar cells. Chemical Engineering Journal, 2022, 430, 132986.	12.7	12
6	Crystallization Dynamics of Snâ€Based Perovskite Thin Films: Toward Efficient and Stable Photovoltaic Devices. Advanced Energy Materials, 2022, 12, 2102213.	19.5	63
7	Ultra-thick inverted green organic light-emitting diodes for high power efficiency over 300 lm/W. Organic Electronics, 2022, 101, 106414.	2.6	2
8	Designing Ionic Liquids as the Solvent for Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 22870-22878.	8.0	18
9	Highly efficient and stable perovskite solar cells enabled by low-dimensional perovskitoids. Science Advances, 2022, 8, eabk2722.	10.3	53
10	Hole Transport Layer Free Perovskite Light-Emitting Diodes With High-Brightness and Air-Stability Based on Solution-Processed CsPbBr3-Cs4PbBr6 Composites Films. Frontiers in Chemistry, 2022, 10, 828322.	3.6	2
11	Overcoming energy loss of thermally activated delayed fluorescence sensitized-OLEDs by developing a fluorescent dopant with a small singletâ€“triplet energy splitting. Journal of Materials Chemistry C, 2022, 10, 1681-1689.	5.5	7
12	Bright and efficient sky-blue perovskite light-emitting diodes via doping of Ï€-conjugated molecule tetraphenylethylene. Organic Electronics, 2022, 102, 106441.	2.6	2
13	Complementary Triple-Ligand Engineering Approach to Methylamine Lead Bromide Nanocrystals for High-Performance Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2022, 14, 10508-10516.	8.0	10
14	Bi-Linkable Reductive Cation as Molecular Glue for One Year Stable Sn-Based Perovskite Solar Cells. ACS Applied Energy Materials, 2022, 5, 4008-4016.	5.1	13
15	Smooth and mechanically robust random metallic mesh electrode modified by thermally transferred PEDOT: PSS for ITO-Free flexible organic light-emitting diodes. Organic Electronics, 2022, , 106498.	2.6	4
16	SnO₂ Passivation and Enhanced Perovskite Charge Extraction with a Benzylamine Hydrochloric Interlayer. ACS Applied Materials & Interfaces, 2022, 14, 34198-34207.	8.0	11
17	Harvesting the Triplet Excitons of Quasi-Two-Dimensional Perovskite toward Highly Efficient White Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2022, 13, 3674-3681.	4.6	3
18	Photoinduced Cross Linkable Polymerization of Flexible Perovskite Solar Cells and Modules by Incorporating Benzyl Acrylate. Advanced Functional Materials, 2022, 32, .	14.9	32

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19	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
20	Semiconductivity and high stability in centimetric two-dimensional bismuthâ€“silver hybrid double perovskites. Materials Chemistry Frontiers, 2022, 6, 2135-2142.	5.9	3
21	Efficient and Stable Perovskite Solar Cells by Fluorinated Ionic Liquidâ€“Induced Component Interaction. Solar Rrl, 2021, 5, .	5.8	24
22	Strain Engineering of Metalâ€“Halide Perovskites toward Efficient Photovoltaics: Advances and Perspectives. Solar Rrl, 2021, 5, 2000672.	5.8	33
23	Universal polymeric hosts adopting cardo-type backbone prepared by palladium-free catalyst with precisely controlled triplet energy levels and their application for highly efficient solution-processed phosphorescent organic light-emitting devices. Chemical Engineering Journal, 2021, 406, 126717.	12.7	5
24	Inverted with power efficiency over 220ÂlmÂWâ€“1. Nano Energy, 2021, 82, 105660.	16.0	6
25	Optimizing molecular rigidity and thermally activated delayed fluorescence (TADF) behavior of phosphoryl center Ï€-conjugated heterocycles-based emitters by tuning chemical features of the tether groups. Chemical Engineering Journal, 2021, 413, 127445.	12.7	13
26	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
27	Mono-, di- and tri-nuclear Pt^{II}(C^N)(N-donor ligand)Cl complexes showing aggregation-induced phosphorescent emission (AIPE) behavior for efficient solution-processed organic light-emitting devices. Materials Chemistry Frontiers, 2021, 5, 4160-4173.	5.9	2
28	Polarizationâ€Sensitive Halide Perovskites for Polarized Luminescence and Detection: Recent Advances and Perspectives. Advanced Materials, 2021, 33, e2003615.	21.0	89
29	Stabilizing black-phase formamidinium perovskite formation at room temperature and high humidity. Science, 2021, 371, 1359-1364.	12.6	508
30	Solvent Engineering of the Precursor Solution toward Largeâ€Area Production of Perovskite Solar Cells. Advanced Materials, 2021, 33, e2005410.	21.0	182
31	Emerging Organic/Hybrid Photovoltaic Cells for Indoor Applications: Recent Advances and Perspectives. Solar Rrl, 2021, 5, 2100042.	5.8	20
32	Exploiting a Multiphase Pure Formamidinium Lead Perovskite for Efficient Green-Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2021, 13, 23067-23073.	8.0	11
33	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
34	Flexible Perovskite Solar Cells with High Power-Per-Weight: Progress, Application, and Perspectives. ACS Energy Letters, 2021, 6, 2917-2943.	17.4	100
35	Stability Improvement of Tinâ€Based Halide Perovskite by Precursorâ€Solution Regulation with Dualâ€Functional Reagents. Advanced Functional Materials, 2021, 31, 2104344.	14.9	47
36	Architecture of p-i-n Sn-Based Perovskite Solar Cells: Characteristics, Advances, and Perspectives. ACS Energy Letters, 2021, 6, 2863-2875.	17.4	76

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37	Cohesively Enhancing the Conductance, Mechanical Robustness, and Environmental Stability of Random Metallic Mesh Electrodes via Hot-Pressing-Induced In-Plane Configuration. ACS Applied Materials & Interfaces, 2021, 13, 41836-41845.	8.0	2
38	Enhanced performance of spectra stable blue perovskite light-emitting diodes through Poly(9-vinylcarbazole) interlayer incorporation. Organic Electronics, 2021, 96, 106259.	2.6	5
39	High efficient and stable Tin-based perovskite solar cells via short-chain ligand modification. Organic Electronics, 2021, 96, 106198.	2.6	5
40	Antisolventâ€Free Fabrication of Efficient and Stable Snâ€“Pb Perovskite Solar Cells. Solar Rrl, 2021, 5, 2100675.	5.8	9
41	Impermeable inorganic â€œwallsâ€•sandwiching perovskite layer toward inverted and indoor photovoltaic devices. Nano Energy, 2021, 88, 106286.	16.0	19
42	Aggregation-induced phosphorescence emission (AIPE) behaviors in Pt^{II}(C^N)(N-donor) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 skeleton and their optoelectronic properties. Journal of Materials Chemistry C, 2021, 9, 2334-2349.	5.5	24
43	Manipulating MLCT transition character with ppy-type four-coordinate organoboron skeleton for highly efficient long-wavelength Ir-based phosphors in organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 12650-12660.	5.5	9
44	Two-dimensional semiconducting Cs(<scp>i</scp>)/Bi(<scp>iii</scp>) bimetallic iodide hybrids for light detection. Materials Chemistry Frontiers, 2021, 5, 973-978.	5.9	4
45	Lead Sources in Perovskite Solar Cells: Toward Controllable, Sustainable, and Largeâ€Scalable Production. Solar Rrl, 2021, 5, 2100665.	5.8	21
46	Stable two-dimensional lead iodide hybrid materials for light detection and broadband photoluminescence. Materials Chemistry Frontiers, 2021, 6, 71-77.	5.9	1
47	In Situ Interfacial Passivation of Sn-Based Perovskite Films with a Bi-functional Ionic Salt for Enhanced Photovoltaic Performance. ACS Applied Materials & Interfaces, 2021, , .	8.0	6
48	Unraveling the Role of Chloride in Vertical Growth of Low-Dimensional Ruddlesdenâ€“Popper Perovskites for Efficient Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, , .	8.0	6
49	High Triplet Energy Level Molecule Enables Highly Efficient Sky-Blue Perovskite Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2021, 12, 11723-11729.	4.6	11
50	Dibenzo[<i>f</i>,<i>h</i>]furo[2,3-<i>b</i>]quinoxaline-based molecular scaffolds as deep blue fluorescence materials for organic light-emitting diodes. New Journal of Chemistry, 2021, 46, 419-425.	2.8	3
51	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
52	Unsymmetric 2-phenylpyridine (ppy)-type cyclometalated Ir(<scp>iii</scp>) complexes bearing both 5,9-dioxa-13<i>b</i>-boranaphtho[3,2,1-<i>de</i>]anthracene and phenylsulfonyl groups for tuning optoelectronic properties and electroluminescence abilities. Inorganic Chemistry Frontiers, 2020, 7, 1651-1666.	6.0	9
53	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
54	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

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55	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
56	An ultra-thin inorganic interlayer strategy for achieving efficient inverted planar perovskite solar cells and modules with high fill factor. Organic Electronics, 2020, 87, 105937.	2.6	1
57	The synthesis of cyclometalated platinum(<scp>ii</scp>) complexes with benzoaryl-pyridines as C^N ligands for investigating their photophysical, electrochemical and electroluminescent properties. Dalton Transactions, 2020, 49, 15633-15645.	3.3	7
58	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
59	Suppressing Ion Migration Enables Stable Perovskite Lightâ€Emitting Diodes with Allâ€Inorganic Strategy. Advanced Functional Materials, 2020, 30, 2001834.	14.9	76
60	Flexible Perovskite Solar Modules with Functional Layers Fully Vacuum Deposited. Solar Rrl, 2020, 4, 2000292.	5.8	29
61	Allâ€Inorganic Snâ€based Perovskite Solar Cells: Status, Challenges, and Perspectives. ChemSusChem, 2020, 13, 6477-6497.	6.8	35
62	Unsymmetric Heteroleptic Ir(III) Complexes with 2-Phenylquinoline and Coumarin-Based Ligand Isomers for Tuning Character of Triplet Excited States and Achieving High Electroluminescent Efficiencies. Inorganic Chemistry, 2020, 59, 12362-12374.	4.0	13
63	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
64	Optimized trade-off between electroluminescent stability and efficiency in solution-processed WOLEDs adopting functional iridium(III) complexes with 9-phenyl-9-phosphafluorene oxide (PhFlPO) moiety. Organic Electronics, 2020, 84, 105797.	2.6	7
65	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
66	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
67	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
68	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
69	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
70	<i>In Situ</i> Interface Engineering for Highly Efficient Electron-Transport-Layer-Free Perovskite Solar Cells. Nano Letters, 2020, 20, 5799-5806.	9.1	67
71	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
72	A cation-regulation strategy for achieving high-performance perovskite solar cells via a fully-evaporation process. Organic Electronics, 2020, 82, 105710.	2.6	2

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73	Local nearly non-strained perovskite lattice approaching a broad environmental stability window of efficient solar cells. Nano Energy, 2020, 75, 104940.	16.0	15
74	Origin of High Efficiency and Long-Term Stability in Ionic Liquid Perovskite Photovoltaic. Research, 2020, 2020, 2616345.	5.7	59
75	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
76	A new type of solid-state luminescent 2-phenylbenzo[<i>g</i>]furo[2,3-<i>b</i>]quinoxaline derivative: synthesis, photophysical characterization and transporting properties. Journal of Materials Chemistry C, 2019, 7, 9690-9697.	5.5	18
77	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
78	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
79	Conjugated Organic Cations Enable Efficient Self-Healing FASnI3 Solar Cells. Joule, 2019, 3, 3072-3087.	24.0	190
80	Ultra-stable CsPbBr₃ nanocrystals with near-unity photoluminescence quantum yield <i>via</i> postsynthetic surface engineering. Journal of Materials Chemistry A, 2019, 7, 26116-26122.	10.3	50
81	Interface Engineering in Tin Perovskite Solar Cells. Advanced Materials Interfaces, 2019, 6, 1901322.	3.7	32
82	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
83	Asymmetric thermally activated delayed fluorescence (TADF) emitters with 5,9-dioxa-13<i>b</i>-boranaphtho[3,2,1-<i>de</i>]anthracene (OBA) as the acceptor and highly efficient blue-emitting OLEDs. Journal of Materials Chemistry C, 2019, 7, 11953-11963.	5.5	58
84	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
85	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
86	Bifunctional Ï€-conjugated ligand assisted stable and efficient perovskite solar cell fabrication <i>via</i> interfacial stitching. Journal of Materials Chemistry A, 2019, 7, 16533-16540.	10.3	29
87	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
88	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
89	Sulfide treatment passivation of mid-/long-wave dual-color infrared detectors based on type-II InAs/GaSb superlattices. Optical and Quantum Electronics, 2019, 51, 1.	3.3	7
90	Strategy for achieving efficient electroluminescence with reduced efficiency roll-off: enhancement of hot excitons spin mixing and restriction of internal conversion by twisted structure regulation using an anthracene derivative. Journal of Materials Chemistry C, 2019, 7, 5604-5614.	5.5	17

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91	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
92	Facet-Dependent Control of PbI₂ Colloids for over 20% Efficient Perovskite Solar Cells. ACS Energy Letters, 2019, 4, 358-367.	17.4	46
93	Chemical sintering reduced grain boundary defects for stable planar perovskite solar cells. Nano Energy, 2019, 56, 741-750.	16.0	65
94	Efficient Charge Collection Promoted by Interface Passivation Using Amino Acid Toward High Performance Perovskite Solar Cells. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800505.	2.4	12
95	Exciton and bi-exciton mechanisms in amplified spontaneous emission from CsPbBr₃ perovskite thin films. Optics Express, 2019, 27, 29124.	3.4	13
96	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
97	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
98	Efficient amplified spontaneous emission based on Ï€-conjugated fluorophore-cored molecules studied by density functional theory. Organic Electronics, 2018, 57, 123-132.	2.6	6
99	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
100	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
101	Charge Transport between Coupling Colloidal Perovskite Quantum Dots Assisted by Functional Conjugated Ligands. Angewandte Chemie, 2018, 130, 5856-5860.	2.0	3
102	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
103	Perovskite Photovoltaics: Pseudohalideâ€Induced Recrystallization Engineering for CH₃NH₃PbI₃ Film and Its Application in Highly Efficient Inverted Planar Heterojunction Perovskite Solar Cells (Adv. Funct. Mater. 2/2018). Advanced Functional Materials, 2018, 28, 1870013.	14.9	5
104	Cyclometalated Platinum Complexes with Aggregation-Induced Phosphorescence Emission Behavior and Highly Efficient Electroluminescent Ability. Chemistry of Materials, 2018, 30, 929-946.	6.7	64
105	Allâ€Inorganic Heteroâ€Structured Cesium Tin Halide Perovskite Lightâ€Emitting Diodes With Current Density Over 900â€‰Aâ€‰cm^{âˆ'2} and Its Amplified Spontaneous Emission Behaviors. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800090.	2.4	47
106	Charge Transport between Coupling Colloidal Perovskite Quantum Dots Assisted by Functional Conjugated Ligands. Angewandte Chemie - International Edition, 2018, 57, 5754-5758.	13.8	117
107	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
108	Deciphering perovskite crystal growth in interdiffusion protocol for planar heterojunction photovoltaic devices. Organic Electronics, 2018, 53, 88-95.	2.6	2

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109	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
110	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
111	Enhanced lasing from organic gain medium by Au nanocube@SiO₂ core-shell nanoparticles with optimal size. Optical Materials Express, 2018, 8, 3014.	3.0	10
112	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
113	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
114	High Efficiency Fluorescent Electroluminescence with Extremely Low Efficiency Rollâ€Off Generated by a Donorâ€“Bianthraceneâ€“Acceptor Structure: Utilizing Perpendicular Twisted Intramolecular Charge Transfer Excited State. Advanced Optical Materials, 2018, 6, 1800060.	7.3	17
115	High performance organo-lead halide perovskite light-emitting diodes via surface passivation of phenethylamine. Organic Electronics, 2018, 60, 57-63.	2.6	20
116	Theoretical evidence of low-threshold amplified spontaneous emission in organic emitters: transition density and intramolecular vibrational mode analysis. Physical Chemistry Chemical Physics, 2018, 20, 19515-19524.	2.8	6
117	A Strategy for Architecture Design of Crystalline Perovskite Lightâ€Emitting Diodes with High Performance. Advanced Materials, 2018, 30, e1800251.	21.0	148
118	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
119	Heat Dissipation Properties of Thinâ€Film Encapsulation by Insertion of a Metal Thin Film for Organic Lightâ€Emitting Diodes. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800326.	1.8	5
120	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
121	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
122	Silver/graphene nanocomposites as catalysts for the reduction of <i>p</i>â€nitrophenol to <i>p</i>â€aminophenol: Materials preparation and reaction kinetics studies. Canadian Journal of Chemical Engineering, 2017, 95, 1297-1304.	1.7	16
123	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
124	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
125	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
126	Highly Strain and Bending Sensitive Microtapered Long-Period Fiber Gratings. IEEE Photonics Technology Letters, 2017, 29, 1085-1088.	2.5	53

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127	Highly efficient electroluminescent Pt^{II} ppy-type complexes with monodentate ligands. Chemical Communications, 2017, 53, 7581-7584.	4.1	31
128	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
129	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
130	Fast polarimetric dehazing method for visibility enhancement in HSI colour space. Journal of Optics (United Kingdom), 2017, 19, 095606.	2.2	13
131	Plasmonically enhanced lasing by different size silver nanoparticles-silver film hybrid structure. Organic Electronics, 2017, 50, 403-410.	2.6	4
132	Coordination polymers based on bis-Zn^{II} salphen complexes and functional ditopic ligands for efficient polymer light-emitting diodes (PLEDs). Polymer Chemistry, 2017, 8, 6368-6377.	3.9	9
133	Suppression of efficiency roll-off in TADF-OLEDs using Ag-island nanostructures with localized surface plasmon resonance effect. Organic Electronics, 2017, 51, 173-179.	2.6	10
134	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
135	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
136	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
137	Real-time image haze removal using an aperture-division polarimetric camera. Applied Optics, 2017, 56, 942.	2.1	28
138	Fabrication of microtapered/helical long-period fiber gratings with a CO<inf>2</inf> laser fusion splicer. , 2017, , .		0
139	Novel Long-Period Fiber Gratings: Fabrication and Sensing Applications. , 2017, , .		0
140	Simulation and optimization for the optical performance of top-emitting OLED. , 2017, , .		0
141	Online fabrication scheme of helical long-period fiber grating for liquid-level sensing. Applied Optics, 2016, 55, 9675.	2.1	41
142	Efficiency roll-off suppression in organic light-emitting diodes using size-tunable bimetallic bowtie nanoantennas at high current densities. Applied Physics Letters, 2016, 109, .	3.3	9
143	Enhancement of lasing in organic gain media assisted by the metallic nanoparticlesâ€"metallic film plasmonic hybrid structure. Journal of Materials Chemistry C, 2016, 4, 5717-5724.	5.5	8
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