

Zuolun Zhang

List of Publications by Year in descending order

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236833

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#	ARTICLE	IF	CITATIONS
1	Organoboron compounds constructed through the tautomerization of 1 <i>H</i> -indole to 3 <i>H</i> -indole for red OLEDs. Journal of Materials Chemistry C, 2021, 9, 6834-6840.	2.7	12
2	A TADF Emitter Featuring Linearly Arranged Spiro-Donor and Spiro-Acceptor Groups: Efficient Nondoped and Doped Deep-Blue OLEDs with CIE_{<i>y</i>}<math><lt;0.1</math>. Angewandte Chemie - International Edition, 2021, 60, 9598-9603.	7.2	106
3	A TADF Emitter Featuring Linearly Arranged Spiro-Donor and Spiro-Acceptor Groups: Efficient Nondoped and Doped Deep-Blue OLEDs with CIE_{<i>y</i>}<math><lt;0.1</math>. Angewandte Chemie, 2021, 133, 9684-9689.	1.6	26
4	Self-Waveguide Single-Benzene Organic Crystal with Ultralow-Temperature Elasticity as a Potential Flexible Material. Angewandte Chemie - International Edition, 2020, 59, 23117-23121.	7.2	60
5	Self-Waveguide Single-Benzene Organic Crystal with Ultralow-Temperature Elasticity as a Potential Flexible Material. Angewandte Chemie, 2020, 132, 23317-23321.	1.6	16
6	Molecular-Structure and Device-Configuration Optimizations toward Highly Efficient Green Electroluminescence with Narrowband Emission and High Color Purity. Advanced Optical Materials, 2020, 8, 1902142.	3.6	218
7	Achieving High-Performance Pure-Red Electrophosphorescent Iridium(III) Complexes Based on Optimizing Ancillary Ligands. Chemistry - A European Journal, 2020, 26, 4410-4418.	1.7	11
8	A Flexible Organic Single Crystal with Plastic-Twisting and Elastic-Bending Capabilities and Polarization-Rotation Function. Angewandte Chemie, 2020, 132, 13044-13050.	1.6	29
9	A Flexible Organic Single Crystal with Plastic-Twisting and Elastic-Bending Capabilities and Polarization-Rotation Function. Angewandte Chemie - International Edition, 2020, 59, 12944-12950.	7.2	98
10	Boron-containing D-A-A type TADF materials with tiny singlet-triplet energy splittings and high photoluminescence quantum yields for highly efficient OLEDs with low efficiency roll-offs. Journal of Materials Chemistry C, 2020, 8, 3846-3854.	2.7	26
11	An Organic Crystal with High Elasticity at an Ultra-Low Temperature (77...K) and Shapeability at High Temperatures. Angewandte Chemie, 2019, 131, 19257-19262.	1.6	16
12	An Organic Crystal with High Elasticity at an Ultra-Low Temperature (77...K) and Shapeability at High Temperatures. Angewandte Chemie - International Edition, 2019, 58, 19081-19086.	7.2	68
13	Polymorph-Dependent Luminescence Response to Acid Vapors and Its Application in Safety Protection of File Information. ACS Applied Materials & Interfaces, 2019, 11, 34526-34531.	4.0	12
14	AIE-active organic polymorphs displaying molecular conformation-dependent amplified spontaneous emissions (ASE). Dyes and Pigments, 2018, 149, 284-289.	2.0	27
15	2-(2-Hydroxyphenyl)imidazole-based four-coordinate organoboron compounds with efficient deep blue photoluminescence and electroluminescence. Dalton Transactions, 2018, 47, 127-134.	1.6	22
16	Highly Elastic Organic Crystals for Flexible Optical Waveguides. Angewandte Chemie, 2018, 130, 8584-8588.	1.6	59
17	Highly Elastic Organic Crystals for Flexible Optical Waveguides. Angewandte Chemie - International Edition, 2018, 57, 8448-8452.	7.2	227
18	Structurally simple non-doped sky-blue OLEDs with high luminance and efficiencies at low driving voltages. Journal of Materials Chemistry C, 2017, 5, 1973-1980.	2.7	42

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19	Amplified spontaneous emission, optical waveguide and polarized emission based on 2,5-diaminoterephthalates. <i>Chinese Chemical Letters</i> , 2017, 28, 2129-2132.	4.8	22
20	Single-Molecule-based White-Light Emissive Organic Solids with Molecular-Packing-Dependent Thermally Activated Delayed Fluorescence. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4808-4813.	2.1	72
21	Geometric Shape Regulation and Noncovalent Synthesis of One-Dimensional Organic Luminescent Nano-/Micro-Materials. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3711-3717.	2.1	5
22	Efficient deep-blue OLEDs based on phenanthro[9,10-d]imidazole-containing emitters with AIE and bipolar transporting properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10120-10129.	2.7	82
23	Quinacridone-based π -conjugated electronic materials. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9918-9936.	2.7	62
24	Bis(2-(benzo[d]thiazol-2-yl)-5-fluorophenolate)beryllium: a high-performance electron transport material for phosphorescent organic light-emitting devices. <i>RSC Advances</i> , 2016, 6, 5008-5015.	1.7	10
25	A diphenylamino-substituted quinacridone derivative: red fluorescence based on intramolecular charge-transfer transition. <i>RSC Advances</i> , 2016, 6, 19308-19313.	1.7	17
26	Dicyanomethylenated Acridone Based Crystals: Torsional Vibration Confinement Induced Emission with Supramolecular Structure Dependent and Stimuli Responsive Characteristics. <i>Journal of Physical Chemistry C</i> , 2016, 120, 587-597.	1.5	45
27	Taming the beast: fluoromesityl groups induce a dramatic stability enhancement in boroles. <i>Chemical Science</i> , 2015, 6, 5922-5927.	3.7	86
28	Diboron complexes with bis-spiro structures as high-performance blue emitters for OLEDs. <i>Dalton Transactions</i> , 2015, 44, 14436-14443.	1.6	25
29	A novel tetraphenylsilane-phenanthroimidazole hybrid host material for highly efficient blue fluorescent, green and red phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4394-4401.	2.7	86
30	Structurally simple phenanthroimidazole-based bipolar hosts for high-performance green and red electroluminescent devices. <i>RSC Advances</i> , 2015, 5, 73926-73934.	1.7	14
31	High-contrast and reversible mechanochromic luminescence of a π -conjugated compound with a twisted molecular conformation. <i>RSC Advances</i> , 2015, 5, 71903-71910.	1.7	35
32	Large π -Conjugated Quinacridone Derivatives: Syntheses, Characterizations, Emission, and Charge Transport Properties. <i>Organic Letters</i> , 2015, 17, 6146-6149.	2.4	23
33	Optical and electronic properties of air-stable organoboron compounds with strongly electron-accepting bis(fluoromesityl)boryl groups. <i>Chemical Science</i> , 2015, 6, 308-321.	3.7	128
34	π -Conjugated Triarylboron Compounds with Tunable Push-Pull Character Achieved by Modification of Both the Donor and Acceptor Moieties. <i>Chemistry - A European Journal</i> , 2015, 21, 177-190.	1.7	125
35	Hydroxyphenyl-benzothiazole based full color organic emitting materials generated by facile molecular modification. <i>Journal of Materials Chemistry</i> , 2011, 21, 3568.	6.7	112
36	Diboron-containing fluorophores with extended ladder-type π -conjugated skeletons. <i>Dalton Transactions</i> , 2011, 40, 1279.	1.6	60

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37	Reversible piezo- and photochromic behaviors accompanied by emission color switching of two anthracene-containing organic molecules. <i>Chemical Communications</i> , 2011, 47, 7782.	2.2	115
38	Carbazolyl-contained phenol-pyridyl boron complexes: syntheses, structures, photoluminescent and electroluminescent properties. <i>Dalton Transactions</i> , 2010, 39, 5123.	1.6	24
39	Anthracene-Arrangement-Dependent Emissions of Crystals of 9-Anthrylpyrazole Derivatives. <i>Crystal Growth and Design</i> , 2009, 9, 5069-5076.	1.4	116
40	Luminescent Boron-Contained Ladder-Type π -Conjugated Compounds. <i>Inorganic Chemistry</i> , 2009, 48, 7230-7236.	1.9	89
41	Polymorphs and a pseudo-polymorphs based on a luminescent boron-containing compound: structural diversity arising from conformational isomers and noncovalent interactions. <i>CrystEngComm</i> , 2007, 9, 951.	1.3	13
42	Micelles-template induced organic nanocrystals based on iodo π -nitro interactions. <i>Science Bulletin</i> , 2007, 52, 1307-1310.	1.7	1