

# Jianhua Su

## List of Publications by Year in descending order

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78  
papers

2,481  
citations

218677

26  
h-index

214800

47  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Excited-State Conformational/Electronic Responses of Saddle-Shaped <i>N,N</i> -Disubstituted-Dihydrodibenzo[ <i>a,c</i> ]phenazines: Wide-Tuning Emission from Red to Deep Blue and White Light Combination. <i>Journal of the American Chemical Society</i> , 2015, 137, 8509-8520.	13.7	264
2	Color-Tunable Solid-State Emission of 2,2'-Biindenyl-Based Fluorophores. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11654-11657.	13.8	254
3	Snapshotting the Excited-State Planarization of Chemically Locked <i>N,N</i> -Disubstituted Dihydrodibenzo[ <i>a,c</i> ]phenazines. <i>Journal of the American Chemical Society</i> , 2017, 139, 1636-1644.	13.7	124
4	Highly sensitive determination of low-level water content in organic solvents using novel solvatochromic dyes based on thioxanthone. <i>Chemical Communications</i> , 2013, 49, 7319.	4.1	107
5	Molecular Cursor Caliper: A Fluorescent Sensor for Dicarboxylate Dianions. <i>Journal of the American Chemical Society</i> , 2019, 141, 14798-14806.	13.7	90
6	[1,2,4]Triazolo[1,5- <i>a</i> ]pyridine as Building Blocks for Universal Host Materials for High-Performance Red, Green, Blue and White Phosphorescent Organic Light-Emitting Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5714-5722.	8.0	84
7	Colour-tunable fluorescence of single molecules based on the vibration induced emission of phenazine. <i>Chemical Communications</i> , 2015, 51, 4462-4464.	4.1	79
8	Highly sensitive detection of low-level water content in organic solvents and cyanide in aqueous media using novel solvatochromic AIEE fluorophores. <i>RSC Advances</i> , 2015, 5, 12191-12201.	3.6	78
9	Tuning the Conformation and Color of Conjugated Polyheterocyclic Skeletons by Installing <i>ortho</i> -Methyl Groups. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9880-9884.	13.8	77
10	Dual-Emitting Dihydrophenazines for Highly Sensitive and Ratiometric Thermometry over a Wide Temperature Range. <i>Advanced Optical Materials</i> , 2018, 6, 1800190.	7.3	67
11	The endeavor of vibration-induced emission (VIE) for dynamic emissions. <i>Chemical Science</i> , 2020, 11, 7525-7537.	7.4	56
12	Phenazine-Based Ratiometric Hg <sup>2+</sup> Probes with Well-Resolved Dual Emissions: A New Sensing Mechanism by Vibration-Induced Emission (VIE). <i>Small</i> , 2016, 12, 6542-6546.	10.0	55
13	Vibration-Induced Emission (VIE) of <i>N,N</i> -Disubstituted Dihydrodibenzo[ <i>a,c</i> ]phenazines: Fundamental Understanding and Emerging Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1902803.	14.9	52
14	Tunable Photoluminescence Including White-Light Emission Based on Noncovalent Interaction-Locked <i>N,N</i> -Disubstituted Dihydrodibenzo[ <i>a,c</i> ]phenazines. <i>Advanced Optical Materials</i> , 2018, 6, 1800074.	7.3	47
15	[1,2,4]Triazolo[1,5- <i>a</i> ]pyridine-Based Host Materials for Green Phosphorescent and Delayed-Fluorescence OLEDs with Low Efficiency Roll-Off. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 24689-24698.	8.0	46
16	A new strategy for achieving single-molecular white-light emission: using vibration-induced emission (VIE) plus aggregation-induced emission (AIE) mechanisms as a two-pronged approach. <i>Chemical Communications</i> , 2019, 55, 1879-1882.	4.1	43
17	Phenothiazine Scope: Steric Strain Induced Planarization and Excimer Formation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13297-13301.	13.8	40
18	Ratiometric Hg <sup>2+</sup> /Ag <sup>+</sup> Probes with Orange Red-White-Blue Fluorescence Response Constructed by Integrating Vibration-Induced Emission with an Aggregation-Induced Emission Motif. <i>Chemistry - A European Journal</i> , 2017, 23, 9280-9287.	3.3	39

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19	Novel Bipolar Indole-Based Solution-Processed Host Material for Efficient Green and Red Phosphorescent OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14112-14119.	8.0	38
20	Smart molecular butterfly: an ultra-sensitive and range-tunable ratiometric thermometer based on dihydrophenazines. <i>Materials Horizons</i> , 2020, 7, 615-623.	12.2	37
21	A simple AIE-based chemosensor for highly sensitive and selective detection of Hg <sup>2+</sup> and CN <sup>-</sup> . <i>Tetrahedron</i> , 2016, 72, 5620-5625.	1.9	33
22	Cu-catalyzed C-H amination/Ullmann N-arylation domino reaction: a straightforward synthesis of 9,14-diaryl-9,14-dihydrodibenzo[a,c]phenazine. <i>Chemical Communications</i> , 2016, 52, 5459-5462.	4.1	33
23	Highly efficient bipolar host material based-on indole and triazine moiety for red phosphorescent light-emitting diodes. <i>Dyes and Pigments</i> , 2016, 124, 188-195.	3.7	30
24	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
25	Measuring the Microphase Separation Scale of Polyurethanes with a Vibration-Induced Emission-Based Ratiometric Fluorescent Ruler. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 39351-39358.	8.0	27
26	Vibration-Induced-Emission (VIE) for imaging amyloid $\beta$ fibrils. <i>Faraday Discussions</i> , 2017, 196, 395-402.	3.2	26
27	A simple dihydrophenazine-based chemosensor for the detection of sulfite with turn-on fluorescence. <i>Dyes and Pigments</i> , 2019, 160, 794-798.	3.7	26
28	Supramolecular Assembly-Driven Color-Tuning and White-Light Emission Based on Crown-Ether-Functionalized Dihydrophenazine. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 10875-10882.	8.0	26
29	A novel colorimetric and fluorometric probe for the detection of CN <sup>-</sup> with high selectivity in aqueous media. <i>Dyes and Pigments</i> , 2020, 176, 108224.	3.7	24
30	High thermal-stability benzocarbazole derivatives as bipolar host materials for phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2015, 123, 196-203.	3.7	23
31	Imidazo[1,2-b]pyridazine as Building Blocks for Host Materials for High-Performance Red-Phosphorescent Organic Light-Emitting Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19701-19709.	8.0	23
32	Highly efficient triazine/carbazole-based host material for green phosphorescent organic light-emitting diodes with low efficiency roll-off. <i>RSC Advances</i> , 2017, 7, 7287-7292.	3.6	22
33	Temperature-responsive molecular liquids based on dihydrophenazines for dynamic multicolor-fluorescent anti-counterfeiting and encryption. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2294-2302.	5.9	22
34	Ratiometric Indicator Based on Vibration-Induced Emission for in Situ and Real-Time Monitoring of Gelation Processes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 20205-20212.	8.0	21
35	Light-Responsive Circularly Polarized Luminescence Polymers with INHIBIT Logic Function. <i>Advanced Optical Materials</i> , 2021, 9, 2100135.	7.3	21
36	Efficient organic dyes containing dibenzo heterocycles as conjugated linker part for dye-sensitized solar cells. <i>Tetrahedron</i> , 2013, 69, 1970-1977.	1.9	20

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37	Diversified Excited-State Relaxation Pathways of Donor-Linker-Acceptor Dyads Controlled by a Bent-to-Planar Motion of the Donor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18611-18618.	13.8	20
38	Rigid triarylamine-based Aromatic Iridium A structural organic sensitizers for solar cells: the significant enhancement of open-circuit photovoltage with a long alkyl group. <i>RSC Advances</i> , 2013, 3, 22544.	3.6	19
39	New cyano-substituted organic dyes containing different electrophilic groups: aggregation-induced emission and large two-photon absorption cross section. <i>Tetrahedron</i> , 2014, 70, 7050-7056.	1.9	19
40	[1,2,4]Triazolo[1,5-a]pyridine based host materials for high-performance red PhOLEDs with external quantum efficiencies over 23%. <i>Journal of Luminescence</i> , 2019, 206, 386-392.	3.1	19
41	Novel fluorene-based chemodosimeters for mercury and methylmercury species in aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 185-192.	7.8	18
42	New fluoro- and chromogenic chemosensors for the dual-channel detection of Hg <sup>2+</sup> and F <sup>-</sup> . <i>Tetrahedron Letters</i> , 2014, 55, 4711-4715.	1.4	18
43	Photoconductance from the Bent-to-Planar Photocycle between Ground and Excited States in Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2022, 144, 10042-10052.	13.7	18
44	Bipolar carbazole/quinoxaline-based host materials for efficient red PhOLEDs. <i>Dyes and Pigments</i> , 2018, 150, 185-192.	3.7	17
45	Tuning the Conformation and Color of Conjugated Polyheterocyclic Skeletons by Installing <i>ortho</i> -Methyl Groups. <i>Angewandte Chemie</i> , 2018, 130, 10028-10032.	2.0	17
46	Interplay of Steric Effects and Aromaticity Reversals to Expand the Structural/Electronic Responses of Dihydrophenazines. <i>Journal of the American Chemical Society</i> , 2022, 144, 4883-4896.	13.7	17
47	Polymer-Stretching Photoluminescent Regulation by Doping a Single Fluorescent Molecule. <i>CCS Chemistry</i> , 2022, 4, 3014-3022.	7.8	16
48	Phenazine-based colorimetric and fluorometric probes for rapid recognizing of Hg <sup>2+</sup> with high sensitivity and selectivity. <i>Tetrahedron</i> , 2016, 72, 2300-2305.	1.9	14
49	Small organic molecules based on oxazole/thiazole with excellent performances in green and red phosphorescent organic light-emitting diodes. <i>RSC Advances</i> , 2016, 6, 51575-51582.	3.6	14
50	Mono-Heteroatom Substitution for Harnessing Excited-State Structural Planarization of Dihydrodibenzo[ a,c ]phenazines. <i>Chemistry - A European Journal</i> , 2019, 25, 16755-16764.	3.3	13
51	Photo-stable substituted dihydroindolo[2,3-b]carbazole-based organic dyes: tuning the photovoltaic properties by optimizing the structure for panchromatic DSSCs. <i>Tetrahedron</i> , 2014, 70, 8122-8128.	1.9	12
52	Phenothiazine Scope: Steric Strain Induced Planarization and Excimer Formation. <i>Angewandte Chemie</i> , 2019, 131, 13431-13435.	2.0	12
53	Efficient blue fluorescent organic light-emitting diodes based on novel 9,10-diphenyl-anthracene derivatives. <i>RSC Advances</i> , 2015, 5, 70211-70219.	3.6	11
54	Highly efficient fluorene/indole-based hole transport materials for green PhOLEDs. <i>Dyes and Pigments</i> , 2019, 162, 153-159.	3.7	11

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55	New carbazole-based bipolar hosts for efficient green phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2020, 83, 105672.	2.6	11
56	A series of new bipolar CBP derivatives with introduction of a electron-deficient moiety for efficient green organic light-emitting diodes. <i>Organic Electronics</i> , 2018, 61, 142-150.	2.6	9
57	Combination of Two Colorless Fluorophores for Full-Color Red-Green-Blue Luminescence. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38629-38636.	8.0	9
58	Novel hole transport materials based on triphenylvinyl substituted triarylamine with excellent thermal stability for green OLEDs. <i>Dyes and Pigments</i> , 2021, 195, 109641.	3.7	9
59	Transparent "Flexible" Moldable Low-Temperature Thermometer Constructed by Harnessing Vibration-Induced Emission of Dihydrophenazine in Polydimethylsiloxane. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1636-1642.	4.4	8
60	Modular synthesis of (C-10 to) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 552 Td (C-13)-substituted-9,14-diaryl-9,14-dihydrodibenzo<i>a</i><i>h</i> Buchwald "Hartwig amination and C "H amination strategy. <i>Chemical Communications</i> , 2020, 56, 2260-2263.	4.1	7
61	Tetrabenzeneaza macrocycle: A novel platform for universal high-performance hole transport materials. <i>Dyes and Pigments</i> , 2021, 186, 108981.	3.7	7
62	Novel benzonitrile- and benzo[d]imidazole-based bipolar hosts for green PhOLEDs with a low turn-on voltage. <i>Dyes and Pigments</i> , 2022, 200, 110041.	3.7	7
63	Two novel phenanthrene-based host materials in red and green organic light-emitting devices with low efficiency roll-off. <i>New Journal of Chemistry</i> , 2018, 42, 17975-17982.	2.8	6
64	Donor-conformation-dependent energy transfer for dual-color fluorescent probe with high-resolution imaging. <i>Science China Chemistry</i> , 2021, 64, 1310-1315.	8.2	6
65	Novel Organic Dyes Based on Bulky Tri(triphenylamine) "Substituted Styrene for Dye "Sensitized Solar Cells. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2779-2785.	4.9	5
66	A novel D-A-D-A-D type molecule based on substituted dihydroindolo [3, 2-b] carbazole with large two-photon absorption cross section and excellent aggregation-induced enhanced emission property. <i>Tetrahedron</i> , 2016, 72, 298-303.	1.9	5
67	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
68	Synthesis and device properties of carbazole/benzimidazole-based host materials. <i>Tetrahedron Letters</i> , 2017, 58, 3583-3587.	1.4	3
69	Vibration-Induced Emission: Tunable Photoluminescence Including White-Light Emission Based on Noncovalent Interaction-Locked N ,N "2-Disubstituted Dihydrodibenzo[a ,c ]phenazines (Advanced) Tj ETQq1 1 0.784314 rgBT /Over		
70	Indole-linked triazine-dibenzothiophene/dibenzofuran based host materials for high-efficiency green and red phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2020, 173, 107059.	3.7	3
71	Synthesis, characterization, and electroluminescent properties of indazole, pyrazole, and triazole/triphenylamine-based compounds. <i>Dyes and Pigments</i> , 2020, 173, 106912.	3.7	3
72	New ferrocenyl derivative with controllable aggregation-induced emission (AIE) characteristics. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2010, 5, 241-246.	0.4	2

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73	Diversified Excited-State Relaxation Pathways of Donor-Linker-Acceptor Dyads Controlled by a Bent-Planar Motion of the Donor. <i>Angewandte Chemie</i> , 2020, 132, 18770-18777.	2.0	2
74	Novel carbazole- and dioxino[2,3- <i>b</i> ]pyrazine-based bipolar hosts for red PhOLEDs with a high brightness. <i>New Journal of Chemistry</i> , 0, , .	2.8	2
75	Spatial Confinements Control the Multicolor Solid Fluorescence Based on the Dihydrophenazine Derivative. , 2022, 4, 1462-1467.		2
76	Two spiro[fluorene-9,8 <sup>2</sup> -indolo[3,2,1-de]acridine] derivatives as host materials for green phosphorescent organic light-emitting diodes. <i>Thin Solid Films</i> , 2017, 642, 96-102.	1.8	1
77	Ratiometric Hg <sup>2+</sup> /Ag <sup>+</sup> Probes with Orange Red-White-Blue Fluorescence Response Constructed by Integrating Vibration-Induced Emission with an Aggregation-Induced Emission Motif. <i>Chemistry - A European Journal</i> , 2017, 23, 9205-9205.	3.3	0
78	Bicarbazole/nitrogen heterocycle based bipolar host materials for efficient green phosphorescent organic light-emitting diodes. <i>Tetrahedron</i> , 2020, 76, 130439.	1.9	0