

Huimin Guo

List of Publications by Year in descending order

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72
papers

6,717
citations

66343
42
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88630
70
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docs citations

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times ranked

6469
citing authors

#	ARTICLE	IF	CITATIONS
1	Excited state intramolecular proton transfer (ESIPT): from principal photophysics to the development of new chromophores and applications in fluorescent molecular probes and luminescent materials. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8803-8817.	2.8	966
2	Triplet-triplet annihilation based upconversion: from triplet sensitizers and triplet acceptors to upconversion quantum yields. <i>RSC Advances</i> , 2011, 1, 937.	3.6	562
3	Organic Triplet Sensitizer Library Derived from a Single Chromophore (BODIPY) with Long-Lived Triplet Excited State for Triplet-Triplet Annihilation Based Upconversion. <i>Journal of Organic Chemistry</i> , 2011, 76, 7056-7064.	3.2	353
4	Geometry Relaxation-Induced Large Stokes Shift in Red-Emitting Borondipyrromethenes (BODIPY) and Applications in Fluorescent Thiol Probes. <i>Journal of Organic Chemistry</i> , 2012, 77, 2192-2206.	3.2	250
5	A highly selective red-emitting FRET fluorescent molecular probe derived from BODIPY for the detection of cysteine and homocysteine: an experimental and theoretical study. <i>Chemical Science</i> , 2012, 3, 1049-1061.	7.4	245
6	Rational Design of d-PeT Phenylethynylated-Carbazole Monoboronic Acid Fluorescent Sensors for the Selective Detection of H^+ -Hydroxyl Carboxylic Acids and Monosaccharides. <i>Journal of the American Chemical Society</i> , 2009, 131, 17452-17463.	13.7	230
7	Ruthenium(II) Polyimine Complexes with a Long-Lived ^3IL Excited State or a $^3\text{MLCT}/^3\text{IL}$ Equilibrium: Efficient Triplet Sensitizers for Low-Power Upconversion. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1626-1629.	13.8	211
8	Tuning the luminescence lifetimes of ruthenium(ii) polypyridine complexes and its application in luminescent oxygen sensing. <i>Journal of Materials Chemistry</i> , 2010, 20, 1953.	6.7	182
9	A Highly Selective OFF-ON Red-Emitting Phosphorescent Thiol Probe with Large Stokes Shift and Long Luminescent Lifetime. <i>Organic Letters</i> , 2010, 12, 2876-2879.	4.6	176
10	Transition metal complexes with strong absorption of visible light and long-lived triplet excited states: from molecular design to applications. <i>RSC Advances</i> , 2012, 2, 1712-1728.	3.6	176
11	Fluorescent coumarin derivatives with large stokes shift, dual emission and solid state luminescent properties: An experimental and theoretical study. <i>Dyes and Pigments</i> , 2012, 92, 1361-1369.	3.7	149
12	Styryl-BODIPY based red-emitting fluorescent OFF-ON molecular probe for specific detection of cysteine. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3012-3017.	10.1	145
13	Highly selective fluorescent OFF-ON thiol probes based on dyads of BODIPY and potent intramolecular electron sink 2,4-dinitrobenzenesulfonyl subunits. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3844.	2.8	143
14	Long-Lived Room-Temperature Near-IR Phosphorescence of BODIPY in a Visible-Light-Harvesting $\text{N}^+\text{C}^-\text{N}$ Pt^{II} -Acetylide Complex with a Directly Metalated BODIPY Chromophore. <i>Chemistry - A European Journal</i> , 2012, 18, 1961-1968.	3.3	140
15	Tuning the emissive triplet excited states of platinum(ii) Schiff base complexes with pyrene, and application for luminescent oxygen sensing and triplet-triplet-annihilation based upconversions. <i>Dalton Transactions</i> , 2011, 40, 11550.	3.3	121
16	Visible-light harvesting iridium complexes as singlet oxygen sensitizers for photooxidation of 1,5-dihydroxynaphthalene. <i>Chemical Communications</i> , 2012, 48, 4169.	4.1	121
17	Colorimetric and Ratiometric Fluorescent Chemosensor Based on Diketopyrrolopyrrole for Selective Detection of Thiols: An Experimental and Theoretical Study. <i>Journal of Organic Chemistry</i> , 2011, 76, 9294-9304.	3.2	116
18	Naphthalimide Phosphorescence Finally Exposed in a Platinum(II) Diimine Complex. <i>Inorganic Chemistry</i> , 2010, 49, 6802-6804.	4.0	114

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19	Accessing the long-lived emissive 3IL triplet excited states of coumarin fluorophores by direct cyclometallation and its application for oxygen sensing and upconversion. Dalton Transactions, 2011, 40, 5953.	3.3	114
20	Ruthenium(II) Polyimine-Coumarin Dyad with Non-emissive ³ IL Excited State as Sensitizer for Triplet-Triplet Annihilation Based Upconversion. Angewandte Chemie - International Edition, 2011, 50, 8283-8286.	13.8	109
21	Coumarin phosphorescence observed with N ^N Pt(ii) bisacetylde complex and its applications for luminescent oxygen sensing and triplet-triplet-annihilation based upconversion. Dalton Transactions, 2011, 40, 7834.	3.3	106
22	Visible-Light Harvesting with Cyclometalated Iridium(III) Complexes Having Long-Lived ³ IL Excited States and Their Application in Triplet-Triplet Annihilation Based Upconversion. European Journal of Inorganic Chemistry, 2011, 2011, 3165-3173.	2.0	103
23	Accessing the long-lived near-IR-emissive triplet excited state in naphthalenediimide with light-harvesting diimine platinum(ii) bisacetylde complex and its application for upconversion. Dalton Transactions, 2011, 40, 9085.	3.3	102
24	Room-Temperature Long-Lived Triplet Excited States of Naphthalenediimides and Their Applications as Organic Triplet Photosensitizers for Photooxidation and Triplet-Triplet Annihilation Upconversions. Journal of Organic Chemistry, 2012, 77, 3933-3943.	3.2	99
25	Thienyl-substituted BODIPYs with strong visible light-absorption and long-lived triplet excited states as organic triplet sensitizers for triplet-triplet annihilation upconversion. RSC Advances, 2012, 2, 3942.	3.6	94
26	Tuning the emission properties of cyclometalated platinum(II) complexes by intramolecular electron-sink/arylethynylated ligands and its application for enhanced luminescent oxygen sensing. Journal of Materials Chemistry, 2010, 20, 9775.	6.7	82
27	Long-Lived Room Temperature Deep-Red/Near-IR Emissive Intraligand Triplet Excited State (³ IL) of Naphthalimide in Cyclometalated Platinum(II) Complexes and Its Application in Upconversion. Inorganic Chemistry, 2011, 50, 11446-11460.	4.0	82
28	Enantioselective Recognition of Mandelic Acid by a 3,6-Dithiophen-2-yl-9 <i>H</i> -carbazole-Based Chiral Fluorescent Bisboronic Acid Sensor. Journal of Organic Chemistry, 2011, 76, 5685-5695.	3.2	81
29	Ratiometric luminescent molecular oxygen sensors based on uni-luminophores of C ^N Pt(ii)(acac) complexes that show intense visible-light absorption and balanced fluorescence/phosphorescence dual emission. Chemical Communications, 2011, 47, 11471.	4.1	75
30	The Phot LOV2 Domain and Its Interaction with LOV1. Biophysical Journal, 2005, 89, 402-412.	0.5	72
31	Long-lived emissive intra-ligand triplet excited states (3IL): next generation luminescent oxygen sensing scheme and a case study with red phosphorescent diimine Pt(ii) bis(acetylde) complexes containing ethynylated naphthalimide or pyrene subunits. Analyst, The, 2010, 135, 2832.	3.5	72
32	Ruthenium(II)-Polyimine-Coumarin Light-Harvesting Molecular Arrays: Design Rationale and Application for Triplet-Triplet Annihilation-Based Upconversion. Chemistry - A European Journal, 2012, 18, 4953-4964.	3.3	72
33	Effect of the Electron Donor/Acceptor Orientation on the Fluorescence Transduction Efficiency of the d-PET Effect of Carbazole-Based Fluorescent Boronic Acid Sensors. Journal of Organic Chemistry, 2010, 75, 2578-2588.	3.2	71
34	Tuning the photophysical properties of N ^N Pt(ii) bisacetylde complexes with fluorene moiety and its applications for triplet-triplet-annihilation based upconversion. Journal of Materials Chemistry, 2012, 22, 5319.	6.7	64
35	Tuning the Emission Colour of Triphenylamine-Capped Cyclometallated Platinum(II) Complexes and Their Application in Luminescent Oxygen Sensing and Organic Light-Emitting Diodes. European Journal of Inorganic Chemistry, 2010, 2010, 4683-4696.	2.0	61
36	The synthesis of 5,10,15,20-tetraarylporphyrins and their platinum(II) complexes as luminescent oxygen sensing materials. Dyes and Pigments, 2011, 89, 199-211.	3.7	61

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37	Room-Temperature Long-Lived ^3IL Excited State of Rhodamine in an N^{N} Pt^{II} Bis(acetylide) Complex with Intense Visible-Light Absorption. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4527-4533.	2.0	57
38	Molecular Rotors as Fluorescent Viscosity Sensors: Molecular Design, Polarity Sensitivity, Dipole Moments Changes, Screening Solvents, and Deactivation Channel of the Excited States. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 4773-4787.	2.4	55
39	Observation of Room-Temperature Deep-Red/Near-IR Phosphorescence of Pyrene with Cycloplatinated Complexes: An Experimental and Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4470-4482.	2.0	52
40	Thiophene-Inserted Aryl-Dicyanovinyl Compounds: The Second Generation of Fluorescent Molecular Rotors with Significantly Redshifted Emission and Large Stokes Shift. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6100-6109.	2.4	52
41	Chiral Donor Photoinduced Electron-Transfer (dPET) Boronic Acid Chemosensors for the Selective Recognition of Tartaric Acids, Disaccharides, and Ginsenosides. <i>Chemistry - A European Journal</i> , 2011, 17, 7632-7644.	3.3	51
42	Visible light-harvesting cyclometalated Ir(III) complexes as triplet photosensitizers for triplet-triplet annihilation based upconversion. <i>Dalton Transactions</i> , 2012, 41, 10680.	3.3	47
43	Efficient Triplet-Triplet Annihilation Upconversion with Platinum(II) Bis(arylacetylide) Complexes That Show Long-Lived Triplet Excited States. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3183-3190.	2.0	36
44	Green light-excitable naphthalenediimide acetylide-containing cyclometalated Ir(III) complex with long-lived triplet excited states as triplet photosensitizers for triplet-triplet annihilation upconversion. <i>Dalton Transactions</i> , 2013, 42, 6478.	3.3	34
45	Supramolecular Photoinduced Electron Transfer between a Redox-Active Hexanuclear Metal-Organic Cylinder and an Encapsulated Ruthenium(II) Complex. <i>Chemistry - A European Journal</i> , 2016, 22, 5253-5260.	3.3	29
46	Efficient Photooxidation of Sulfides with Amidated Alloxazines as Heavy-atom-free Photosensitizers. <i>ACS Omega</i> , 2020, 5, 10586-10595.	3.5	29
47	Fluorene as π -conjugation linker in N^{N} Pt^{II} bisacetylide complexes and their applications for triplet-triplet annihilation based upconversion. <i>Journal of Materials Chemistry</i> , 2012, 22, 15757.	6.7	28
48	Flavin Dibromide as an Efficient Sensitizer for Photooxidation of Sulfides. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15254-15263.	6.7	27
49	Enhanced luminescence oxygen sensing property of Ru(II) bispyridine complexes by ligand modification. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 395-406.	7.8	25
50	BF ₂ -bound chromophore-containing N^{N} Pt^{II} bisacetylide complex and its application as sensitizer for triplet-triplet annihilation based upconversion. <i>RSC Advances</i> , 2012, 2, 1061-1067.	3.6	23
51	Aggregation-Induced Emission (AIE) Fluorophore Exhibits a Highly Ratiometric Fluorescent Response to Zn^{2+} in vitro and in Human Liver Cancer Cells. <i>Chemistry - A European Journal</i> , 2017, 23, 13067-13075.	3.3	23
52	Potentiometric measurement of ascorbate by using a solvent polymeric membrane electrode. <i>Talanta</i> , 2008, 75, 851-855.	5.5	17
53	Tuning the emission property of carbazole-capped cyclometalated platinum(II) complexes and its application for enhanced luminescent oxygen sensing. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2388-2398.	1.8	16
54	Synthesis and photophysical properties of ruthenium(II) polyimine complexes decorated with flavin. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17504-17516.	2.8	16

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55	Oxygen Adsorption and Diffusion on NiTi Alloy (100) Surface: A Theoretical Study. Journal of Physical Chemistry C, 2012, 116, 21771-21779.	3.1	15
56	Enhanced Enantioselective Recognition with Diastereoisomeric BINOL Based Chiral Fluorescent Boronic Acid Sensors. Journal of Fluorescence, 2011, 21, 2077-2084.	2.5	13
57	Fe atoms trapped on graphene as a potential efficient catalyst for room-temperature complete oxidation of formaldehyde: a first-principles investigation. Catalysis Science and Technology, 2017, 7, 2012-2021.	4.1	13
58	Synthesis of Ethynylated Phenothiazine Based Fluorescent Boronic Acid Probes. Journal of Fluorescence, 2011, 21, 1143-1154.	2.5	12
59	An enzyme-free glucose sensor based on a difunctional diboronic acid for molecular recognition and potentiometric transduction. RSC Advances, 2015, 5, 13805-13808.	3.6	12
60	TEA incorporated CS blend composite membrane for high CO ₂ separation performance. RSC Advances, 2016, 6, 27016-27019.	3.6	11
61	Synthesis of polypyridyl ruthenium complexes with 2-(1-aryl)-1H-imidazo[4,5-f]-1,10-phenanthroline ligand and its application for luminescent oxygen sensing. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2010, 5, 193-199.	0.4	8
62	Phenylacetylide ligand mediated tuning of visible-light absorption, room temperature phosphorescence lifetime and triplet-triplet annihilation based up-conversion of a diimine Pt(II) bisacetylide complex. Dyes and Pigments, 2013, 99, 908-915.	3.7	7
63	Lighting the Flavin Decorated Ruthenium(II) Polyimine Complexes: A Theoretical Investigation. Inorganic Chemistry, 2019, 58, 8486-8493.	4.0	7
64	Ethynylated Triphenylamine Monoboronic acid Chemosensors: Experimental and Theoretical Studies. Journal of Fluorescence, 2010, 20, 1255-1265.	2.5	5
65	Enantioselective Recognition of Tartaric Acids with Ethynylated Carbazole-Based Chiral Bisboronic Acid Chemosensors with Improved Response at Acidic pH. Journal of Fluorescence, 2011, 21, 1979-1986.	2.5	5
66	Photophysical properties of <i>N</i> -methyl and <i>N</i> -acetyl substituted alloxazines: a theoretical investigation. Physical Chemistry Chemical Physics, 2021, 23, 13734-13744.	2.8	4
67	Encapsulation of Flavin Cofactor within a Manganese Porphyrin-Based Metal-Organic Polyhedron for Reductive Dioxxygen Activation. Inorganic Chemistry, 2020, 59, 2636-2640.	4.0	3
68	Boosting Sulfides Photooxidation by Fusing Naphthalimide and Flavin together. Physical Chemistry Chemical Physics, 0, , .	2.8	3
69	Molecular Dynamics Study on Superheating of Ni at High Heating Rates. , 2009, , .		2
70	Melting of Bulk Gold During Continuous Heating: A Molecular Dynamics Study. , 2010, , .		1
71	Notice of Retraction: Non-equilibrium Melting of Bulk Aluminum: A Molecular Dynamics Study. , 2010, , .		1
72	Detection of Phenolate with a Solvent Polymeric Membrane Electrode. , 2009, , .		0