Wei Jiang

List of Publications by Year
in descending order

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106	2,915	147786	189881
papers	citations	31 h-index	50 g-index

107	107	107	2504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent progress in solution processable TADF materials for organic light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 5577-5596.	5.5	370
2	Versatile Graphene Quantum Dots with Tunable Nitrogen Doping. Particle and Particle Systems Characterization, 2014, 31, 597-604.	2.3	124
3	High-triplet-energy tri-carbazole derivatives as host materials for efficient solution-processed blue phosphorescent devices. Journal of Materials Chemistry, 2011, 21, 4918.	6.7	122
4	Tuning of Charge Balance in Bipolar Host Materials for Highly Efficient Solution-Processed Phosphorescent Devices. Organic Letters, 2011, 13, 3146-3149.	4.6	102
5	Self-Host Blue Dendrimer Comprised of Thermally Activated Delayed Fluorescence Core and Bipolar Dendrons for Efficient Solution-Processable Nondoped Electroluminescence. ACS Applied Materials & Interfaces, 2017, 9, 7339-7346.	8.0	86
6	Endowing TADF luminophors with AIE properties through adjusting flexible dendrons for highly efficient solution-processed nondoped OLEDs. Chemical Science, 2020, 11, 7194-7203.	7.4	74
7	Novel star-shaped host materials for highly efficient solution-processed phosphorescent organic light-emitting diodes. Journal of Materials Chemistry, 2010, 20, 6131.	6.7	71
8	Gut microbiota in patients with obesity and metabolic disorders â€" a systematic review. Genes and Nutrition, 2022, 17, 2.	2.5	67
9	Self-host thermally activated delayed fluorescent dendrimers with flexible chains: an effective strategy for non-doped electroluminescent devices based on solution processing. Journal of Materials Chemistry C, 2016, 4, 8810-8816.	5.5	66
10	Highly Efficient All-Solution-Processed Fluorescent Organic Light-Emitting Diodes Based on a Novel Self-Host Thermally Activated Delayed Fluorescence Emitter. ACS Applied Materials & Interfaces, 2017, 9, 21900-21908.	8.0	61
11	Bipolar Host with Multielectron Transport Benzimidazole Units for Low Operating Voltage and High Power Efficiency Solution-Processed Phosphorescent OLEDs. ACS Applied Materials & Interfaces, 2015, 7, 7303-7314.	8.0	60
12	Star-shaped dendritic hosts based on carbazole moieties for highly efficient blue phosphorescent OLEDs. Journal of Materials Chemistry, 2012, 22, 12016.	6.7	56
13	Simple aggregationâ€“induced delayed fluorescence materials based on anthraquinone derivatives for highly efficient solutionâ€“processed red OLEDs. Journal of Luminescence, 2017, 187, 414-420.	3.1	55
14	Bioremediation of typical chlorinated hydrocarbons by microbial reductive dechlorination and its key players: A review. Ecotoxicology and Environmental Safety, 2020, 202, 110925.	6.0	52
15	Visualization and Manipulation of Solid-State Molecular Motions in Cocrystallization Processes. Journal of the American Chemical Society, 2021, 143, 9468-9477.	13.7	52
16	Thermally activated delayed fluorescence materials based on 3,6-di-tert-butyl-9-((phenylsulfonyl)phenyl)-9H-carbazoles. Dyes and Pigments, 2014, 111, 135-144.	3.7	46
17	High Power Efficiency Solution-Processed Blue Phosphorescent Organic Light-Emitting Diodes Using Exciplex-Type Host with a Turn-on Voltage Approaching the Theoretical Limit. ACS Applied Materials & Interfaces, 2015, 7, 25129-25138.	8.0	46
18	Near-infrared thermally activated delayed fluorescent dendrimers for the efficient non-doped solution-processed organic light-emitting diodes. Organic Electronics, 2017, 48, 389-396.	2.6	46

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19	Thermally activated delayed fluorescence dendrimers with exciplex-forming dendrons for low-voltage-driving and power-efficient solution-processed OLEDs. Journal of Materials Chemistry C, 2018, 6, 43-49.	5.5	45
20	Design of efficient thermally activated delayed fluorescence blue host for high performance solution-processed hybrid white organic light emitting diodes. Chemical Science, 2019, 10, 3054-3064.	7.4	45
21	Achieving 20% External Quantum Efficiency for Fully Solution-Processed Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence Dendrimers with Flexible Chains. ACS Applied Materials & Interfaces, 2019, 11, 16737-16748.	8.0	45
22	Thermally activated delayed fluorescence materials based on benzophenone derivative as emitter for efficient solution-processed non-doped green OLED. Dyes and Pigments, 2016, 133, 380-386.	3.7	44
23	Alcohol-Soluble Electron-Transport Small Molecule for Fully Solution-Processed Multilayer White Electrophosphorescent Devices. Organic Letters, 2014, 16, 1140-1143.	4.6	42
24	Self-host homoleptic green iridium dendrimers based on diphenylamine dendrons for highly efficient single-layer PhOLEDs. Journal of Materials Chemistry C, 2014, 2, 1104-1115.	5.5	40
25	Enhanced Electron Affinity and Exciton Confinement in Exciplex-Type Host: Power Efficient Solution-Processed Blue Phosphorescent OLEDs with Low Turn-on Voltage. ACS Applied Materials & Interfaces, 2016, 8, 2010-2016.	8.0	38
26	Design of Blue Thermally Activated Delayed Fluorescent Emitter with Efficient Exciton Gathering Property for High-Performance Fully Solution-Processed Hybrid White OLEDs. ACS Applied Materials & Interfaces, 2020, 12, 1190-1200.	8.0	38
27	Design strategy of yellow thermally activated delayed fluorescent dendrimers and their highly efficient non-doped solution-processed OLEDs with low driving voltage. Organic Electronics, 2017, 42, 123-130.	2.6	36
28	Solution-processed efficient deep-blue fluorescent organic light-emitting diodes based on novel 9,10-diphenyl-anthracene derivatives. RSC Advances, 2015, 5, 29708-29717.	3.6	35
29	Bicolour electroluminescence of 2-(carbazol-9-yl)anthraquinone based on a solution process. Journal of Materials Chemistry C, 2017, 5, 12031-12034.	5.5	34
30	Electrochemical degradation of phenol on the La and Ru doped Ti/SnO2-Sb electrodes. Korean Journal of Chemical Engineering, 2012, 29, 1178-1186.	2.7	33
31	Thermally activated delayed fluorescence of N-phenylcarbazole and triphenylamine functionalised tris(aryl)triazines. Dyes and Pigments, 2015, 117, 141-148.	3.7	33
32	Strategy for the Realization of Highly Efficient Solution-Processed All-Fluorescence White OLEDsâ€"Encapsulated Thermally Activated Delayed Fluorescent Yellow Emitters. ACS Applied Materials & Interfaces, 2018, 10, 37335-37344.	8.0	33
33	Molecular coreâ€"shell structure design: Facilitating delayed fluorescence in aggregates toward highly efficient solutionâ€processed OLEDs. Aggregate, 2022, 3, .	9.9	33
34	A high triplet energy small molecule based thermally cross-linkable hole-transporting material for solution-processed multilayer blue electrophosphorescent devices. Journal of Materials Chemistry C, 2015, 3, 243-246.	5.5	31
35	Design of encapsulated hosts and guests for highly efficient blue and green thermally activated delayed fluorescence OLEDs based on a solution-process. Chemical Communications, 2017, 53, 11834-11837.	4.1	31
36	Spatial separation of a TADF sensitizer and fluorescent emitter with a core-dendron system to block the energy loss in deep blue organic light-emitting diodes. Journal of Materials Chemistry C, 2019, 7, 11005-11013.	5.5	30

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37	Ideal Bipolar Host Materials with Bis-benzimidazole Unit for Highly Efficient Solution-Processed Green Electrophosphorescent Devices. Organic Letters, 2014, 16, 5346-5349.	4.6	28
38	Novel aggregation-induced emission and thermally activated delayed fluorescence materials based on thianthrene-9,9â€²,10,10â€²-tetraoxide derivatives. RSC Advances, 2016, 6, 22137-22143.	3.6	28
39	Design of high triplet energy electron transporting material for exciplex-type host: Efficient blue and white phosphorescent OLEDs based on solution processing. Organic Electronics, 2016, 33, 9-14.	2.6	27
40	Spirobifluorene/sulfone hybrid: Highly efficient solution-processable material for UVâ€“violet electrofluorescence, blue and green phosphorescent OLEDs. Organic Electronics, 2014, 15, 1678-1686.	2.6	25
41	CBP derivatives dendronized self-host TADF dendrimer: Achieving efficient non-doped near-infrared organic light-emitting diodes. Dyes and Pigments, 2017, 147, 436-443.	3.7	25
42	Novel carbazole/pyridine-based host material for solution-processed blue phosphorescent organic light-emitting devices. Dyes and Pigments, 2012, 92, 891-896.	3.7	24
43	Fluorescent sensor of fluorene derivatives having phosphonic acid as a fluorogenic ionophore: synthesis and static quenched properties for Fe(III). Tetrahedron Letters, 2014, 55, 5119-5123.	1.4	22
44	A novel, bipolar host based on triazine for efficient solution-processed single-layer green phosphorescent organic light-emitting diodes. Dyes and Pigments, 2014, 101, 9-14.	3.7	21
45	A bipolar homoleptic iridium dendrimer composed of diphenylphosphoryl and diphenylamine dendrons for highly efficient non-doped single-layer green PhOLEDs. Journal of Materials Chemistry C, 2015, 3, 981-984.	5.5	18
46	Discovery of antitumor ursolic acid long-chain diamine derivatives as potent inhibitors of NF-ÎºB. Bioorganic Chemistry, 2018, 79, 265-276.	4.1	18
47	Thermally cross-linkable thermally activated delayed fluorescent materials for efficient blue solution-processed organic light-emitting diodes. Journal of Materials Chemistry C, 2016, 4, 8973-8979.	5.5	17
48	Nondoped deep blue OLEDs based on Bis-(4-benzenesulfonyl-phenyl)-9-phenyl-9 H -carbazoles. Journal of Luminescence, 2016, 172, 7-13.	3.1	17
49	Multi-substituted dibenzo[a,c]phenazine derivatives as solution-processable thermally activated delayed fluorescence materials for orangeâ€“red organic light-emitting diodes. Dyes and Pigments, 2020, 173, 107957.	3.7	17
50	A novel dibenzimidazole-based fluorescent probe with high sensitivity and selectivity for copper ions. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 406, 113018.	3.9	17
51	Exciplex Formation and Electromer Blocking for Highly Efficient Blue Thermally Activated Delayed Fluorescence OLEDs with Allâ€Solutionâ€Processed Organic Layers. Chemistry - A European Journal, 2020, 26, 3090-3102.	3.3	16
52	Manipulation of the sterically hindering effect to realize AIE and TADF for high-performing nondoped solution-processed OLEDs with extremely low efficiency roll-off. Journal of Materials Chemistry C, 2020, 8, 11850-11859.	5.5	16
53	Systematically tuning the Î”E_{ST} and charge balance property of bipolar hosts for low operating voltage and high power efficiency solution-processed electrophosphorescent devices. Journal of Materials Chemistry C, 2015, 3, 5004-5016.	5.5	15
54	Constructing a Novel Dendron for a Selfâ€Host Blue Emitter with Thermally Activated Delayed Fluorescence: Solutionâ€Processed Nondoped Organic Lightâ€Emitting Diodes with Bipolar Charge Transfer and Stable Color Purity. Chemistry - an Asian Journal, 2017, 12, 216-223.	3.3	15

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55	Highly efficient and color tunable thermally activated delayed fluorescent emitters and their applications for the solution-processed OLEDs. Dyes and Pigments, 2017, 139, 326-333.	3.7	15
56	High-performance blue phosphorescent and thermally activated delayed fluorescent solution-processed OLEDs based on exciplex host by modifying TCTA. Organic Electronics, 2019, 67, 136-140.	2.6	15
57	Construction of melamine foamâ€“supported WO3/CsPbBr3 Sâ€“scheme heterojunction with rich oxygen vacancies for efficient and longâ€“period CO2 photoreduction in liquidâ€–phase H2O environment. Chemical Engineering Journal, 2022, 430, 132820.	12.7	14
58	Synthesis of carbazole-based dendrimer: host material for highly efficient solution-processed blue organic electrophosphorescent diodes. Tetrahedron, 2012, 68, 5800-5805.	1.9	13
59	MAAc Ionic Liquid-Assisted Defect Passivation for Efficient and Stable CsPbIBr₂ Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 10584-10592.	5.1	13
60	Modulation of charge transfer and Ï€-Ï€ interaction toward tunable fluorescence emission in binary cocrystals composed of carbazole derivatives and 1,2,4,5-tetracyanobenzene. Dyes and Pigments, 2021, 193, 109519.	3.7	12
61	Synthesis of new bipolar materials based on diphenylphosphine oxide and triphenylamine units: efficient host for deep-blue phosphorescent organic light-emitting diodes. Tetrahedron, 2012, 68, 9672-9678.	1.9	11
62	A carbazole-based dendritic host material for efficient solution-processed blue phosphorescent OLEDs. Dyes and Pigments, 2013, 97, 286-290.	3.7	10
63	Efficient energy transfer in a new hybrid diphenylfluorene derivativeâ€“CdS quantum dot nanocomposite. Nanotechnology, 2013, 24, 435704.	2.6	10
64	Benzonitrile-based AIE polymer host with a simple synthesis process for high-efficiency solution-processable green and blue TADF organic light emitting diodes. Journal of Materials Chemistry C, 2022, 10, 2109-2120.	5.5	10
65	Blocking exciton-quenching pathways in host and guest interfaces for high performance solution-processed TADF OLEDs with external quantum efficiency approaching 25%. Organic Electronics, 2020, 80, 105601.	2.6	9
66	Rational molecular design of novel host material combing intra- and intermolecular charge transfers for efficient solution-processed organic light-emitting diodes. Dyes and Pigments, 2020, 175, 108188.	3.7	9
67	ThermallycFluorescence Materials Based on Triphenylamine/Diphenyl Sulfone. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2015, 31, 1621-1628.	4.9	8
68	Tuning the energy gap and charge balance property of bipolar host by molecular modification: Efficient blue electrophosphorescence devices based on solution-process. Organic Electronics, 2015, 24, 65-72.	2.6	8
69	A novel dibenzimidazole-based fluorescent organic molecule as a turn-off fluorescent probe for Cr3+ ion with high sensitivity and quick response. Journal of Molecular Structure, 2020, 1206, 127696.	3.6	8
70	Carbazole-modified polyphenylene ether as host materials for high efficiency phosphorescent organic light-emitting diodes. Optical Materials, 2020, 101, 109781.	3.6	8
71	Enhanced performances of fully solution-processed OLEDs via introducing flexible chains into thermally cross-linked thermally activated delayed fluorescent materials. Dyes and Pigments, 2020, 182, 108624.	3.7	8
72	Phenylcarbazole/diphenylphosphine oxide-based alcohol soluble host materials for efficient solution-processed multilayer blue electrophosphorescent OLEDs. Dyes and Pigments, 2015, 122, 192-198.	3.7	7

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73	Reduced efficiency roll-off and enhanced excition confinement in exciplex-type host: Electron transport materials based on benzimidazole units. Dyes and Pigments, 2018, 151, 35-44.	3.7	7
74	Constructing host-Ïƒ-guest structures to optimize the efficiency of non-doped solution-processed OLEDs. Journal of Materials Chemistry C, 2021, 9, 1221-1227.	5.5	7
75	A novel thermally-activated delayed fluorescent probe based on hydroxyl as identify group for detection of iron ions. Journal of Molecular Structure, 2022, 1251, 132074.	3.6	7
76	A periphery hindered strategy with a dopant and sensitizer for solution-processed red TSF-OLEDs with high color purity. Journal of Materials Chemistry C, 2022, 10, 5230-5239.	5.5	7
77	Highly Efficient Quasi-2D Perovskite Light-Emitting Diodes Incorporating a TADF Dendrimer as an Exciton-Retrieving Additive. ACS Applied Materials & Interfaces, 2021, 13, 44585-44595.	8.0	6
78	Highly efficient blue all-solution-processed organic light-emitting diodes based on the strategy of constructing a thermally cross-linkable TADF dendrimer. Dyes and Pigments, 2022, 198, 109967.	3.7	6
79	Para-halogenated triphenyltriazine induced surface passivation toward efficient and stable perovskite solar cells. Applied Surface Science, 2022, 590, 153051.	6.1	6
80	Novel ternary exciplex system based on TCTA dendrimer with a new linking type amongst various functional donors. Journal of Materials Science: Materials in Electronics, 2022, 33, 11403-11413.	2.2	6
81	Preparation, thermostability, and spectroscopic properties of Rhodamine 6G intercalated titanoniobate nanocomposite. Journal of Materials Science, 2011, 46, 2431-2436.	3.7	5
82	Enhanced electron affinity and charge balance property of a bipolar material: highly efficient solution-processed deep blue electrofluorescent and green electrophosphorescent devices. RSC Advances, 2015, 5, 66994-67000.	3.6	5
83	High efficiency solution-processed blue electrophosphorescent device with a bipolar host material based on diphenylphosphine oxide unit. New Journal of Chemistry, 2018, 42, 4081-4088.	2.8	5
84	Application and Evolution for Neural Network and Signal Processing in Large-Scale Systems. Complexity, 2021, 2021, 1-7.	1.6	5
85	Endowing deep-red BODIPY luminophors with enhanced aggregation-induced emission by installing miniature rotor of trifluoromethyl for solution-processed OLEDs. Organic Electronics, 2022, 106, 106530.	2.6	5
86	New host materials based on fluorene and benzimidazole units for efficient solution-processed green phosphorescent OLEDs. Optical Materials, 2013, 35, 2201-2207.	3.6	4
87	Impact of Physiciansâ€™ and Patientsâ€™ Compliance on Outcomes of Colonoscopic Polypectomy With Anti-Thrombotic Therapy. Clinical Gastroenterology and Hepatology, 2020, 19, 2559-2566.e1.	4.4	4
88	Organic Small Molecules Host Materials for Blue Phosphorescent Organic Light-Emitting Diodes. Chinese Journal of Organic Chemistry, 2013, 33, 1395.	1.3	4
89	High efficiency branched thermal activated delayed fluorescent probe based on cyanogroup for detecting Fe3+ with low limit of detection. Dyes and Pigments, 2022, 198, 109970.	3.7	4
90	Beam deflection and splitting using transformation optics. Open Physics, 2011, 9, .	1.7	3

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91	Strategy to improve the efficiency of solution-processed phosphorescent organic light-emitting devices by modified TADF host with tert-butyl carbazole. Tetrahedron, 2021, 81, 131869.	1.9	3
92	Aggregation induced intermolecular charge transfer in simple nonconjugated donorâ€“acceptor system. Organic Electronics, 2021, 99, 106309.	2.6	3
93	Creation of efficient solution-processed OLEDs via a strategy of the host-guest system constructing with two small cross-linkable TADF molecules. Organic Electronics, 2022, 101, 106417.	2.6	3
94	Creation of a thermally cross-linkable encapsulated TADF molecule for highly efficient solution-processed hybrid white OLEDs. Organic Electronics, 2022, 102, 106442.	2.6	3
95	Exciton harvesting in quasi-2D perovskite light-emitting diodes with an encapsulated thermally activated delayed fluorescence. Applied Physics Letters, 2021, 119, .	3.3	3
96	Design of matrix-diagonal allocator for efficient network-on-chip routers. , 2017, , .		2
97	A Meroterpenoid Isolated From the Fungus Aspergillus sp.. Natural Product Communications, 2019, 14, 1934578X1987893.	0.5	2
98	Elevating the triplet level of carbazolyl benzonitrile-based dendritic hosts by suppressing intramolecular charge transfer for solution-processed blue thermally activated delayed fluorescence OLEDs. Optical Materials, 2020, 104, 109941.	3.6	2
99	Spatial regulation of electroplex emission via dendritic molecular engineering. Journal of Materials Chemistry C, 0, , .	5.5	2
100	Thermally activated delayed fluorescence fluorescent probe based on triazine as emission core for metal ions detection. Optical Materials, 2021, 119, 111303.	3.6	2
101	Rational design of multi-functional thermally activated delayed fluorescence emitters for both sensor and OLED applications. New Journal of Chemistry, 2022, 46, 10940-10950.	2.8	2
102	Effect of drying and calcination on the toluene combustion activity of a monolithic CuMnAg/Î³Ï£¿Al₂O₃/cordierite catalyst. Journal of Chemical Technology and Biotechnology, 2010, 85, 569-576.	3.2	1
103	Thermally Activated Delayed Fluorescence Materials Based on Carbazole/Sulfone. Advanced Materials Research, 2014, 1044-1045, 158-163.	0.3	1
104	Bis(phosphine oxide)/triphenylamine based material for solution-processed blue electrofluorescent and green electrophosphorescent devices. RSC Advances, 2015, 5, 48654-48658.	3.6	1
105	An effective thermally activated delayed fluorescence host material for highly efficient blue phosphorescent organic light-emitting diodes with low doping concentration. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 388, 112178.	3.9	1
106	Verification of Classification Model and Dendritic Neuron Model Based on Machine Learning. Discrete Dynamics in Nature and Society, 2022, 2022, 1-14.	0.9	1