

Hua Wang

List of Publications by Year in descending order

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304
papers

5,043
citations

117625

34
h-index

175258

52
g-index

306
all docs

306
docs citations

306
times ranked

5161
citing authors

#	ARTICLE	IF	CITATIONS
1	Er ³⁺ and Sr(Bi _{0.5} Nb _{0.5})O ₃ -modified (K _{0.5} Na _{0.5})NbO ₃ : A new transparent fluorescent ferroelectric ceramic with high light transmittance and good luminescence performance. <i>Ceramics International</i> , 2022, 48, 4230-4237.	4.8	14
2	Controllable Photoelectric Properties of Carbon Dots and Their Application in Organic Solar Cells. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 7-20.	3.8	7
3	Effect of Ho Addition on the Optical and Electrical Properties of 0.98KNN-0.02SYT Ceramics. <i>Journal of Electronic Materials</i> , 2022, 51, 831-837.	2.2	8
4	Anthracene and carbazole based asymmetric fluorescent materials for high-efficiency deep-blue non-doped organic light emitting devices with CIE _y =0.06. <i>Dyes and Pigments</i> , 2022, 199, 110047.	3.7	9
5	Diluted exciplex concentrations in organic light emitting diodes for blue-shifted spectra and improved efficiency. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2173-2180.	5.5	9
6	Effects of Er ³⁺ doping on the structure and electro-optical properties of 0.94(K _{0.5} Na _{0.5})NbO ₃ â€“0.06Sr(Zn _{1/3} Nb _{2/3})O ₃ ceramics. <i>Bulletin of Materials Science</i> , 2022, 45, 1.	1.7	3
7	A multifunctional luminescent material based on quinoxaline and triphenylamine groups: polymorphism, mechanochromic luminescence, and applications in high-efficiency fluorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3396-3403.	5.5	14
8	Solution-processed CuSCN/WS ₂ hole transport layer for enhancing efficiency of organic solar cells. <i>Synthetic Metals</i> , 2022, 285, 117026.	3.9	2
9	Combining intrinsic (blue) and exciplex (green and orange-red) emissions of the same material (OCT) in white organic light-emitting diodes to realize high color quality with a CRI of 97. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6654-6664.	5.5	6
10	Conformational distortion-harnessed singlet fission dynamics in thienoquinoid: rapid generation and subsequent annihilation of multiexciton dark state. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4268-4275.	5.5	5
11	Organic fluorescent compounds with twisted D-Ï€-A molecular structure and acidochromic properties. <i>Journal of Molecular Structure</i> , 2022, 1260, 132831.	3.6	3
12	Giant electric field-induced strain with low hysteresis in Bi _{0.5} Na _{0.5} TiO ₃ -xSr _{0.7} Ca _{0.3} TiO ₃ lead-free piezoceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	2.3	3
13	An AIE-active acridine functionalized spiro[fluorene-9,9â€²-xanthene] luminophore with mechanoresponsive luminescence for anti-counterfeiting, information encryption and blue OLEDs. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7857-7865.	5.5	10
14	High luminance/efficiency monochrome and white organic light emitting diodes based pure exciplex emission. <i>Organic Electronics</i> , 2022, 106, 106528.	2.6	7
15	Transmittance, Photoluminescence and Electrical Properties in Er-Doped 0.98K _{0.5} Na _{0.5} NbO ₃ -0.02Sr(Yb _{0.5} Ta _{0.5})O ₃ Ferroelectric Ceramics. <i>Journal of Electronic Materials</i> , 2022, 51, 3476-3484.	2.2	6
16	Anthracene-based blue fluorescence materials utilized in non-doped OLEDs with high luminance and a low efficiency roll-off. <i>Dyes and Pigments</i> , 2022, 204, 110391.	3.7	6
17	The Ba(Bi _{0.5} Ta _{0.5})O ₃ modified (K _{0.5} Na _{0.5})NbO ₃ lead-free transparent ferroelectric ceramics with high transmittance and excellent energy storage performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 16045-16055.	2.2	8
18	A purely organic D-Ï€-A-Ï€-D emitter with thermally activated delayed fluorescence and room temperature phosphorescence for near-white OLED. <i>Chinese Chemical Letters</i> , 2021, 32, 1367-1371.	9.0	23

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19	Regulating the Structural, Transmittance, Ferroelectric, and Energy Storage Properties of $K_{0.5}Na_{0.5}NbO_3$ Ceramics Using $Sr(Yb_{0.5}Nb_{0.5})O_3$. <i>Journal of Electronic Materials</i> , 2021, 50, 968-977.	2.2	14
20	A robust composite hydrogel consisting of polypyrrole and β -cyclodextrin-based supramolecular complex for the label-free amperometric immunodetection of motilin with well-defined dual signal response and high sensitivity. <i>Biosensors and Bioelectronics</i> , 2021, 173, 112810.	10.1	6
21	Morphological modulation to improve thermoelectric performances of PEDOT:PSS films by DMSO vapor post-treatment. <i>Synthetic Metals</i> , 2021, 271, 116628.	3.9	18
22	Triphenylamine/benzothiadiazole-based compounds for non-doped orange and red fluorescent OLEDs with high efficiencies and low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4921-4926.	5.5	40
23	Significantly enhanced energy harvesting based on $Ba(Ti,Sn)O_3$ and P(VDF-CTFE) composite by piezoelectric and triboelectric hybrid. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 2422-2431.	2.2	2
24	A low-cost asymmetric carbazole-based hole-transporting material for efficient perovskite solar cells. <i>New Journal of Chemistry</i> , 2021, 45, 735-741.	2.8	8
25	Flexible printed single-walled carbon nanotubes olfactory synaptic transistors with crosslinked poly(4-vinylphenol) as dielectrics. <i>Flexible and Printed Electronics</i> , 2021, 6, 034001.	2.7	16
26	Tunable white light emission of an anti-ultraviolet rare-earth polysiloxane phosphors based on near UV chips. <i>Optics Express</i> , 2021, 29, 8997.	3.4	2
27	Vanadium Oxide-Modified Triphenylamine-Based Hole-Transport Layer for Highly Reproducible and Efficient Inverted Perovskite Solar Cells. <i>Advanced Photonics Research</i> , 2021, 2, 2000132.	3.6	11
28	Giant Enhancement of External Quantum Efficiency in Near-UV Organic Light-Emitting Diodes via Device Aging and Impedance Spectroscopy Analysis. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100041.	2.4	3
29	Triphenylamine-based small molecules with aggregation-induced emission and mechanochromic luminescence properties for OLED application. <i>Tetrahedron</i> , 2021, 86, 132061.	1.9	14
30	High piezoelectric properties of $0.82(Bi_{0.5}Na_{0.5})TiO_3 \cdot 0.18(Bi_{0.5}K_{0.5})TiO_3$ lead-free ceramics modified by $(Mn_{1/3}Nb_{2/3})_4+$ complex ions. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	2
31	Enhancement of the up-conversion luminescence performance of Ho^{3+} -doped $0.825K_{0.5}Na_{0.5}NbO_3 \cdot 0.175Sr(Yb_{0.5}Nb_{0.5})O_3$ transparent ceramics by polarization. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	11
32	Multimodal optoelectronic neuromorphic electronics based on lead-free perovskite-mixed carbon nanotubes. <i>Carbon</i> , 2021, 176, 592-601.	10.3	35
33	Easy-processing saccharin doped ZnO electron extraction layer in efficient polymer solar cells. <i>Solar Energy</i> , 2021, 220, 706-712.	6.1	3
34	Novel difluorenyl substituted 1,3,5-triazine and carbazole based bipolar host materials with high thermal stability for efficient green phosphorescent organic light-emitting diodes (PhOLEDs). <i>Tetrahedron</i> , 2021, 90, 132175.	1.9	4
35	Fluorene-containing polyhedral oligomeric silsesquioxanes modified hyperbranched polymer for white light-emitting diodes with ultra-high color rendering index of 96. <i>Journal of Solid State Chemistry</i> , 2021, 298, 122122.	2.9	9
36	A quinoxaline-based charge-transfer compound for efficient deep-red organic light emitting diodes. <i>Dyes and Pigments</i> , 2021, 191, 109305.	3.7	7

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37	Structural, transmittance, ferroelectric, energy storage, and electrical properties of $K_{0.5}Na_{0.5}NbO_3$ ceramics regulated by $Sr(Yb_{0.5}Ta_{0.5})O_3$. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 22300-22308.	2.2	8
38	Dopant-free Ternary Conjugated Polymeric Hole-Transporting Materials for Efficient Inverted Planar Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100506.	5.8	8
39	Combining complementary emissions of hole- and electron-transport layers for ultra-simple white organic light-emitting diodes achieving high device performance. <i>Journal of Luminescence</i> , 2021, 239, 118343.	3.1	2
40	Deep information-hiding based on cascade thermoresponsive luminescence switching of A-type carbazole derivatives. <i>Chemical Engineering Journal</i> , 2021, 426, 131293.	12.7	8
41	A novel bipolar host material based on carbazole and 1,3,5-triazine with an extremely low efficiency roll-off for green PhOLEDs. <i>Dyes and Pigments</i> , 2021, 196, 109808.	3.7	6
42	Small-size graphene oxide (GO) as a hole injection layer for high-performance green phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12408-12419.	5.5	7
43	Novel carbazole-based multifunctional materials with a hybridized local and charge-transfer excited state acting as deep-blue emitters and phosphorescent hosts for highly efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5899-5907.	5.5	28
44	TBP precursor agent passivated ZnO electron transport layer for highly efficient polymer solar cells. <i>Organic Electronics</i> , 2020, 76, 105458.	2.6	7
45	Pyrene-based hyperbranched porous polymers with doped $Ir(piq)_2(acac)$ red emitter for highly efficient white polymer light-emitting diodes. <i>Organic Electronics</i> , 2020, 76, 105487.	2.6	20
46	Phase Transition, Large Strain and Energy Storage in Ferroelectric $(Bi_{0.5}Na_{0.5})TiO_3$ - $BaTiO_3$ Ceramics Tailored by $(Mg_{1/3}Nb_{2/3})_4^+$ Complex Ions. <i>Journal of Electronic Materials</i> , 2020, 49, 1131-1141.	2.2	13
47	D-type bipolar host materials with room temperature phosphorescence for high-efficiency green phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1871-1878.	5.5	18
48	Energy level engineering of PEDOT:PSS by antimonene quantum sheet doping for highly efficient OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1796-1802.	5.5	16
49	Solution processed CuSCN/perylene hole extraction layer for highly efficient and stable organic solar cells. <i>Journal of Power Sources</i> , 2020, 448, 227448.	7.8	8
50	Protonation-induced dual fluorescence of a blue fluorescent material with twisted A configuration. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2442-2450.	5.5	14
51	Highly distorted bipolar host material based on benzimidazole and indole derivative for efficient green and red solution-processed PhOLEDs. <i>Tetrahedron Letters</i> , 2020, 61, 152354.	1.4	1
52	Triplet collection for highly efficient single-emitting-layer pure fluorescent WOLED based thermally activated delayed fluorescent host of acridine/sulfone derivative. <i>Optical Materials</i> , 2020, 110, 110510.	3.6	3
53	Deep-blue fluorescent emitter based on a 9,9-dioctylfluorene bridge with a hybridized local and charge-transfer excited state for organic light-emitting devices with EQE exceeding 8%. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14117-14124.	5.5	34
54	An efficient phenylaminocarbazole-based three-dimensional hole-transporting materials for high-stability perovskite solar cells. <i>Dyes and Pigments</i> , 2020, 182, 108663.	3.7	6

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55	Hybrid Hole Extraction Layer Enabled High Efficiency in Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55342-55348.	8.0	3
56	All-exciplex-based white organic light-emitting diodes by employing an interface-free sandwich light-emitting unit achieving high electroluminescence performance. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12247-12256.	5.5	8
57	Photoelectric properties of host materials based on diphenyl sulfone as acceptor and the performances in green phosphorescent OLEDs. <i>Optical Materials</i> , 2020, 109, 110313.	3.6	4
58	A Low-Temperature Solution-Processed CuSCN/Polymer Hole Transporting Layer Enables High Efficiency for Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46373-46380.	8.0	19
59	Modulation for efficiency and spectra of non-doped white organic light emitting diodes by combining an exciplex with an ultrathin phosphorescent emitter. <i>RSC Advances</i> , 2020, 10, 33461-33468.	3.6	6
60	Zinc Oxide Coated Carbon Dot Nanoparticles as Electron Transport Layer for Inverted Polymer Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 11388-11397.	5.1	16
61	Novel donor-acceptor-donor hosts for green and red phosphorescent OLEDs achieving high device efficiency and low efficiency roll-off. <i>Dyes and Pigments</i> , 2020, 180, 108491.	3.7	9
62	Singlet Fission in a Pyrrole-Fused Cross-Conjugated Skeleton with Adaptive Aromaticity. <i>Journal of the American Chemical Society</i> , 2020, 142, 10235-10239.	13.7	73
63	Synthesis, characterization and the fluorescent enhancement mechanism of bonded poly(Eu(TTA) ₂ (phen)MAA-co-VA) nanofibers by electrospinning. <i>Optical Materials</i> , 2020, 106, 110007.	3.6	10
64	TADF material with non-conjugated rigid donor for high-performance full-color phosphorescent OLEDs: Effects of triplet harvest and charge transport on efficiency. <i>Organic Electronics</i> , 2020, 85, 105826.	2.6	11
65	Fluorinated triphenylamine-based dopant-free hole-transporting material for high-performance inverted perovskite solar cells. <i>Chemical Engineering Journal</i> , 2020, 402, 125923.	12.7	25
66	Non-doped blue fluorescent emitting materials with donor-acceptor-donor structures based 1,2,4-triazole/carbazole derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112707.	3.9	0
67	The interfacial degradation mechanism of polymer:fullerene bis-adduct solar cells and their stability improvement. <i>Materials Advances</i> , 2020, 1, 1307-1317.	5.4	9
68	High energy storage efficiency and high electrostrictive coefficients in BNT-xBS-xBT ferroelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5546-5553.	2.2	22
69	Solution-processed blue quantum-dot light-emitting diodes based on double hole transport layers: Charge injection balance, solvent erosion control and performance improvement. <i>Superlattices and Microstructures</i> , 2020, 140, 106460.	3.1	15
70	A new strategy for structuring white organic light-emitting diodes by combining complementary emissions in the same interface. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2772-2779.	5.5	23
71	All-fluorescent white organic light-emitting diodes with EQE exceeding theoretical limit of 5% by incorporating a novel yellow fluorophor in co-doping forming blue exciplex. <i>Organic Electronics</i> , 2020, 83, 105746.	2.6	1
72	Optically and electrically modulated printed carbon nanotube synaptic transistors with a single input terminal and multi-functional output characteristics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6914-6922.	5.5	11

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73	Effects of BiScO ₃ Doping on the Phase Structure, Ferroelectric, Energy Storage, Strain, and Dielectric Properties of Bi _{0.5} Na _{0.5} TiO ₃ Ceramics. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2020, 15, 345-352.	0.5	2
74	Hydrophilic Fluorescent Probes for Fe ³⁺ Ions Based on Nanoparticles of Twisting D- π -A Type Compound Derived from Benzylidenemalononitrile. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 1588.	1.3	0
75	Tandem white organic light-emitting diodes stacked with two symmetrical emitting units simultaneously achieving superior efficiency/CRI/color stability. <i>Nanophotonics</i> , 2019, 8, 1783-1794.	6.0	22
76	Effects of Mg Doping Concentration on Resistive Switching Behavior and Properties of SrTi _{1-x} Mg _x O ₃ Films. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 888-892.	1.0	1
77	Resistance Switching Behaviour and Properties of Ag/La _{0.5} Mg _{0.5} MnO ₃ /p+-Si with Different Thicknesses of Resistance Films Fabricated through Sol-Gel Method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 568-571.	1.0	0
78	Synthesis and properties of hyperbranched polymers for polymer light emitting devices with sunlight-style white emission. <i>RSC Advances</i> , 2019, 9, 22176-22184.	3.6	7
79	Low efficiency roll-off phosphorescent organic light-emitting devices using thermally activated delayed fluorescence hosts materials based 1, 2, 4-triazole acceptor. <i>Organic Electronics</i> , 2019, 74, 13-22.	2.6	8
80	The effect of artificial stress on structure, electrical and mechanical properties of Sr ²⁺ doped BNT-BT lead-free piezoceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 21398-21405.	2.2	6
81	Novel blue fluorescent emitters structured by linking triphenylamine and anthracene derivatives for organic light-emitting devices with EQE exceeding 5%. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10810-10817.	5.5	25
82	Low electric field-induced strain and large improvement in energy density of (Lu _{0.5} Nb _{0.5}) ₄₊ complex-ions doped BNT-BT ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	31
83	Facile synthesis of solution-processed MoS ₂ nanosheets and their application in high-performance ultraviolet organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 926-936.	5.5	38
84	Regio-asymmetric polymers based on fluorinated benzothiadiazole-benzodithiophene for polymer solar cells with a high open-circuit voltage. <i>New Journal of Chemistry</i> , 2019, 43, 3801-3809.	2.8	7
85	Effect of Sintering Time on Structure and Properties in CuO-doping KNN-LS-BF Piezoelectric Ceramics. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 308-311.	1.0	17
86	Novel 2D material from AMQS-based defect engineering for efficient and stable organic solar cells. <i>2D Materials</i> , 2019, 6, 045017.	4.4	15
87	Structural design for highly efficient pure fluorescent warm WOLEDs by employing TADF molecule as blue emitter and exciplex donor. <i>Organic Electronics</i> , 2019, 73, 1-6.	2.6	10
88	Influence of Ni doping on the structural, ferroelectric, magnetic and optical properties of Bi _{0.85} Nd _{0.15} Fe _{1-x} Ni _x O ₃ thin films. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	1.7	3
89	Double electron transport layers for efficient and stable organic-inorganic hybrid perovskite solar cells. <i>Organic Electronics</i> , 2019, 70, 292-299.	2.6	20
90	Two novel bipolar hosts based on 1,2,4-triazole derivatives for highly efficient red phosphorescent OLEDs showing a small efficiency roll-off. <i>Organic Electronics</i> , 2019, 70, 272-278.	2.6	9

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91	Carrier Transport Mechanism and Barrier Height of B-, Al- and B-Al-Ion-Doped ZnO Film/Graphene Schottky Contacts Prepared Using the Sol-gel Method. <i>Journal of Electronic Materials</i> , 2019, 48, 3713-3720.	2.2	7
92	Enhanced performance of perovskite solar cells by the incorporation of the luminescent small molecule DBP: perovskite absorption spectrum modification and interface engineering. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5686-5694.	5.5	28
93	Transformation of hardening to softening behaviors induced by Sb substitution in CuO-doped KNN-based piezoceramics. <i>Ceramics International</i> , 2019, 45, 13179-13186.	4.8	28
94	Synthesis and properties of hyperbranched polymers for white polymer light-emitting diodes. <i>RSC Advances</i> , 2019, 9, 36058-36065.	3.6	6
95	Thermally activated delayed fluorescence of copper(I) complexes using N, N'-heteroaromatic of 2-(5-phenyl-1,2,3-triazole)pyridine as ligand. <i>Journal of Luminescence</i> , 2019, 205, 82-86.	3.1	11
96	A-D1-A-D2-type regioregular and random terpolymers based on oligothiophene and dialkyloxy-benzothiadiazole units for polymer solar cells. <i>Synthetic Metals</i> , 2019, 247, 46-52.	3.9	5
97	High-Performance Organic Electroluminescence: Design from Organic Light-Emitting Materials to Devices. <i>Chemical Record</i> , 2019, 19, 1531-1561.	5.8	79
98	Designing Highly Efficient Phosphorescent Neutral Tetrahedral Manganese(II) Complexes for Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2019, 7, 1801160.	7.3	69
99	Easily available, low-cost 9,9'-bianthracene derivatives as efficient blue hosts and deep-blue emitters in OLEDs. <i>Organic Electronics</i> , 2019, 66, 24-31.	2.6	19
100	Demonstration of highly efficient orange EL device and warm white OLED. <i>Organic Electronics</i> , 2018, 57, 21-27.	2.6	18
101	Tunable hole injection of solution-processed polymeric carbon nitride towards efficient organic light-emitting diode. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	18
102	Fabrication and electro-optical properties of CuAl _{0.8} O ₂ /Zn _{0.95} Al _{0.05} O heterojunction films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7586-7591.	2.2	1
103	Sky-blue phosphorescent organic light-emitting diode with superior performance based on novel chlorine functionalized iridium(III) complex. <i>Tetrahedron Letters</i> , 2018, 59, 2095-2098.	1.4	5
104	Efficient blue phosphorescent organic light-emitting diodes enabled by Ag-nanoparticles-embedded hole transporting layer. <i>Organic Electronics</i> , 2018, 56, 31-36.	2.6	11
105	Mixed antisolvents assisted treatment of perovskite for photovoltaic device efficiency enhancement. <i>Organic Electronics</i> , 2018, 56, 59-67.	2.6	16
106	A novel luminophor and host polymer from fluorene-carbazole derivatives for preparing solution-processed non-doped blue and closed-white light devices. <i>Tetrahedron</i> , 2018, 74, 1053-1058.	1.9	4
107	Zigzag Acridine/Sulfone Derivative with Aggregation-Induced Emission and Enhanced Thermally Activated Delayed Fluorescence in Amorphous Phase for Highly Efficient Nondoped Blue Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1701256.	7.3	60
108	Solution-Processable ZnO/Carbon Quantum Dots Electron Extraction Layer for Highly Efficient Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4895-4903.	8.0	51

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109	Combining emissions of hole- and electron-transporting layers simultaneously for simple blue and white organic light-emitting diodes with superior device performance. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1853-1862.	5.5	32
110	Bipolar host materials based on diphenylphosphine oxide and carbazole derivatives with high triplet energy: Synthesis, characterization and photoelectronic performance in PhOLEDs. <i>Dyes and Pigments</i> , 2018, 153, 67-73.	3.7	8
111	Solution-Processed Composite Interfacial Layer of MoO _x -Doped Graphene Oxide for Robust Hole Injection in Organic Light-Emitting Diode. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1700434.	2.4	14
112	Polyfluorene-based white light conjugated polymers incorporating orange iridium(III) complexes: the effect of steric configuration on their photophysical and electroluminescent properties. <i>RSC Advances</i> , 2018, 8, 1638-1646.	3.6	10
113	Comparative studies on structure, dielectric, strain and energy storage properties of (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} Ti _{0.965} (Mg _{1/3} Nb _{2/3}) _{0.035} O ₃ lead-free ceramics prepared by traditional and two-step sintering method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5349-5355.	2.2	7
114	Remarkable improvement of ferroelectric properties and leakage current in BiFeO ₃ thin films by Nd modification. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 64-67.	1.0	6
115	Highly efficient chlorine functionalized blue iridium(III) phosphors for blue and white phosphorescent organic light-emitting diodes with the external quantum efficiency exceeding 20%. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6656-6665.	5.5	32
116	Low bandgap diketopyrrolopyrrole-based polymers with an asymmetric unit of fluoridated phenylene-thiophene for efficient polymer solar cells. <i>Synthetic Metals</i> , 2018, 240, 30-36.	3.9	10
117	Efficient management of excitons in red and white organic light-emitting diodes by employing blue thermally activated delayed fluorescent emitter based acridine/sulfone derivative as the host. <i>Organic Electronics</i> , 2018, 57, 311-316.	2.6	13
118	Fabrication of benzothiadiazole-benzodithiophene-based random copolymers for efficient thick-film polymer solar cells via a solvent vapor annealing approach. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4555-4564.	5.5	22
119	Non-doped white organic light-emitting diodes with superior efficiency/color stability by employing ultra-thin phosphorescent emitters. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4250-4256.	5.5	15
120	High color stability and CRI (>80) fluorescent white organic light-emitting diode based pure emission of exciplexes by employing merely complementary colors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 304-311.	5.5	35
121	High-efficiency/CRI/color stability warm white organic light-emitting diodes by incorporating ultrathin phosphorescence layers in a blue fluorescence layer. <i>Nanophotonics</i> , 2018, 7, 295-304.	6.0	128
122	High-yield production of stable antimonene quantum sheets for highly efficient organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23773-23779.	10.3	26
123	Coexistence of Bipolar and Unipolar Resistive Switching Behavior in Ag/ZnMn ₂ O ₄ /p+-Si Device. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 1433-1436.	1.0	1
124	Resistance-switching properties of Bi-doped SrTiO ₃ films for non-volatile memory applications with different device structures. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	1.7	3
125	Excellent optical, dielectric, and ferroelectric properties of Sr(In _{0.5} Nb _{0.5})O ₃ modified K _{0.5} Na _{0.5} NbO ₃ lead-free transparent ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19123-19129.	2.2	15
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