Zixing Wang

List of Publications by Year in Descending Order

56 papers	1,494 citations	22 h-index	38 g-index
59 ext. papers	1,660 ext. citations	5.9 avg, IF	4.36 L-index

#	Paper	IF	Citations
56	Electroplex hosts for highly efficient phosphorescent organic light-emitting diodes with extremely small efficiency roll-offs. *Chemical Engineering Journal*, **2022**, 432, 134314	14.7	3
55	Improving color rendering index of top-emitting white OLEDs with single emitter by using microcavity effects. *Organic Electronics*, **2022**, 100, 106381	3.5	
54	TiCT MXene-Based Micro-Supercapacitors with Ultrahigh Volumetric Energy Density for All-in-One Si-Electronics.. *ACS Nano*, **2022**,	16.7	11
53	High Power Factor Ag/AgSe Composite Films for Flexible Thermoelectric Generators. *ACS Applied Materials & Interfaces*, **2021**, 13, 14327-14333	9.5	15
52	Multiple emission mechanism based four-peak tuning strategy to achieve ultra-high color rendering index and chromatic-stable white organic light emitting diodes. *Optical Materials*, **2021**, 113, 110587	3.3	1
51	Air-Stable Conductive Polymer Ink for Printed Wearable Micro-Supercapacitors. *Small*, **2021**, 17, e2100956	11	24
50	Wearable Bioelectronics: Air-Stable Conductive Polymer Ink for Printed Wearable Micro-Supercapacitors (Small 25/2021). *Small*, **2021**, 17, 2170128	11	1
49	P-13.3: Efficient Blue and Color Tunable White OLED Based on Platinum Complex. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 637-637	0.5	
48	P-13.7: Azaspirobifluorene Derivatives Enhanced Efficiency and Lifetime of Blue Phosphorescent OLEDs. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 648-648	0.5	
47	Co-deposited copper(I) complexes integrating phosphorescence and TADF properties for highly efficient OLEDs. *Journal of Luminescence*, **2021**, 239, 118354	3.8	3
46	Investigation of post-thermal annealing-induced enhancement in photovoltaic performance for squaraine-based organic solar cells. *Frontiers of Materials Science*, **2020**, 14, 81-88	2.5	
45	Synthesis and application of a novel 9,9-diethyl-1,2-diaryl-1,9-dihydrofluoreno[2,3-d]imidazole for blue organic light emitting diode. *Chinese Chemical Letters*, **2020**, 31, 64-66	8.1	1
44	A thermally activated delayed fluorescence exciplex to achieve highly efficient and stable blue and green phosphorescent organic light-emitting diodes.. *RSC Advances*, **2019**, 9, 23810-23817	3.7	6
43	Nitrogen introduction of spirobifluorene to form □ □ □ and □aza-9,9?-spirobifluorenes: New bipolar system for efficient blue organic light-emitting diodes. *Dyes and Pigments*, **2018**, 156, 185-191	4.6	7
42	Synthesis of carboline-based host materials for forming copper(I) complexes as emitters: A promising strategy for achieving high-efficiency and low-cost phosphorescent organic light-emitting diodes. *Dyes and Pigments*, **2018**, 149, 387-392	4.6	7
41	Improved performance of graphene by effectively removing surface poly-methyl methacrylate residual during the process of wet-etching transfer. *Molecular Crystals and Liquid Crystals*, **2017**, 644, 26-35	0.5	1
40	Thermally activated delayed fluorescence of co-deposited copper(I) complexes: cost-effective emitters for highly efficient organic light-emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 6982-6988	7.1	17

39	Manipulation of Thermally Activated Delayed Fluorescence of Blue Exciplex Emission: Fully Utilizing Exciton Energy for Highly Efficient Organic Light Emitting Diodes with Low Roll-Off. *ACS Applied Materials & Interfaces*, **2017**, 9, 21346-21354	9.5	22
38	Synthesis and photophysical properties of carboline derivatives and their applications in OLEDs. *Molecular Crystals and Liquid Crystals*, **2017**, 651, 133-141	0.5	7
37	Stable green phosphorescence organic light-emitting diodes with low efficiency roll-off using a novel bipolar thermally activated delayed fluorescence material as host. *Chemical Science*, **2017**, 8, 1259-1268	9.4	60
36	Highly efficient bipolar host material based-on indole and triazine moiety for red phosphorescent light-emitting diodes. *Dyes and Pigments*, **2016**, 124, 188-195	4.6	26
35	Synthesis, photophysical and optoelectronic properties of quinazoline-centered dyes and their applications in organic light-emitting diodes. *Dyes and Pigments*, **2016**, 125, 299-308	4.6	26
34	Manipulation of electron deficiency of □carboline derivatives as bipolar hosts for blue phosphorescent organic light-emitting diodes with high efficiency at 1000 cd m□. *Journal of Materials Chemistry C*, **2016**, 4, 4226-4235	7.1	25
33	Small organic molecules based on oxazole/thiazole with excellent performances in green and red phosphorescent organic light-emitting diodes. *RSC Advances*, **2016**, 6, 51575-51582	3.7	13
32	Synthesis, electrochemical, photophysical, and electroluminescent properties of organic dyes containing pyrazolo[3, 4-b]quinoline chromophore. *Dyes and Pigments*, **2015**, 121, 138-146	4.6	13
31	Influence of deposition substrate temperature on the morphology and molecular orientation of chloroaluminum phthalocyanine films as well the performance of organic photovoltaic cells. *Nanotechnology*, **2015**, 26, 405202	3.4	7
30	High color rendering index and chromatic-stable white organic light-emitting diodes with single-host double emissive layer structure. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 958-962	1.6	2
29	High color rendering index and chromatic-stable white organic light emitting diodes incorporating excimer and fluorescence emission. *Organic Electronics*, **2013**, 14, 32-37	3.5	24
28	Improved hole-transporting properties of Ir complex-doped organic layer for high-efficiency organic light-emitting diodes. *Organic Electronics*, **2013**, 14, 124-130	3.5	31
27	Single-doped white organic light-emitting device with an external quantum efficiency over 20%. *Advanced Materials*, **2013**, 25, 2573-6	24	131
26	Exploring cyclometalated Ir complexes as donor materials for organic solar cells. *Inorganic Chemistry*, **2013**, 52, 7338-43	5.1	36
25	Enhanced efficiency and reduced roll-off in white organic light-emitting diodes based on two ultra-thin emitting layers. *Physica Status Solidi (A) Applications and Materials Science*, **2013**, 210, 408-412	1.6	8
24	Efficient deep blue electrophosphorescent devices based on platinum(II) bis(n-methyl-imidazolyl)benzene chloride. *Organic Electronics*, **2012**, 13, 1430-1435	3.5	87
23	Sunlight-like, color-temperature tunable white organic light-emitting diode with high color rendering index for solid-state lighting application. *Journal of Materials Chemistry*, **2012**, 22, 22097		42
22	Novel Organic Light-Emitting Diodes to be Used for Plant Growth. *Current Nanoscience*, **2012**, 8, 749-752	1.4	2

21	Difference between photoluminescence and electroluminescence of excimer-based platinum [1, 3-difluoro-4,6-di(2-pyridinyl) benzene]chloride. *Journal Physics D: Applied Physics*, **2011**, 44, 415102	3	14
20	Low roll-off efficiency and chromatic-stable white organic light-emitting diodes based on excimer emission **2011**,		1
19	Facile synthesis and characterization of phosphorescent Pt(N(?)C(?)N)X complexes. *Inorganic Chemistry*, **2010**, 49, 11276-86	5.1	112
18	Efficient Organic Solar Cells Based on Planar Metallophthalocyanines. *Chemistry of Materials*, **2009**, 21, 4256-4260	9.6	73
17	Effect of molecular packing on interfacial recombination of organic solar cells based on palladium phthalocyanine and perylene derivatives. *Applied Physics Letters*, **2009**, 95, 023305	3.4	36
16	Microwave-assisted Synthesis of Perylene-3,4-dicarboximides: Highly Photostable Fluorescent Dyes. *Materials Research Society Symposia Proceedings*, **2008**, 1091, 1		1
15	Highly efficient excimer-based white phosphorescent devices with improved power efficiency and color rendering index. *Applied Physics Letters*, **2008**, 93, 193305	3.4	41
14	Efficient Blue- and White-Emitting Electrophosphorescent Devices Based on Platinum(II) [1,3-Difluoro-4,6-di(2-pyridinyl)benzene] Chloride. *Advanced Materials*, **2008**, 20, 2405-2409	24	190
13	Synthesis and photophysical properties of nonbenzoid ended fluorophores. *Journal of Physical Chemistry B*, **2007**, 111, 10386-96	3.4	11
12	Excellent blue fluorescent trispirobifluorenes: synthesis, optical properties and thermal behaviors. *Tetrahedron Letters*, **2007**, 48, 9112-9115	2	9
11	Synthesis and fluorescence properties of carbazole and fluorene-based compounds. *Journal of Luminescence*, **2007**, 127, 349-354	3.8	51
10	Color tunable, ratiometric pH sensor for high and low pH values base on 9-(cycloheptatrienylidene)fluorene derivatives. *Sensors and Actuators B: Chemical*, **2007**, 122, 389-394	8.5	17
9	Dual-fluorescent donor-acceptor dyad with tercarbazole donor and switchable imide acceptor: promising structure for an integrated logic gate. *Organic Letters*, **2007**, 9, 547-50	6.2	32
8	Blue light-emitting, electron-transporting materials based on ethynyl-linked D-A systems. *Chemical Physics Letters*, **2006**, 423, 293-296	2.5	13
7	Dibenzosuberenylidene-ended fluorophores: rapid and efficient synthesis, characterization, and aggregation-induced emissions. *Journal of Physical Chemistry B*, **2005**, 109, 19627-33	3.4	97
6	Synthesis and characterization of 9-(cycloheptatrienylidene)fluorene derivatives: acid-triggered "switch on"of fluorophores. *Organic Letters*, **2005**, 7, 87-90	6.2	24
5	9-(cycloheptatrienylidene)-fluorene derivative: remarkable ratiometric pH sensor and computing switch with NOR logic gate. *Organic Letters*, **2005**, 7, 3669-72	6.2	77
4	Organosilicon Compounds with Blue Photoluminescence Properties. *Australian Journal of Chemistry* , **2004**, 57, 811	1.2	4

3	Acidic-sensing property of 9-(cycloheptatrienylidene)fluorene by UV-Vis spectroscopy. *Sensors and Actuators B: Chemical*, **2004**, 99, 264-266	8.5	15
2	Blue organic light emitting materials from □conjugated compounds. *Optical Materials*, **2004**, 26, 243-246	3.3	8
1	Exceptionally High Power Factor Ag2Se/Se/Polypyrrole Composite Films for Flexible Thermoelectric Generators. *Advanced Functional Materials*,2106902	15.6	7