Huimin Guo

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	Encapsulation of Flavin Cofactor within a Manganese Porphyrin-Based Metal–Organic Polyhedron for Reductive Dioxygen Activation. Inorganic Chemistry, 2020, 59, 2636-2640.	4.0	3
3	Efficient Photooxidation of Sulfides with Amidated Alloxazines as Heavy-atom-free Photosensitizers. ACS Omega, 2020, 5, 10586-10595.	3.5	29
4	Lighting the Flavin Decorated Ruthenium(II) Polyimine Complexes: A Theoretical Investigation. Inorganic Chemistry, 2019, 58, 8486-8493.	4.0	7
5	Flavin Dibromide as an Efficient Sensitizer for Photooxidation of Sulfides. ACS Sustainable Chemistry and Engineering, 2018, 6, 15254-15263.	6.7	27
6	Synthesis and photophysical properties of ruthenium(<scp>ii</scp>) polyimine complexes decorated with flavin. Physical Chemistry Chemical Physics, 2018, 20, 17504-17516.	2.8	16
7	Aggregationâ€Induced Emission (AIE) Fluorophore Exhibits a Highly Ratiometric Fluorescent Response to Zn ²⁺ in vitro and in Human Liver Cancer Cells. Chemistry - A European Journal, 2017, 23, 13067-13075.	3.3	23
8	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
9	TEA incorporated CS blend composite membrane for high CO ₂ separation performance. RSC Advances, 2016, 6, 27016-27019.	3.6	11
10	Supramolecular Photoinduced Electron Transfer between a Redoxâ€Active Hexanuclear Metal–Organic Cylinder and an Encapsulated Ruthenium(II) Complex. Chemistry - A European Journal, 2016, 22, 5253-5260.	3.3	29
11	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
12	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
13	Green light-excitable naphthalenediimide acetylide-containing cyclometalated Ir(iii) complex with long-lived triplet excited states as triplet photosensitizers for triplet–triplet annihilation upconversion. Dalton Transactions, 2013, 42, 6478.	3.3	34
14	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
15	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
16	Transition metal complexes with strong absorption of visible light and long-lived triplet excited states: from molecular design to applications. RSC Advances, 2012, 2, 1712-1728.	3.6	176
17	Tuning the photophysical properties of N^N Pt(ii) bisacetylide complexes with fluorene moiety and its applications for triplet–triplet-annihilation based upconversion. Journal of Materials Chemistry, 2012, 22, 5319.	6.7	64
18	Oxygen Adsorption and Diffusion on NiTi Alloy (100) Surface: A Theoretical Study. Journal of Physical Chemistry C, 2012, 116, 21771-21779.	3.1	15

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19	BF2-bound chromophore-containing NâNPt(ii) bisacetylide complex and its application as sensitizer for triplet–triplet annihilation based upconversion. RSC Advances, 2012, 2, 1061-1067.	3.6	23
20	Visible light-harvesting cyclometalated Ir(iii) complexes as triplet photosensitizers for triplet–triplet annihilation based upconversion. Dalton Transactions, 2012, 41, 10680.	3.3	47
21	A highly selective red-emitting FRET fluorescent molecular probe derived from BODIPY for the detection of cysteine and homocysteine: an experimental and theoretical study. Chemical Science, 2012, 3, 1049-1061.	7.4	245
22	Fluorene as π-conjugation linker in N^N Pt(ii) bisacetylide complexes and their applications for triplet–triplet annihilation based upconversion. Journal of Materials Chemistry, 2012, 22, 15757.	6.7	28
23	Geometry Relaxation-Induced Large Stokes Shift in Red-Emitting Borondipyrromethenes (BODIPY) and Applications in Fluorescent Thiol Probes. Journal of Organic Chemistry, 2012, 77, 2192-2206.	3.2	250
24	Visible-light harvesting iridium complexes as singlet oxygen sensitizers for photooxidation of 1,5-dihydroxynaphthalene. Chemical Communications, 2012, 48, 4169.	4.1	121
25	Efficient Triplet-Triplet Annihilation Upconversion with Platinum(II) Bis(arylacetylide) Complexes That Show Long-Lived Triplet Excited States. European Journal of Inorganic Chemistry, 2012, 2012, 3183-3190.	2.0	36
26	Ruthenium(II)–Polyimine–Coumarin Lightâ€Harvesting Molecular Arrays: Design Rationale and Application for Triplet–Tripletâ€Annihilationâ€Based Upconversion. Chemistry - A European Journal, 2012, 18, 4953-4964.	3.3	72
27	Excited state intramolecular proton transfer (ESIPT): from principal photophysics to the development of new chromophores and applications in fluorescent molecular probes and luminescent materials. Physical Chemistry Chemical Physics, 2012, 14, 8803-8817.	2.8	966
28	Fluorescent coumarin derivatives with large stokes shift, dual emission and solid state luminescent properties: An experimental and theoretical study. Dyes and Pigments, 2012, 92, 1361-1369.	3.7	149
29	Longâ€Lived Roomâ€Temperature Nearâ€IR Phosphorescence of BODIPY in a Visibleâ€Lightâ€Harvesting N^C^N Pt ^{II} –Acetylide Complex with a Directly Metalated BODIPY Chromophore. Chemistry - A European Journal, 2012, 18, 1961-1968.	3.3	140
30	Coumarin phosphorescence observed with NâN Pt(ii) bisacetylide complex and its applications for luminescent oxygen sensing and triplet–triplet-annihilation based upconversion. Dalton Transactions, 2011, 40, 7834.	3.3	106
31	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
32	Ratiometric luminescent molecular oxygen sensors based on uni-luminophores of CâN Pt(ii)(acac) complexes that show intense visible-light absorption and balanced fluorescence/phosphorescence dual emission. Chemical Communications, 2011, 47, 11471.	4.1	75
33	Organic Triplet Sensitizer Library Derived from a Single Chromophore (BODIPY) with Long-Lived Triplet Excited State for Triplet–Triplet Annihilation Based Upconversion. Journal of Organic Chemistry, 2011, 76, 7056-7064.	3.2	353
34	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
35	Triplet–triplet annihilation based upconversion: from triplet sensitizers and triplet acceptors to upconversion quantum yields. RSC Advances, 2011, 1, 937.	3.6	562
36	Accessing the long-lived near-IR-emissive triplet excited state in naphthalenediimide with light-harvesting diimine platinum(ii) bisacetylide complex and its application for upconversion. Dalton Transactions, 2011, 40, 9085.	3.3	102

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37	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
38	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. Dalton Transactions, 2011, 40, 11550.	3.3	121
39	Highly selective fluorescent OFF–ON thiol probes based on dyads of BODIPY and potent intramolecular electron sink 2,4-dinitrobenzenesulfonyl subunits. Organic and Biomolecular Chemistry, 2011, 9, 3844.	2.8	143
40	Colorimetric and Ratiometric Fluorescent Chemosensor Based on Diketopyrrolopyrrole for Selective Detection of Thiols: An Experimental and Theoretical Study. Journal of Organic Chemistry, 2011, 76, 9294-9304.	3.2	116
41	Synthesis of Ethynylated Phenothiazine Based Fluorescent Boronic Acid Probes. Journal of Fluorescence, 2011, 21, 1143-1154.	2.5	12
42	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
43	Enhanced Enantioselective Recognition with Diastereoisomeric BINOL Based Chiral Fluorescent Boronic Acid Sensors. Journal of Fluorescence, 2011, 21, 2077-2084.	2.5	13
44	Styryl-BODIPY based red-emitting fluorescent OFF–ON molecular probe for specific detection of cysteine. Biosensors and Bioelectronics, 2011, 26, 3012-3017.	10.1	145
45	Visibleâ€Light Harvesting with Cyclometalated Iridium(III) Complexes Having Longâ€Lived ³ IL Excited States and Their Application in Triplet–Tripletâ€Annihilation Based Upconversion. European Journal of Inorganic Chemistry, 2011, 2011, 3165-3173.	2.0	103
46	Roomâ€Temperature Longâ€Lived ³ IL Excited State of Rhodamine in an <i>NN</i> Pt ^{II} Bis(acetylide) Complex with Intense Visibleâ€Light Absorption. European Journal of Inorganic Chemistry, 2011, 2011, 4527-4533.	2.0	57
47	Molecular Rotors as Fluorescent Viscosity Sensors: Molecular Design, Polarity Sensitivity, Dipole Moments Changes, Screening Solvents, and Deactivation Channel of the Excited States. European Journal of Organic Chemistry, 2011, 2011, 4773-4787.	2.4	55
48	Thiopheneâ€Inserted Aryl–Dicyanovinyl Compounds: The Second Generation of Fluorescent Molecular Rotors with Significantly Redshifted Emission and Large Stokes Shift. European Journal of Organic Chemistry, 2011, 2011, 6100-6109.	2.4	52
49	Ruthenium(II) Polyimine Complexes with a Long‣ived ³ IL Excited State or a ³ MLCT/ ³ IL Equilibrium: Efficient Triplet Sensitizers for Lowâ€Power Upconversion. Angewandte Chemie - International Edition, 2011, 50, 1626-1629.	13.8	211
50	Ruthenium(II) Polyimine–Coumarin Dyad with Nonâ€emissive ³ IL Excited State as Sensitizer for Triplet–Triplet Annihilation Based Upconversion. Angewandte Chemie - International Edition, 2011, 50, 8283-8286.	13.8	109
51	Chiral Donor Photoinducedâ€Electronâ€Transfer (dâ€PET) Boronic Acid Chemosensors for the Selective Recognition of Tartaric Acids, Disaccharides, and Ginsenosides. Chemistry - A European Journal, 2011, 17, 7632-7644.	3.3	51
52	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
53	Tuning the emission property of carbazole-caped cyclometalated platinum(II) complexes and its application for enhanced luminescent oxygen sensing. Journal of Organometallic Chemistry, 2011, 696, 2388-2398.	1.8	16
54	Enhanced luminescence oxygen sensing property of Ru(II) bispyridine complexes by ligand modification. Sensors and Actuators B: Chemical, 2010, 149, 395-406.	7.8	25

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55	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
56	Ethynylated Triphenylamine Monoboronic acid Chemosensors: Experimental and Theoretical Studies. Journal of Fluorescence, 2010, 20, 1255-1265.	2.5	5
57	Tuning the Emission Colour of Triphenylamineâ€Capped Cyclometallated Platinum(II) Complexes and Their Application in Luminescent Oxygen Sensing and Organic Lightâ€Emitting Diodes. European Journal of Inorganic Chemistry, 2010, 2010, 4683-4696.	2.0	61
58	Observation of Roomâ€Temperature Deepâ€Red/Nearâ€IR Phosphorescence of Pyrene with Cycloplatinated Complexes: An Experimental and Theoretical Study. European Journal of Inorganic Chemistry, 2010, 2010, 4470-4482.	2.0	52
59	Melting of Bulk Gold During Continuous Heating: A Molecular Dynamics Study. , 2010, , .		1
60	Notice of Retraction: Non-equilibrum Melting of Bulk Aluminum: A Molecular Dynamics Study. , 2010, ,		1
61	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(acetylide) complexes containing ethynylated naphthalimide or pyrene subunits. Analyst, The, 2010, 135, 2832.	3.5	72
62	A Highly Selective OFF-ON Red-Emitting Phosphorescent Thiol Probe with Large Stokes Shift and Long Luminescent Lifetime. Organic Letters, 2010, 12, 2876-2879.	4.6	176
63	Naphthalimide Phosphorescence Finally Exposed in a Platinum(II) Diimine Complex. Inorganic Chemistry, 2010, 49, 6802-6804.	4.0	114
64	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
65	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
66	Tuning the luminescence lifetimes of ruthenium(ii) polypyridine complexes and its application in luminescent oxygen sensing. Journal of Materials Chemistry, 2010, 20, 1953.	6.7	182
67	Detection of Phenolate with a Solvent Polymeric Membrane Electrode. , 2009, , .		0
68	Molecular Dynamics Study on Superheating of Ni at High Heating Rates. , 2009, , .		2
69	Rational Design of d-PeT Phenylethynylated-Carbazole Monoboronic Acid Fluorescent Sensors for the Selective Detection of α-Hydroxyl Carboxylic Acids and Monosaccharides. Journal of the American Chemical Society, 2009, 131, 17452-17463.	13.7	230
70	Potentiometric measurement of ascorbate by using a solvent polymeric membrane electrode. Talanta, 2008, 75, 851-855.	5.5	17
71	The Phot LOV2 Domain and Its Interaction with LOV1. Biophysical Journal, 2005, 89, 402-412.	0.5	72
72	Boosting Sulfides Photooxidation by Fusing Naphthalimide and Flavin together. Physical Chemistry Chemical Physics, 0, , .	2.8	3