

Huimin Guo

List of Publications by Year in descending order

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76031

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citing authors

#	ARTICLE	IF	CITATIONS
1	Photophysical properties of <i>N</i> -methyl and <i>N</i> -acetyl substituted alloxazines: a theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13734-13744.	1.3	4
2	Encapsulation of Flavin Cofactor within a Manganese Porphyrin-Based Metal-Organic Polyhedron for Reductive Dioxxygen Activation. <i>Inorganic Chemistry</i> , 2020, 59, 2636-2640.	1.9	3
3	Efficient Photooxidation of Sulfides with Amidated Alloxazines as Heavy-atom-free Photosensitizers. <i>ACS Omega</i> , 2020, 5, 10586-10595.	1.6	29
4	Lighting the Flavin Decorated Ruthenium(II) Polyimine Complexes: A Theoretical Investigation. <i>Inorganic Chemistry</i> , 2019, 58, 8486-8493.	1.9	7
5	Flavin Dibromide as an Efficient Sensitizer for Photooxidation of Sulfides. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15254-15263.	3.2	27
6	Synthesis and photophysical properties of ruthenium(<i>ii</i>) polyimine complexes decorated with flavin. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17504-17516.	1.3	16
7	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.	1.7	23
8	Fe atoms trapped on graphene as a potential efficient catalyst for room-temperature complete oxidation of formaldehyde: a first-principles investigation. <i>Catalysis Science and Technology</i> , 2017, 7, 2012-2021.	2.1	13
9	TEA incorporated CS blend composite membrane for high CO ₂ separation performance. <i>RSC Advances</i> , 2016, 6, 27016-27019.	1.7	11
10	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.	1.7	29
11	An enzyme-free glucose sensor based on a difunctional diboronic acid for molecular recognition and potentiometric transduction. <i>RSC Advances</i> , 2015, 5, 13805-13808.	1.7	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. <i>Dyes and Pigments</i> , 2013, 99, 908-915.	2.0	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. <i>Dalton Transactions</i> , 2013, 42, 6478.	1.6	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. <i>RSC Advances</i> , 2012, 2, 3942.	1.7	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. <i>Journal of Organic Chemistry</i> , 2012, 77, 3933-3943.	1.7	99
16	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.	1.7	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. <i>Journal of Materials Chemistry</i> , 2012, 22, 5319.	6.7	64
18	Oxygen Adsorption and Diffusion on NiTi Alloy (100) Surface: A Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21771-21779.	1.5	15

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19	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.	1.7	23
20	Visible light-harvesting cyclometalated Ir(III) complexes as triplet photosensitizers for triplet-triplet annihilation based upconversion. <i>Dalton Transactions</i> , 2012, 41, 10680.	1.6	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. <i>Chemical Science</i> , 2012, 3, 1049-1061.	3.7	245
22	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
23	Geometry Relaxation-Induced Large Stokes Shift in Red-Emitting Borondipyromethenes (BODIPY) and Applications in Fluorescent Thiol Probes. <i>Journal of Organic Chemistry</i> , 2012, 77, 2192-2206.	1.7	250
24	Visible-light harvesting iridium complexes as singlet oxygen sensitizers for photooxidation of 1,5-dihydroxynaphthalene. <i>Chemical Communications</i> , 2012, 48, 4169.	2.2	121
25	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.	1.0	36
26	Ruthenium(II)-Polyimine-Coumarin Light-Harvesting Molecular Arrays: Design Rationale and Application for Triplet-Triplet Annihilation-Based Upconversion. <i>Chemistry - A European Journal</i> , 2012, 18, 4953-4964.	1.7	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. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8803-8817.	1.3	966
28	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.	2.0	149
29	Long-Lived Room Temperature Near-IR Phosphorescence of BODIPY in a Visible-Light-Harvesting N ⁺ C ⁺ N ⁻ Pt ^{II} -Acetylide Complex with a Directly Metalated BODIPY Chromophore. <i>Chemistry - A European Journal</i> , 2012, 18, 1961-1968.	1.7	140
30	Coumarin phosphorescence observed with N ⁺ N ⁻ Pt(II) bisacetylide complex and its applications for luminescent oxygen sensing and triplet-triplet-annihilation based upconversion. <i>Dalton Transactions</i> , 2011, 40, 7834.	1.6	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. <i>Dalton Transactions</i> , 2011, 40, 5953.	1.6	114
32	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. <i>Chemical Communications</i> , 2011, 47, 11471.	2.2	75
33	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.	1.7	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. <i>Inorganic Chemistry</i> , 2011, 50, 11446-11460.	1.9	82
35	Triplet-triplet annihilation based upconversion: from triplet sensitizers and triplet acceptors to upconversion quantum yields. <i>RSC Advances</i> , 2011, 1, 937.	1.7	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. <i>Dalton Transactions</i> , 2011, 40, 9085.	1.6	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. <i>Journal of Organic Chemistry</i> , 2011, 76, 5685-5695.	1.7	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. <i>Dalton Transactions</i> , 2011, 40, 11550.	1.6	121
39	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.	1.5	143
40	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.	1.7	116
41	Synthesis of Ethynylated Phenothiazine Based Fluorescent Boronic Acid Probes. <i>Journal of Fluorescence</i> , 2011, 21, 1143-1154.	1.3	12
42	Enantioselective Recognition of Tartaric Acids with Ethynylated Carbazole-Based Chiral Bisboronic Acid Chemosensors with Improved Response at Acidic pH. <i>Journal of Fluorescence</i> , 2011, 21, 1979-1986.	1.3	5
43	Enhanced Enantioselective Recognition with Diastereoisomeric BINOL Based Chiral Fluorescent Boronic Acid Sensors. <i>Journal of Fluorescence</i> , 2011, 21, 2077-2084.	1.3	13
44	Styryl-BODIPY based red-emitting fluorescent OFF-ON molecular probe for specific detection of cysteine. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3012-3017.	5.3	145
45	Visible-Light Harvesting with Cyclometalated Iridium(III) Complexes Having Long-Lived ³ IL Excited States and Their Application in Triplet-Triplet-Annihilation Based Upconversion. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3165-3173.	1.0	103
46	Room-Temperature Long-Lived ³ IL Excited State of Rhodamine in an <i>N,N</i> -Pt ^{II} Bis(acetylide) Complex with Intense Visible-Light Absorption. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4527-4533.	1.0	57
47	Molecular Rotors as Fluorescent Viscosity Sensors: Molecular Design, Polarity Sensitivity, Dipole Moments Changes, Screening Solvents, and Deactivation Channel of the Excited States. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 4773-4787.	1.2	55
48	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.	1.2	52
49	Ruthenium(II) Polyimine Complexes with a Long-Lived ³ IL Excited State or a ³ MLCT/ ³ IL Equilibrium: Efficient Triplet Sensitizers for Low-Power Upconversion. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1626-1629.	7.2	211
50	Ruthenium(II) Polyimine-Coumarin Dyad with Non-emissive ³ IL Excited State as Sensitizer for Triplet-Triplet Annihilation Based Upconversion. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8283-8286.	7.2	109
51	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.	1.7	51
52	The synthesis of 5,10,15,20-tetraarylporphyrins and their platinum(II) complexes as luminescent oxygen sensing materials. <i>Dyes and Pigments</i> , 2011, 89, 199-211.	2.0	61
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.	0.8	16
54	Enhanced luminescence oxygen sensing property of Ru(II) bispyridine complexes by ligand modification. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 395-406.	4.0	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. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2010, 5, 193-199.	0.4	8
56	Ethynylated Triphenylamine Monoboronic acid Chemosensors: Experimental and Theoretical Studies. <i>Journal of Fluorescence</i> , 2010, 20, 1255-1265.	1.3	5
57	Tuning the Emission Colour of Triphenylamine-Capped Cyclometallated Platinum(II) Complexes and Their Application in Luminescent Oxygen Sensing and Organic Light-Emitting Diodes. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4683-4696.	1.0	61
58	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.	1.0	52
59	Melting of Bulk Gold During Continuous Heating: A Molecular Dynamics Study. , 2010, , .		1
60	Notice of Retraction: Non-equilibrium 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. <i>Analyst</i> , 2010, 135, 2832.	1.7	72
62	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.	2.4	176
63	Naphthalimide Phosphorescence Finally Exposed in a Platinum(II) Diimine Complex. <i>Inorganic Chemistry</i> , 2010, 49, 6802-6804.	1.9	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. <i>Journal of Materials Chemistry</i> , 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. <i>Journal of Organic Chemistry</i> , 2010, 75, 2578-2588.	1.7	71
66	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
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 H^{\pm} -Hydroxyl Carboxylic Acids and Monosaccharides. <i>Journal of the American Chemical Society</i> , 2009, 131, 17452-17463.	6.6	230
70	Potentiometric measurement of ascorbate by using a solvent polymeric membrane electrode. <i>Talanta</i> , 2008, 75, 851-855.	2.9	17
71	The Phot LOV2 Domain and Its Interaction with LOV1. <i>Biophysical Journal</i> , 2005, 89, 402-412.	0.2	72
72	Boosting Sulfides Photooxidation by Fusing Naphthalimide and Flavin together. <i>Physical Chemistry Chemical Physics</i> , 0, , .	1.3	3