

Haifeng Xiang

List of Publications by Year in descending order

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83
papers

4,399
citations

101384

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106150

65
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101
all docs

101
docs citations

101
times ranked

5743
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-infrared phosphorescence: materials and applications. <i>Chemical Society Reviews</i> , 2013, 42, 6128.	18.7	566
2	Fluorescence Aggregation-Caused Quenching versus Aggregation-Induced Emission: A Visual Teaching Technology for Undergraduate Chemistry Students. <i>Journal of Chemical Education</i> , 2016, 93, 345-350.	1.1	258
3	Tetradentate Schiff base platinum(II) complexes as new class of phosphorescent materials for high-efficiency and white-light electroluminescent devices Electronic supplementary information (ESI) available: synthesis and spectroscopic, thermal (TGA), photophysical, electrochemical and EL characterization; CIF. See http://www.rsc.org/suppdata/cc/b4/b402318h/ . <i>Chemical Communications</i> , 2004, , 1484.	2.2	221
4	Ratiometric optical oxygen sensing: a review in respect of material design. <i>Analyst</i> , 2012, 137, 4885.	1.7	198
5	Efficient White Organic Light-Emitting Devices Based on Phosphorescent Platinum(II)/Fluorescent Dual-Emitting Layers. <i>Advanced Materials</i> , 2007, 19, 3599-3603.	11.1	154
6	Optical Chemosensors Based on Transmetalation of Salen-Based Schiff Base Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 3210-3219.	1.9	131
7	Synthesis and Photophysical Properties of Colorful Salen-Type Schiff Bases. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16552-16563.	1.5	126
8	The $^3(\text{I}^{\text{I}}\text{C}^*)$ Emission of $\text{Cy}_3\text{PAu}(\text{C}^{\text{C}}\text{C})_n\text{AuPCy}_3$ ($n = 3, 4$). Effect of Chain Length upon Acetylenic $^3(\text{I}^{\text{I}}\text{C}^*)$ Emission. <i>Organometallics</i> , 2002, 21, 2343-2346.	1.1	115
9	High-efficiency red electrophosphorescence based on neutral bis(pyrrole)-diimine platinum(II) complex. <i>Chemical Communications</i> , 2005, , 1408.	2.2	103
10	Tunable Fluorescent/Phosphorescent Platinum(II) Porphyrin-Fluorene Copolymers for Ratiometric Dual Emissive Oxygen Sensing. <i>Inorganic Chemistry</i> , 2012, 51, 5208-5212.	1.9	102
11	Ratiometric fluorescent pH probes based on aggregation-induced emission-active salicylaldehyde azines. <i>New Journal of Chemistry</i> , 2015, 39, 492-500.	1.4	101
12	Nanocomposite field effect transistors based on zinc oxide/polymer blends. <i>Applied Physics Letters</i> , 2007, 90, 223509.	1.5	87
13	A High-Performance Organic Field-Effect Transistor Based on Platinum(II) Porphyrin: Peripheral Substituents on Porphyrin Ligand Significantly Affect Film Structure and Charge Mobility. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1092-1103.	1.7	86
14	Synthesis of disulfides and diselenides by copper-catalyzed coupling reactions in water. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2943.	1.5	84
15	Synthesis and photophysical properties of water-soluble sulfonato-Salen-type Schiff bases and their applications of fluorescence sensors for Cu^{2+} in water and living cells. <i>Analytica Chimica Acta</i> , 2012, 735, 96-106.	2.6	76
16	A Simple and Efficient Catalytic System for Coupling Aryl Halides with Aqueous Ammonia in Water. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1854-1857.	1.2	73
17	Unusual Circularly Polarized and Aggregation-Induced Near-Infrared Phosphorescence of Helical Platinum(II) Complexes with Tetradentate Salen Ligands. <i>Chemistry - A European Journal</i> , 2018, 24, 7128-7132.	1.7	66
18	Simple, selective, and sensitive colorimetric and ratiometric fluorescence/phosphorescence probes for platinum(II) based on Salen-type Schiff bases. <i>RSC Advances</i> , 2012, 2, 10529.	1.7	65

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19	Highly Enantioselective Michael Addition of Malononitrile to Vinylogous Imine Intermediates Generated in situ from Arylsulfonyl Indoles. <i>Chemistry - A European Journal</i> , 2010, 16, 10955-10958.	1.7	64
20	Synthesis of 3-indole derivatives by copper sulfonato Salen catalyzed three-component reactions in water. <i>Chemical Communications</i> , 2011, 47, 3912.	2.2	63
21	Improving efficiency of organic photovoltaic cells with pentacene-doped CuPc layer. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	62
22	Synthesis of Dibenzothiophenes by Pd-Catalyzed Dual C-H Activation from Diaryl Sulfides. <i>Chemistry - A European Journal</i> , 2014, 20, 7258-7261.	1.7	62
23	Efficient white and red light emission from GaN/tris-(8-hydroxyquinolato) aluminum/platinum(II) meso-tetrakis(pentafluorophenyl) porphyrin hybrid light-emitting diodes. <i>Applied Physics Letters</i> , 2003, 83, 1518-1520.	1.5	60
24	Colorimetric and fluorescent pH and Cu ²⁺ probes induced by photoisomerization of a maleonitrile-based Salen ligand. <i>Chemical Communications</i> , 2013, 49, 11791.	2.2	60
25	Fluorescent metal ion chemosensors via cation exchange reactions of complexes, quantum dots, and metal-organic frameworks. <i>Analyst</i> , The, 2015, 140, 7082-7115.	1.7	60
26	Palladium-catalyzed para-selective arylation of phenols with aryl iodides in water. <i>Chemical Communications</i> , 2013, 49, 7653.	2.2	59
27	Synthesis of Thioamides by Catalyst-Free Three-Component Reactions in Water. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7054-7057.	1.2	58
28	Palladium-Catalyzed C-H <i>ortho</i> Arylation of Benzoic Acids with Diaryliodonium Salts in Water. <i>ChemCatChem</i> , 2013, 5, 2839-2842.	1.8	58
29	Functionalized Salen ligands linking with non-conjugated bridges: unique and colorful aggregation-induced emission, mechanism, and applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11099-11110.	2.7	55
30	Highly Phosphorescent Planar Chirality by Bridging Two Square-Planar Platinum(II) Complexes: Chirality Induction and Circularly Polarized Luminescence. <i>Journal of the American Chemical Society</i> , 2022, 144, 2233-2244.	6.6	55
31	Method for measurement of the density of thin films of small organic molecules. <i>Review of Scientific Instruments</i> , 2007, 78, 034104.	0.6	54
32	Non-conjugated fluorescent molecular cages of salicylaldehyde-based tri-Schiff bases: AIE, enantiomers, mechanochromism, anion hosts/probes, and cell imaging properties. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1041-1050.	3.2	51
33	Copper(II)-Catalyzed Reactions of Dimethylformamide with Phenylacetonitrile and Sulfur to Form <i>N,N</i> -Dimethylthioamides. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3141-3146.	2.1	41
34	A Class of Multiresponsive Colorimetric and Fluorescent pH Probes via Three Different Reaction Mechanisms of Salen Complexes: A Selective and Accurate pH Measurement. <i>Inorganic Chemistry</i> , 2016, 55, 9221-9229.	1.9	40
35	Unusual Aggregation/Gelation-Induced Phosphorescence of Propeller-Type Binuclear Platinum(II) Enantiomers. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4862-4866.	1.0	40
36	Catalytic hydroalkoxylation of alkenes by iron(III) catalyst. <i>Tetrahedron Letters</i> , 2011, 52, 318-320.	0.7	37

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37	Chiral and non-conjugated fluorescent salen ligands: AIE, anion probes, chiral recognition of unprotected amino acids, and cell imaging applications. <i>RSC Advances</i> , 2017, 7, 40640-40649.	1.7	37
38	1D-helical platinum($\text{Pt}(\text{II})$) complexes bearing metal-induced chirality, aggregation-induced red phosphorescence, and circularly polarized luminescence. <i>Dalton Transactions</i> , 2019, 48, 4420-4428.	1.6	37
39	Palladium-Catalyzed C-H Bond Acylation of Acetanilides with Benzylic Alcohols under Aqueous Conditions. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2463-2469.	1.2	34
40	Transition metal free oxygenation of 8-aminoquinoline amides in water. <i>Green Chemistry</i> , 2018, 20, 2472-2476.	4.6	34
41	Synthesis of 2-Arylindoles by Rhodium-Catalyzed/Copper-Mediated Annulative Coupling of N-Aryl-2-aminopyridines and Propargyl Alcohols via Selective C-H/C-C Activation. <i>Organic Letters</i> , 2019, 21, 7455-7459.	2.4	34
42	Multiple Hydrogen Bonds Promoted ESIPT and AIE-active Chiral Salicylaldehyde Hydrazide. <i>Chinese Journal of Chemistry</i> , 2018, 36, 698-707.	2.6	32
43	Axially Chiral Bis-Cycloplatinated Binaphthalenes and Octahydro-Binaphthalenes for Efficient Circularly Polarized Phosphorescence in Solution-Processed Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2021, 60, 13557-13566.	1.9	30
44	Synthesis of phenazines by Cu-catalyzed homocoupling of 2-halogen anilines in water. <i>Journal of Organometallic Chemistry</i> , 2012, 705, 75-78.	0.8	29
45	Deep-red to near-infrared electrophosphorescence based on bis(8-hydroxyquinolato) platinum(II) complexes. <i>Applied Physics Letters</i> , 2008, 92, 163305.	1.5	28
46	Bis(5,7-dimethyl-8-hydroxyquinolino)platinum(II) Complex for Efficient Organic Heterojunction Solar Cells. <i>Chemistry - an Asian Journal</i> , 2011, 6, 3223-3229.	1.7	28
47	Rhodium-Catalyzed Transarylation of Benzamides: C-C Bond vs C-N Bond Activation. <i>ACS Catalysis</i> , 2020, 10, 3398-3403.	5.5	27
48	Organic field-effect transistors fabricated with N,N ² -substituted dialkyl-1,3,8,10-tetramethylquinacridone compounds. <i>Applied Physics Letters</i> , 2009, 95, 123305.	1.5	25
49	Smart, chiral, and nonconjugated cyclohexane-based bis-salicylaldehyde hydrazides: multi-stimuli-responsive, turn-on, ratiometric, and thermochromic fluorescence, single-crystal structures via DFT calculations. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6767-6778.	2.7	25
50	Solid-state photochromic molecular switches based on axially chiral and helical spiropyrans. <i>Dyes and Pigments</i> , 2020, 181, 108597.	2.0	25
51	A simple and visual approach for enantioselective recognition through supramolecular gels with specific selectivity. <i>Chemical Communications</i> , 2019, 55, 9873-9876.	2.2	23
52	Photophysical properties and pH sensing applications of luminescent salicylaldehyde derivatives. <i>Research on Chemical Intermediates</i> , 2016, 42, 5027-5048.	1.3	22
53	Syntheses, crystal structures, chirality and aggregation-induced phosphorescence of stacked binuclear platinum($\text{Pt}(\text{II})$) complexes with bridging Salen ligands. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1199-1208.	3.2	22
54	Design and Synthesis of 2-Methyl-7-aminobenzoxazole as Auxiliary in the Palladium(II)-Catalyzed Arylation of a β -Positioned C(sp ³) ₃ -C-H Bond. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 887-893.	2.1	21

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55	Rhodium-Catalyzed Pyridine <i>N</i> -Oxide Assisted Suzuki–Miyaura Coupling Reaction via C(O)–C Bond Activation. <i>Organic Letters</i> , 2019, 21, 9790-9794.	2.4	20
56	Detection of Fe ³⁺ and Al ³⁺ by Test Paper. <i>Journal of Chemical Education</i> , 2012, 89, 559-560.	1.1	19
57	Nickel-Catalyzed Synthesis of an Aryl Nitrile via Aryl Exchange between an Aromatic Amide and a Simple Nitrile. <i>ACS Catalysis</i> , 2022, 12, 4688-4695.	5.5	18
58	Room-Temperature Phosphorescence of Pure Axially Chiral Bicarbazoles. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5838-5844.	2.1	18
59	Synthesis of 2-substituted benzo[<i>b</i>]thiophene via a Pd-catalyzed coupling of 2-iodothiophenol with phenylacetylene. <i>RSC Advances</i> , 2017, 7, 7753-7757.	1.7	17
60	Microwave-assisted copper-catalyzed hydroxylation of aryl halides in water. <i>RSC Advances</i> , 2013, 3, 22837.	1.7	16
61	Palladium-catalyzed direct arylation of phenols with aryl iodides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3571-3574.	1.5	15
62	Structure–charge transport relationship of 5,15-dialkylated porphyrins. <i>Chemical Communications</i> , 2012, 48, 5139.	2.2	14
63	Nonconjugated Fluorescent Molecular Cages of Trinuclear Fluoroborate Complexes with Salicylaldehyde-Based Schiff Base Ligands. <i>ACS Omega</i> , 2018, 3, 8992-9002.	1.6	13
64	Multi-stimuli-responsive fluorescence of axially chiral 4-ene- β -diketones. <i>Dyes and Pigments</i> , 2021, 184, 108851.	2.0	12
65	Field-effect transistor fabricated with nickel(II) etioporphyrin-I micrometer-sized crystals. <i>Applied Physics Letters</i> , 2008, 93, 223305.	1.5	11
66	Star-configured carbazole as an efficient near-ultraviolet emitter and hole-transporting material for organic light-emitting devices. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	11
67	Synthesis of α -Ketoamides by Copper-Catalyzed Reactions of Phenylacetic Acids with <i>N,N</i> -Dialkylformamides. <i>Synthetic Communications</i> , 2015, 45, 1848-1856.	1.1	10
68	Rhodium(III)-Catalyzed Thiolation of Azobenzenes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 439-443.	1.3	10
69	Palladium-catalyzed C(carbonyl)–C bond cleavage of amides: a facile access to phenylcarbamate derivatives with alcohols. <i>Chemical Communications</i> , 2018, 54, 8606-8609.	2.2	10
70	Reversible Chromatic Change of Supramolecular Gels for Visual and Selective Chiral Recognition of Histidine. <i>ACS Applied Bio Materials</i> , 2020, 3, 7236-7242.	2.3	10
71	Synthesis of 2-Arylbenzothiazoles by Copper-Catalyzed One-Pot Three-Component Reactions in Water. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1207-1213.	1.4	9
72	Metal–Insulator–Metal Transistors. <i>Advanced Materials</i> , 2008, 20, 2120-2124.	11.1	8

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73	Syntheses and photophysical properties of axially chiral thiazolothiazoles: Multi-stimuli-responsive fluorescence and circularly polarized luminescence. <i>Dyes and Pigments</i> , 2022, 197, 109906.	2.0	8
74	Rhodium-catalyzed annulative coupling of N-aryl-2-aminopyridine and propargylic amine via selective C–C and C–H bond activation. <i>Chemical Communications</i> , 2020, 56, 2284-2287.	2.2	7
75	Quaternary ammonium salt as alkylation agent in three-component reactions for the synthesis of benzothiazoles in water. <i>RSC Advances</i> , 2014, 4, 27775-27779.	1.7	6
76	Rh(III)-Catalyzed C–H Amination of Azobenzenes with Anthranils. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1844-1848.	1.3	6
77	Ultralow-Molecular-Weight Stimuli-Responsive and Multifunctional Supramolecular Gels Based on Monomers and Trimers of Hydrazides. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3370-3378.	1.7	6
78	Selective Activation of Unstrained C(O)–C Bond in Ketone Suzuki–Miyaura Coupling Reaction Enabled by Hydride-Transfer Strategy. <i>Organic Letters</i> , 2022, 24, 1372-1377.	2.4	6
79	Organic, polymer, and organic/inorganic hybrid light-emitting devices based on phosphorescent fluorinated platinum(II) porphyrin. , 2004, 5519, 218.		4
80	Fluorescent Zn ^{II} Chemosensor Mediated by a 1,8-Naphthyridine Derivative and Its Photophysical Properties. <i>ChemistryOpen</i> , 2018, 7, 639-644.	0.9	3
81	High-efficiency electrophosphorescent organic light-emitting devices based on Schiff base platinum(II) complexes. , 2004, , .		2
82	Water-soluble porphyrin-based logic gates. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 72-76.	0.4	2
83	Synthesis and Structure and Optical Properties of a Zinc(II) Tetrakis(phenylbutadiynyl)porphyrin. <i>Heterocycles</i> , 2012, 85, 1987.	0.4	2