

Jianzhang Zhao

List of Publications by Year in descending order

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443
papers

25,932
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5529

81
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141
g-index

470
all docs

470
docs citations

470
times ranked

19845
citing authors

#	ARTICLE	IF	CITATIONS
1	Triplet photosensitizers: from molecular design to applications. <i>Chemical Society Reviews</i> , 2013, 42, 5323.	39.8	1,290
2	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.	2.9	1,008
3	The triplet excited state of Bodipy: formation, modulation and application. <i>Chemical Society Reviews</i> , 2015, 44, 8904-8939.	39.8	704
4	A Selective Fluorescent Sensor for Imaging Cd ²⁺ in Living Cells. <i>Journal of the American Chemical Society</i> , 2007, 129, 1500-1501.	14.5	604
5	Triplet-triplet annihilation based upconversion: from triplet sensitizers and triplet acceptors to upconversion quantum yields. <i>RSC Advances</i> , 2011, 1, 937.	3.7	577
6	Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing, and Assembly. <i>Accounts of Chemical Research</i> , 2013, 46, 312-326.	16.2	573
7	An ICT-based strategy to a colorimetric and ratiometric fluorescence probe for hydrogen sulfide in living cells. <i>Chemical Communications</i> , 2012, 48, 2852.	4.2	366
8	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.	3.3	364
9	Fluorescence Sensing of Anions Based on Inhibition of Excited-State Intramolecular Proton Transfer. <i>Journal of Organic Chemistry</i> , 2007, 72, 62-70.	3.3	332
10	Ultralow-Power Near Infrared Lamp Light Operable Targeted Organic Nanoparticle Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2016, 138, 14586-14591.	14.5	281
11	Highly Efficient CdS Quantum Dot-Sensitized Solar Cells Based on a Modified Polysulfide Electrolyte. <i>Journal of the American Chemical Society</i> , 2011, 133, 8458-8460.	14.5	258
12	Significant Improvement of Dye-Sensitized Solar Cell Performance Using Simple Phenothiazine-Based Dyes. <i>Chemistry of Materials</i> , 2013, 25, 2146-2153.	6.9	256
13	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.	3.3	255
14	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.	7.7	249
15	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.	14.5	233
16	Tuning the Intramolecular Charge Transfer of Alkynylpyrenes: Effect on Photophysical Properties and Its Application in Design of OFF-ON Fluorescent Thiol Probes. <i>Journal of Organic Chemistry</i> , 2009, 74, 4855-4865.	3.3	233
17	Intramolecular RET Enhanced Visible Light-Absorbing Bodipy Organic Triplet Photosensitizers and Application in Photooxidation and Triplet-Triplet Annihilation Upconversion. <i>Journal of the American Chemical Society</i> , 2013, 135, 10566-10578.	14.5	219
18	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.	14.6	218

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19	Highly Selective Detection of 2,4,6-Trinitrophenol and Cu ²⁺ Ions Based on a Fluorescent Cadmium Pamoate Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2015, 21, 2029-2037.	3.8	210
20	Chiral Binol-Bisboronic Acid as Fluorescence Sensor for Sugar Acids. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3461-3464.	14.6	202
21	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	188
22	Bodipy Derivatives as Organic Triplet Photosensitizers for Aerobic Photoorganocatalytic Oxidative Coupling of Amines and Photooxidation of Dihydroxynaphthalenes. <i>Journal of Organic Chemistry</i> , 2013, 78, 5627-5637.	3.3	187
23	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.	3.7	183
24	Light-Harvesting Fullerene Dyads as Organic Triplet Photosensitizers for Triplet-Triplet Annihilation Upconversions. <i>Journal of Organic Chemistry</i> , 2012, 77, 5305-5312.	3.3	181
25	Charge separation, charge recombination, long-lived charge transfer state formation and intersystem crossing in organic electron donor/acceptor dyads. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12048-12074.	5.5	179
26	An Enantioselective Fluorescent Sensor for Sugar Acids. <i>Journal of the American Chemical Society</i> , 2004, 126, 16179-16186.	14.5	178
27	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.	4.7	178
28	Styryl Bodipy-C ₆₀ Dyads as Efficient Heavy-Atom-Free Organic Triplet Photosensitizers. <i>Organic Letters</i> , 2012, 14, 2594-2597.	4.7	176
29	Enhanced Triplet-Triplet Energy Transfer and Upconversion Fluorescence through Host-Guest Complexation. <i>Journal of the American Chemical Society</i> , 2016, 138, 15405-15412.	14.5	166
30	Enhancing Photodynamic Therapy through Resonance Energy Transfer Constructed Near-Infrared Photosensitized Nanoparticles. <i>Advanced Materials</i> , 2017, 29, 1604789.	24.0	166
31	Bodipy-Anthracene Dyads as Triplet Photosensitizers: Effect of Chromophore Orientation on Triplet-State Formation Efficiency and Application in Triplet-Triplet Annihilation Upconversion. <i>Organic Letters</i> , 2017, 19, 4492-4495.	4.7	164
32	Radical-Enhanced Intersystem Crossing in New Bodipy Derivatives and Application for Efficient Triplet-Triplet Annihilation Upconversion. <i>Journal of the American Chemical Society</i> , 2017, 139, 7831-7842.	14.5	162
33	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.	3.9	157
34	Activatable triplet photosensitizers: magic bullets for targeted photodynamic therapy. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5982-5997.	5.5	157
35	Simple Bisthiocarbonohydrazones as Sensitive, Selective, Colorimetric, and Switch-On Fluorescent Chemosensors for Fluoride Anions. <i>Chemistry - A European Journal</i> , 2007, 13, 2880-2892.	3.8	153
36	Elucidation of the Intersystem Crossing Mechanism in a Helical BODIPY for Low-Dose Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16114-16121.	14.6	149

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37	Styryl-BODIPY based red-emitting fluorescent OFF-ON molecular probe for specific detection of cysteine. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3012-3017.	10.3	147
38	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
39	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.	3.8	143
40	Mechanically triggered reversible stepwise tricolor switching and thermochromism of anthracene- <i>o</i> -carborane dyad. <i>Chemical Science</i> , 2018, 9, 5270-5277.	7.7	140
41	Energy-Funneling-Based Broadband Visible-Light-Absorbing Bodipy-C ₆₀ Triads and Tetrads as Dual Functional Heavy-Atom-Free Organic Triplet Photosensitizers for Photocatalytic Organic Reactions. <i>Chemistry - A European Journal</i> , 2013, 19, 17472-17482.	3.8	136
42	Controllable Photodynamic Therapy Implemented by Regulating Singlet Oxygen Efficiency. <i>Advanced Science</i> , 2017, 4, 1700113.	12.3	135
43	Efficient Enhancement of the Visible-Light Absorption of Cyclometalated Ir(III) Complexes Triplet Photosensitizers with Bodipy and Applications in Photooxidation and Triplet-Triplet Annihilation Upconversion. <i>Inorganic Chemistry</i> , 2013, 52, 6299-6310.	4.2	130
44	Solvothermal conversion of coal into nitrogen-doped carbon dots with singlet oxygen generation and high quantum yield. <i>Chemical Engineering Journal</i> , 2017, 320, 570-575.	12.8	129
45	Visible-light harvesting iridium complexes as singlet oxygen sensitizers for photooxidation of 1,5-dihydroxynaphthalene. <i>Chemical Communications</i> , 2012, 48, 4169.	4.2	126
46	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.	3.4	124
47	BODIPY triads triplet photosensitizers enhanced with intramolecular resonance energy transfer (RET): broadband visible light absorption and application in photooxidation. <i>Chemical Science</i> , 2014, 5, 489-500.	7.7	121
48	Molecular Structure-Intersystem Crossing Relationship of Heavy-Atom-Free BODIPY Triplet Photosensitizers. <i>Journal of Organic Chemistry</i> , 2015, 80, 5958-5963.	3.3	118
49	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.	3.3	117
50	Naphthalimide Phosphorescence Finally Exposed in a Platinum(II) Diimine Complex. <i>Inorganic Chemistry</i> , 2010, 49, 6802-6804.	4.2	115
51	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.	3.4	115
52	Cyclometalated Ir(III) complexes with styryl-BODIPY ligands showing near IR absorption/emission: preparation, study of photophysical properties and application as photodynamic/luminescence imaging materials. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2838-2854.	5.9	114
53	Reversible Photoswitching of Triplet-Triplet Annihilation Upconversion Using Dithienylethene Photochromic Switches. <i>Journal of the American Chemical Society</i> , 2014, 136, 9256-9259.	14.5	114
54	Accessing the Long-Lived Triplet Excited States in Bodipy-Conjugated 2-(2-Hydroxyphenyl) Benzothiazole/Benzoxazoles and Applications as Organic Triplet Photosensitizers for Photooxidations. <i>Journal of Organic Chemistry</i> , 2012, 77, 6166-6178.	3.3	113

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55	Recent progress in heavy atom-free organic compounds showing unexpected intersystem crossing (ISC) ability. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3692-3701.	2.8	113
56	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.	14.6	111
57	Manganese-Doped, Lead-Free Double Perovskite Nanocrystals for Bright Orange-Red Emission. <i>ACS Central Science</i> , 2020, 6, 566-572.	12.1	111
58	3,6-Disubstituted Carbazole-Based Bisboronic Acids with Unusual Fluorescence Transduction as Enantioselective Fluorescent Chemosensors for Tartaric Acid. <i>Journal of Organic Chemistry</i> , 2009, 74, 1333-1336.	3.3	109
59	Facilitative functionalization of cyanine dye by an on-off fluorescent switch for imaging of H ₂ O ₂ oxidative stress and thiols reducing repair in cells and tissues. <i>Chemical Communications</i> , 2012, 48, 4980.	4.2	109
60	Coumarin phosphorescence observed with N ₂ Pt(ii) bisacetylide complex and its applications for luminescent oxygen sensing and triplet-triplet-annihilation based upconversion. <i>Dalton Transactions</i> , 2011, 40, 7834.	3.4	107
61	Observation of the room temperature phosphorescence of Bodipy in visible light-harvesting Ru(ii) polyimine complexes and application as triplet photosensitizers for triplet-triplet-annihilation upconversion and photocatalytic oxidation. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4577.	5.5	106
62	Spin-Orbit Charge-Transfer Intersystem Crossing (SOCT-ISC) in Bodipy-Phenoxazine Dyads: Effect of Chromophore Orientation and Conformation Restriction on the Photophysical Properties. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22793-22811.	3.2	105
63	Porous material-immobilized iodo-Bodipy as an efficient photocatalyst for photoredox catalytic organic reaction to prepare pyrrolo[2,1-a]isoquinoline. <i>Chemical Communications</i> , 2013, 49, 8689.	4.2	104
64	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.	2.2	103
65	Triplet Excited State of BODIPY Accessed by Charge Recombination and Its Application in Triplet-Triplet Annihilation Upconversion. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7550-7564.	2.6	103
66	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.	3.4	102
67	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.	3.3	102
68	Iodo-Bodipys as visible-light-absorbing dual-functional photoredox catalysts for preparation of highly functionalized organic compounds by formation of C-C bonds via reductive and oxidative quenching catalytic mechanisms. <i>RSC Advances</i> , 2013, 3, 23377.	3.7	102
69	C60-Bodipy dyad triplet photosensitizers as organic photocatalysts for photocatalytic tandem oxidation/[3+2] cycloaddition reactions to prepare pyrrolo[2,1-a]isoquinoline. <i>Chemical Communications</i> , 2013, 49, 3751.	4.2	101
70	Hetero Bodipy-dimers as heavy atom-free triplet photosensitizers showing a long-lived triplet excited state for triplet-triplet annihilation upconversion. <i>Chemical Communications</i> , 2013, 49, 9009.	4.2	99
71	Iridium complexes incorporating coumarin moiety as catalyst photoinitiators: Towards household green LED bulb and halogen lamp irradiation. <i>Polymer</i> , 2012, 53, 2803-2808.	3.9	95
72	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.	3.7	94

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73	2-(2-Hydroxyphenyl)-benzothiazole (HBT)-Rhodamine Dyad: Acid-Switchable Absorption and Fluorescence of Excited-State Intramolecular Proton Transfer (ESIPT). <i>Journal of Physical Chemistry B</i> , 2015, 119, 2384-2394.	2.7	93
74	Molecular Engineering of Simple Phenothiazine-Based Dyes To Modulate Dye Aggregation, Charge Recombination, and Dye Regeneration in Highly Efficient Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2014, 20, 6300-6308.	3.8	92
75	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.	2.5	91
76	Recent development of the transition metal complexes showing strong absorption of visible light and long-lived triplet excited state: From molecular structure design to photophysical properties and applications. <i>Coordination Chemistry Reviews</i> , 2020, 417, 213371.	19.5	90
77	A Revisit to the Orthogonal Bodipy Dimers: Experimental Evidence for the Symmetry Breaking Charge Transfer-Induced Intersystem Crossing. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2502-2511.	3.2	88
78	Insights into the Efficient Intersystem Crossing of Bodipy-Anthracene Compact Dyads with Steady-State and Time-Resolved Optical/Magnetic Spectroscopies and Observation of the Delayed Fluorescence. <i>Journal of Physical Chemistry C</i> , 2019, 123, 265-274.	3.2	87
79	Long-Lived Charge-Transfer State Induced by Spin-Orbit Charge Transfer Intersystem Crossing (SOCT-ISC) in a Compact Spiro Electron Donor/Acceptor Dyad. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11591-11599.	14.6	87
80	Spin-Orbit Charge-Transfer Intersystem Crossing (ISC) in Compact Electron Donor-Acceptor Dyads: ISC Mechanism and Application as Novel and Potent Photodynamic Therapy Reagents. <i>Chemistry - A European Journal</i> , 2020, 26, 1091-1102.	3.8	85
81	Chiral Mono Boronic Acid As Fluorescent Enantioselective Sensor for Mono \pm -Hydroxyl Carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2008, 73, 4684-4687.	3.3	83
82	Long-Lived Room Temperature Deep-Red/Near-IR Emissive Intraligand Triplet Excited State (3IL) of Naphthalimide in Cyclometalated Platinum(II) Complexes and Its Application in Upconversion. <i>Inorganic Chemistry</i> , 2011, 50, 11446-11460.	4.2	83
83	Visible light-harvesting perylenebisimide-fullerene (C ₆₀) dyads with bidirectional energy transfer as triplet photosensitizers for photooxidation of 1,5-dihydroxynaphthalene. <i>Chemical Communications</i> , 2012, 48, 3751.	4.2	83
84	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
85	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.	3.3	81
86	Chinese SLE Treatment and Research group (CSTAR) registry: II. Prevalence and risk factors of pulmonary arterial hypertension in Chinese patients with systemic lupus erythematosus. <i>Lupus</i> , 2014, 23, 1085-1091.	1.7	81
87	Spin-Orbit Charge Recombination Intersystem Crossing in Phenothiazine-Anthracene Compact Dyads: Effect of Molecular Conformation on Electronic Coupling, Electronic Transitions, and Electron Spin Polarizations of the Triplet States. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27850-27865.	3.2	80
88	Efficient Radical-Enhanced Intersystem Crossing in an NDI-TEMPO Dyad: Photophysics, Electron Spin Polarization, and Application in Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2018, 24, 18663-18675.	3.8	79
89	Using C ₆₀ -bodipy dyads that show strong absorption of visible light and long-lived triplet excited states as organic triplet photosensitizers for triplet-triplet annihilation upconversion. <i>Journal of Materials Chemistry</i> , 2012, 22, 20273.	6.7	78
90	New excited state intramolecular proton transfer (ESIPT) dyes based on naphthalimide and observation of long-lived triplet excited states. <i>Chemical Communications</i> , 2012, 48, 9720.	4.2	78

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91	New phenothiazine-based dyes for efficient dye-sensitized solar cells: Positioning effect of a donor group on the cell performance. <i>Journal of Power Sources</i> , 2013, 243, 253-259.	7.9	76
92	Ratiometric luminescent molecular oxygen sensors based on uni-luminophores of C ₆₀ N Pt(ii)(acac) complexes that show intense visible-light absorption and balanced fluorescence/phosphorescence dual emission. <i>Chemical Communications</i> , 2011, 47, 11471.	4.2	75
93	Robust and Long-Lived Excited State Ru(II) Polyimine Photosensitizers Boost Hydrogen Production. <i>ACS Catalysis</i> , 2018, 8, 8659-8670.	11.5	75
94	Twisted Bodipy Derivative as a Heavy-Atom-Free Triplet Photosensitizer Showing Strong Absorption of Yellow Light, Intersystem Crossing, and a High-Energy Long-Lived Triplet State. <i>Organic Letters</i> , 2020, 22, 5535-5539.	4.7	75
95	Rhenium(i) tricarbonyl polypyridine complexes showing strong absorption of visible light and long-lived triplet excited states as a triplet photosensitizer for triplet-triplet annihilation upconversion. <i>Dalton Transactions</i> , 2012, 41, 8931.	3.4	74
96	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.	3.8	74
97	Visible light-absorbing rhenium(<i>triple bond to right</i>) tricarbonyl complexes as triplet photosensitizers in photooxidation and triplet-triplet annihilation upconversion. <i>Dalton Transactions</i> , 2013, 42, 2062-2074.	3.4	74
98	A fluorescent zinc-porphyrin coordination polymer for highly selective sensing of 2,4,6-trinitrophenol and Cu ²⁺ ion. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 566-573.	7.9	74
99	Different Quenching Effect of Intramolecular Rotation on the Singlet and Triplet Excited States of Bodipy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 185-193.	3.2	74
100	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.	3.5	73
101	A Water-Stable Dual-Channel Luminescence Sensor for UO ₂ ²⁺ Ions Based on an Anionic Terbium(III) Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2017, 23, 7657-7662.	3.8	72
102	Controlling the triplet states and their application in external stimuli-responsive triplet-triplet-annihilation photon upconversion: from the perspective of excited state photochemistry. <i>Chemical Society Reviews</i> , 2021, 50, 9686-9714.	39.8	72
103	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.	3.3	71
104	Spin-orbit charge transfer intersystem crossing in perylenemonoimide-phenothiazine compact electron donor-acceptor dyads. <i>Chemical Communications</i> , 2018, 54, 12329-12332.	4.2	71
105	Recent development of heavy-atom-free triplet photosensitizers: molecular structure design, photophysics and application. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11944-11973.	5.5	71
106	Bodipy Derivatives as Triplet Photosensitizers and the Related Intersystem Crossing Mechanisms. <i>Frontiers in Chemistry</i> , 2019, 7, 821.	3.7	69
107	Red Thermally Activated Delayed Fluorescence and the Intersystem Crossing Mechanisms in Compact Naphthalimide-Phenothiazine Electron Donor/Acceptor Dyads. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30171-30186.	3.2	69
108	Spectroscopy study on the photochromism of Schiff Bases N,N'-bis(salicylidene)-1,2-diaminoethane and N,N'-bis(salicylidene)-1,6-hexanediamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 149-154.	4.0	68

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109	Iridium(III) Complexes Bearing Pyrene-Functionalized 1,10-Phenanthroline Ligands as Highly Efficient Sensitizers for Triplet-Triplet Annihilation Upconversion. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14688-14692.	14.6	67
110	A new two-dimensional oligothiophene end-capped with alkyl cyanoacetate groups for highly efficient solution-processed organic solar cells. <i>Chemical Communications</i> , 2013, 49, 4409.	4.2	66
111	Increasing the anti-Stokes shift in TTA upconversion with photosensitizers showing red-shifted spin-allowed charge transfer absorption but a non-compromised triplet state energy level. <i>Chemical Communications</i> , 2019, 55, 1510-1513.	4.2	66
112	An exceptionally long-lived triplet state of red light-absorbing compact phenothiazine-styrylBodipy electron donor/acceptor dyads: a better alternative to the heavy atom-effect?. <i>Chemical Communications</i> , 2020, 56, 1721-1724.	4.2	66
113	Dual phosphorescent dinuclear transition metal complexes, and their application as triplet photosensitizers for TTA upconversion and photodynamic therapy. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6131-6139.	5.5	65
114	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.	3.9	64
115	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
116	Boronic Acid Functionalized Au Nanoparticles for Selective MicroRNA Signal Amplification in Fiber-Optic Surface Plasmon Resonance Sensing System. <i>ACS Sensors</i> , 2018, 3, 929-935.	8.0	64
117	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.	2.2	62
118	Red-light excitable fluorescent platinum(II) bis(aryleneethynylene) bis(trialkylphosphine) complexes showing long-lived triplet excited states as triplet photosensitizers for triplet-triplet annihilation upconversion. <i>Journal of Materials Chemistry C</i> , 2013, 1, 705-716.	5.5	61
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