

Lin-Song Cui

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58 papers	2,843 citations	29 h-index	53 g-index
60 ext. papers	3,426 ext. citations	9.8 avg, IF	5.36 L-index

#	Paper	IF	Citations
58	Controlling Singlet-Triplet Energy Splitting for Deep-Blue Thermally Activated Delayed Fluorescence Emitters. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1571-1575	16.4	302
57	Highly efficient luminescence from space-confined charge-transfer emitters. <i>Nature Materials</i> , 2020 , 19, 1332-1338	27	182
56	Rational Molecular Design for Deep-Blue Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Functional Materials</i> , 2018 , 28, 1706023	15.6	155
55	Fast spin-flip enables efficient and stable organic electroluminescence from charge-transfer states. <i>Nature Photonics</i> , 2020 , 14, 636-642	33.9	154
54	Pure Hydrocarbon Hosts for 100% Exciton Harvesting in Both Phosphorescent and Fluorescent Light-Emitting Devices. <i>Advanced Materials</i> , 2015 , 27, 4213-7	24	149
53	Controlling Synergistic Oxidation Processes for Efficient and Stable Blue Thermally Activated Delayed Fluorescence Devices. <i>Advanced Materials</i> , 2016 , 28, 7620-5	24	136
52	Long-lived efficient delayed fluorescence organic light-emitting diodes using n-type hosts. <i>Nature Communications</i> , 2017 , 8, 2250	17.4	120
51	Benzimidazobenzothiazole-Based Bipolar Hosts to Harvest Nearly All of the Excitons from Blue Delayed Fluorescence and Phosphorescent Organic Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6864-8	16.4	106
50	Donor-Acceptor Motifs: Thermally Activated Delayed Fluorescence Emitters with Dual Upconversion. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16536-16540	16.4	81
49	Highly Efficient Thermally Activated Delayed Fluorescence via an Unconjugated Donor-Acceptor System Realizing EQE of Over 30. <i>Advanced Materials</i> , 2020 , 32, e2003885	24	76
48	Controlling Singlet-Triplet Energy Splitting for Deep-Blue Thermally Activated Delayed Fluorescence Emitters. <i>Angewandte Chemie</i> , 2017 , 129, 1593-1597	3.6	72
47	Design and Synthesis of Pyrimidine-Based Iridium(III) Complexes with Horizontal Orientation for Orange and White Phosphorescent OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11007-14	9.5	68
46	Efficient light-emitting diodes from mixed-dimensional perovskites on a fluoride interface. <i>Nature Electronics</i> , 2020 , 3, 704-710	28.4	67
45	Highly efficient single-layer organic light-emitting devices based on a bipolar pyrazine/carbazole hybrid host material. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2488-2495	7.1	61
44	Aqueous solution-processed MoO ₃ as an effective interfacial layer in polymer/fullerene based organic solar cells. <i>Organic Electronics</i> , 2013 , 14, 657-664	3.5	61
43	Bipolar host materials for high efficiency phosphorescent organic light emitting diodes: tuning the HOMO/LUMO levels without reducing the triplet energy in a linear system. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 8177	7.1	61
42	Clean surface transfer of graphene films via an effective sandwich method for organic light-emitting diode applications. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 201-207	7.1	52

41	Asymmetric design of bipolar host materials with novel 1,2,4-oxadiazole unit in blue phosphorescent device. <i>Organic Letters</i> , 2014 , 16, 1622-5	6.2	46
40	Spiro-annulated triarylamine-based hosts incorporating dibenzothiophene for highly efficient single-emitting layer white phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6575	7.1	46
39	A simple systematic design of phenylcarbazole derivatives for host materials to high-efficiency phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3967	7.1	45
38	Circularly Polarized Photoluminescence from Chiral Perovskite Thin Films at Room Temperature. <i>ACS Nano</i> , 2020 , 14, 7610-7616	16.7	44
37	Control of conjugation degree via position engineering to highly efficient phosphorescent host materials. <i>Organic Letters</i> , 2014 , 16, 3748-51	6.2	43
36	A solvent-based surface cleaning and passivation technique for suppressing ionic defects in high-mobility perovskite field-effect transistors. <i>Nature Electronics</i> , 2020 , 3, 694-703	28.4	43
35	meta-Linked spirobifluorene/phosphine oxide hybrids as host materials for deep blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2013 , 14, 1924-1930	3.5	42
34	De Novo Design of Boron-Based Host Materials for Highly Efficient Blue and White Phosphorescent OLEDs with Low Efficiency Roll-Off. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20230-6	9.5	38
33	An effective host material with thermally activated delayed fluorescence formed by confined conjugation for red phosphorescent organic light-emitting diodes. <i>Chemical Communications</i> , 2016 , 52, 8149-51	5.8	36
32	Rational Design of Dibenzothiophene-Based Host Materials for PHOLEDs. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2375-2384	3.8	36
31	Novel dibenzothiophene based host materials incorporating spirobifluorene for high-efficiency white phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2013 , 14, 902-908	3.5	35
30	Synthesis of new bipolar host materials based on 1,2,4-oxadiazole for blue phosphorescent OLEDs. <i>Dyes and Pigments</i> , 2014 , 101, 142-149	4.6	33
29	Simplified Hybrid White Organic Light-Emitting Diodes with a Mixed Fluorescent Blue Emitting Layer for Exciton Managing and Lifetime Improving. <i>Advanced Optical Materials</i> , 2016 , 4, 2051-2056	8.1	29
28	Silicon-based material with spiro-annulated fluorene/triphenylamine as host and exciton-blocking layer for blue electrophosphorescent devices. <i>Chemistry - A European Journal</i> , 2013 , 19, 11791-7	4.8	29
27	In Situ Atmospheric Deposition of Ultrasmooth Nickel Oxide for Efficient Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41849-41854	9.5	29
26	Effective host materials for blue/white organic light-emitting diodes by utilizing the twisted conjugation structure in 10-phenyl-9,10-dihydroacridine block. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1402-9	4.5	27
25	The role of fluorine-substitution on the bridge in constructing effective thermally activated delayed fluorescence molecules. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5536-5541	7.1	24
24	New solution-processable small molecules as hole-transporting layer in efficient polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14253	13	24

23	Donor-Acceptor Motifs: Thermally Activated Delayed Fluorescence Emitters with Dual Upconversion. <i>Angewandte Chemie</i> , 2017 , 129, 16763-16767	3.6	22
22	Solution-processable iridium phosphors for efficient red and white organic light-emitting diodes with low roll-off. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1250-1256	7.1	21
21	Low driving voltage simplified tandem organic light-emitting devices by using exciplex-forming hosts. <i>Applied Physics Letters</i> , 2014 , 105, 153302	3.4	21
20	Benzimidazobenzothiazole-Based Bipolar Hosts to Harvest Nearly All of the Excitons from Blue Delayed Fluorescence and Phosphorescent Organic Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2016 , 128, 6978-6982	3.6	20
19	A rational molecular design on choosing suitable spacer for better host materials in highly efficient blue and white phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2014 , 15, 1368-1377	3.5	20
18	Improved host material for electrophosphorescence by positional engineering of spirobifluorene-barbazole hybrids. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8736-8744	7.1	20
17	The study on two kinds of spiro systems for improving the performance of host materials in blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9053-9056	7.1	18
16	Spiro-annulated hole-transport material outperforms NPB with higher mobility and stability in organic light-emitting diodes. <i>Dyes and Pigments</i> , 2014 , 107, 15-20	4.6	18
15	Efficient and Spectrally Stable Blue Perovskite Light-Emitting Diodes Employing a Cationic π -Conjugated Polymer. <i>Advanced Materials</i> , 2021 , 33, e2103640	24	18
14	Efficient blue/white phosphorescent organic light-emitting diodes based on a silicon-based host material via a direct carbon-nitrogen bond. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5347-5353	7.1	15
13	Deep-Red Amplified Spontaneous Emission from cis-Configured Squaraine. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27-31	9.5	15
12	The Control of Conjugation Lengths and Steric Hindrance to Modulate Aggregation-Induced Emission with High Electroluminescence Properties and Interesting Optical Properties. <i>Chemistry - A European Journal</i> , 2016 , 22, 916-24	4.8	13
11	Aminoborane-based bipolar host material for blue and white-emitting electrophosphorescence devices. <i>Organic Electronics</i> , 2017 , 48, 112-117	3.5	11
10	Molecular Design for Blue Thermal Activated Delayed Fluorescence Materials: Substitution Position Effect. <i>Chemistry Letters</i> , 2017 , 46, 1490-1492	1.7	11
9	Novel spiro-based host materials for application in blue and white phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2016 , 37, 108-114	3.5	11
8	High efficiency and low driving voltage blue/white electrophosphorescence enabled by the synergistic combination of singlet and triplet energy of bicarbazole derivatives. <i>Organic Electronics</i> , 2015 , 26, 25-29	3.5	8
7	Solution processable small molecule based organic light-emitting devices prepared by dip-coating method. <i>Organic Electronics</i> , 2018 , 55, 1-5	3.5	8
6	Thermally activated delayed fluorescence of Bis(9,9-dimethyl-9,10-dihydroacridine) dibenzo[b,d]thiophene 5,5-dioxide derivatives for organic light-emitting diodes. <i>Journal of Luminescence</i> , 2017 , 190, 485-491	3.8	6

5	Overcoming Degradation Pathways to Achieve Stable Blue Perovskite Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2022 , 7, 1348-1354	20.1	5
4	A host material consisting of phosphinic amide for efficient sky-blue phosphorescent organic light-emitting diodes. <i>Synthetic Metals</i> , 2015 , 205, 11-17	3.6	4
3	High-triplet-energy Bipolar Host Materials Based on Phosphine Oxide Derivatives for Efficient Sky-blue Thermally Activated Delayed Fluorescence Organic Light-emitting Diodes with Reduced Roll-off. <i>Chemistry Letters</i> , 2019 , 48, 1225-1228	1.7	3
2	Blue OLEDs: Controlling Synergistic Oxidation Processes for Efficient and Stable Blue Thermally Activated Delayed Fluorescence Devices (Adv. Mater. 35/2016). <i>Advanced Materials</i> , 2016 , 28, 7807-7807 ²⁴	7.4	2
1	Large Acene Derivatives with B-N Lewis Pair Doping: Synthesis, Characterization, and Application.. <i>Organic Letters</i> , 2022 ,	6.2	1