Jianzhang Zhao

List of Publications by Year
in descending order

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398 papers	24,961 citations	5876 81 h-index	10424 139 g-index
420 all docs	420 docs citations	420 times ranked	18548 citing authors

#	Article	IF	Citations
1	Triplet photosensitizers: from molecular design to applications. Chemical Society Reviews, 2013, 42, 5323.	18.7	1,234
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. Physical Chemistry Chemical Physics, 2012, 14, 8803-8817.	1.3	966
3	The triplet excited state of Bodipy: formation, modulation and application. Chemical Society Reviews, 2015, 44, 8904-8939.	18.7	665
4	A Selective Fluorescent Sensor for Imaging Cd2+in Living Cells. Journal of the American Chemical Society, 2007, 129, 1500-1501.	6.6	596
5	Tripletâ€“triplet annihilation based upconversion: from triplet sensitizers and triplet acceptors to upconversion quantum yields. RSC Advances, 2011, 1, 937.	1.7	562
6	Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing, and Assembly. Accounts of Chemical Research, 2013, 46, 312-326.	7.6	559
7	A synthetic Mn ₄ Ca-cluster mimicking the oxygen-evolving center of photosynthesis. Science, 2015, 348, 690-693.	6.0	428
8	An ICT-based strategy to a colorimetric and ratiometric fluorescence probe for hydrogen sulfide in living cells. Chemical Communications, 2012, 48, 2852.	2.2	362
9	Organic Triplet Sensitizer Library Derived from a Single Chromophore (BODIPY) with Long-Lived Triplet Excited State for Tripletâ€“Triplet Annihilation Based Upconversion. Journal of Organic Chemistry, 2011, 76, 7056-7064.	1.7	353
10	Fluorescence Sensing of Anions Based on Inhibition of Excited-State Intramolecular Proton Transfer. Journal of Organic Chemistry, 2007, 72, 62-70.	1.7	328
11	Heavy-Atom-Free Photosensitizers: From Molecular Design to Applications in the Photodynamic Therapy of Cancer. Accounts of Chemical Research, 2021, 54, 207-220.	7.6	300
12	Ultralow-Power Near Infrared Lamp Light Operable Targeted Organic Nanoparticle Photodynamic Therapy. Journal of the American Chemical Society, 2016, 138, 14586-14591.	6.6	275
13	Highly Efficient CdS Quantum Dot-Sensitized Solar Cells Based on a Modified Polysulfide Electrolyte. Journal of the American Chemical Society, 2011, 133, 8458-8460.	6.6	257
14	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.	1.7	250
15	Significant Improvement of Dye-Sensitized Solar Cell Performance Using Simple Phenothiazine-Based Dyes. Chemistry of Materials, 2013, 25, 2146-2153.	3.2	250
16	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.	3.7	245
17	Tuning the Intramolecular Charge Transfer of Alkynylpyrenes: Effect on Photophysical Properties and Its Application in Design of OFFâ^'ON Fluorescent Thiol Probes. Journal of Organic Chemistry, 2009, 74, 4855-4865.	1.7	232
18	Rational Design of d-PeT Phenylethynylated-Carbazole Monoboronic Acid Fluorescent Sensors for the Selective Detection of Î±-Hydroxyl Carboxylic Acids and Monosaccharides. Journal of the American Chemical Society, 2009, 131, 17452-17463.	6.6	230

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19	Ruthenium(II) Polyimine Complexes with a Longâ€Lived ³IL Excited State or a ³MLCT/³IL Equilibrium: Efficient Triplet Sensitizers for Lowâ€Power Upconversion. Angewandte Chemie - International Edition, 2011, 50, 1626-1629.	7.2	211
20	Intramolecular RET Enhanced Visible Light-Absorbing Bodipy Organic Triplet Photosensitizers and Application in Photooxidation and Tripletâ€“Triplet Annihilation Upconversion. Journal of the American Chemical Society, 2013, 135, 10566-10578.	6.6	211
21	Highly Selective Detection of 2,4,6â€Trinitrophenol and Cu²⁺ Ions Based on a Fluorescent Cadmiumâ€“Pamoate Metalâ€“Organic Framework. Chemistry - A European Journal, 2015, 21, 2029-2037.	1.7	207
22	Chiral Binolâ€“Bisboronic Acid as Fluorescence Sensor for Sugar Acids. Angewandte Chemie - International Edition, 2004, 43, 3461-3464.	7.2	200
23	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
24	An Enantioselective Fluorescent Sensor for Sugar Acids. Journal of the American Chemical Society, 2004, 126, 16179-16186.	6.6	178
25	Light-Harvesting Fullerene Dyads as Organic Triplet Photosensitizers for Tripletâ€“Triplet Annihilation Upconversions. Journal of Organic Chemistry, 2012, 77, 5305-5312.	1.7	177
26	A Highly Selective OFF-ON Red-Emitting Phosphorescent Thiol Probe with Large Stokes Shift and Long Luminescent Lifetime. Organic Letters, 2010, 12, 2876-2879.	2.4	176
27	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.	1.7	176
28	Bodipy Derivatives as Organic Triplet Photosensitizers for Aerobic Photoorganocatalytic Oxidative Coupling of Amines and Photooxidation of Dihydroxylnaphthalenes. Journal of Organic Chemistry, 2013, 78, 5627-5637.	1.7	175
29	Styryl Bodipy-C₆₀ Dyads as Efficient Heavy-Atom-Free Organic Triplet Photosensitizers. Organic Letters, 2012, 14, 2594-2597.	2.4	171
30	Enhanced Tripletâ€“Triplet Energy Transfer and Upconversion Fluorescence through Hostâ€“Guest Complexation. Journal of the American Chemical Society, 2016, 138, 15405-15412.	6.6	158
31	Activatable triplet photosensitizers: magic bullets for targeted photodynamic therapy. Journal of Materials Chemistry C, 2014, 2, 5982-5997.	2.7	155
32	Bodipyâ€“Anthracene Dyads as Triplet Photosensitizers: Effect of Chromophore Orientation on Triplet-State Formation Efficiency and Application in Tripletâ€“Triplet Annihilation Upconversion. Organic Letters, 2017, 19, 4492-4495.	2.4	155
33	Enhancing Photodynamic Therapy through Resonance Energy Transfer Constructed Nearâ€Infrared Photosensitized Nanoparticles. Advanced Materials, 2017, 29, 1604789.	11.1	154
34	Simple Bisthiocarbonohydrazones as Sensitive, Selective, Colorimetric, and Switch-On Fluorescent Chemosensors for Fluoride Anions. Chemistry - A European Journal, 2007, 13, 2880-2892.	1.7	152
35	Radical-Enhanced Intersystem Crossing in New Bodipy Derivatives and Application for Efficient Tripletâ€“Triplet Annihilation Upconversion. Journal of the American Chemical Society, 2017, 139, 7831-7842.	6.6	152
36	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.	2.0	149

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37	Styryl-BODIPY based red-emitting fluorescent OFFâ€“ON molecular probe for specific detection of cysteine. Biosensors and Bioelectronics, 2011, 26, 3012-3017.	5.3	145
38	Highly selective fluorescent OFFâ€“ON thiol probes based on dyads of BODIPY and potent intramolecular electron sink 2,4-dinitrobenzenesulfonyl subunits. Organic and Biomolecular Chemistry, 2011, 9, 3844.	1.5	143
39	Longâ€Lived Roomâ€Temperature Nearâ€IR Phosphorescence of BODIPY in a Visibleâ€Lightâ€Harvesting N^C^N Pt^{II}â€“Acetylide Complex with a Directly Metalated BODIPY Chromophore. Chemistry - A European Journal, 2012, 18, 1961-1968.	1.7	140
40	Charge separation, charge recombination, long-lived charge transfer state formation and intersystem crossing in organic electron donor/acceptor dyads. Journal of Materials Chemistry C, 2019, 7, 12048-12074.	2.7	137
41	Mechanically triggered reversible stepwise tricolor switching and thermochromism of anthracene-o-carborane dyad. Chemical Science, 2018, 9, 5270-5277.	3.7	134
42	Energyâ€Funnelingâ€Based Broadband Visibleâ€Lightâ€Absorbing Bodipyâ€“C₆₀ Triads and Tetrads as Dual Functional Heavyâ€Atomâ€Free Organic Triplet Photosensitizers for Photocatalytic Organic Reactions. Chemistry - A European Journal, 2013, 19, 17472-17482.	1.7	129
43	Efficient Enhancement of the Visible-Light Absorption of Cyclometalated Ir(III) Complexes Triplet Photosensitizers with Bodipy and Applications in Photooxidation and Tripletâ€“Triplet Annihilation Upconversion. Inorganic Chemistry, 2013, 52, 6299-6310.	1.9	128
44	Elucidation of the Intersystem Crossing Mechanism in a Helical BODIPY for Lowâ€Dose Photodynamic Therapy. Angewandte Chemie - International Edition, 2020, 59, 16114-16121.	7.2	126
45	Solvothermal conversion of coal into nitrogen-doped carbon dots with singlet oxygen generation and high quantum yield. Chemical Engineering Journal, 2017, 320, 570-575.	6.6	123
46	Controllable Photodynamic Therapy Implemented by Regulating Singlet Oxygen Efficiency. Advanced Science, 2017, 4, 1700113.	5.6	122
47	Tuning the emissive triplet excited states of platinum(ii) Schiff base complexes with pyrene, and application for luminescent oxygen sensing and tripletâ€“triplet-annihilation based upconversions. Dalton Transactions, 2011, 40, 11550.	1.6	121
48	Visible-light harvesting iridium complexes as singlet oxygen sensitizers for photooxidation of 1,5-dihydroxynaphthalene. Chemical Communications, 2012, 48, 4169.	2.2	121
49	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.	1.7	116
50	BODIPY triads triplet photosensitizers enhanced with intramolecular resonance energy transfer (RET): broadband visible light absorption and application in photooxidation. Chemical Science, 2014, 5, 489-500.	3.7	116
51	Naphthalimide Phosphorescence Finally Exposed in a Platinum(II) Diimine Complex. Inorganic Chemistry, 2010, 49, 6802-6804.	1.9	114
52	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.	1.6	114
53	Cyclometalated Ir(<scp>iii</scp>) complexes with styryl-BODIPY ligands showing near IR absorption/emission: preparation, study of photophysical properties and application as photodynamic/luminescence imaging materials. Journal of Materials Chemistry B, 2014, 2, 2838-2854.	2.9	111
54	Reversible Photoswitching of Tripletâ€“Triplet Annihilation Upconversion Using Dithienylethene Photochromic Switches. Journal of the American Chemical Society, 2014, 136, 9256-9259.	6.6	111

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55	Accessing the Long-Lived Triplet Excited States in Bodipy-Conjugated 2-(2-Hydroxyphenyl) Benzothiazole/Benzoxazoles and Applications as Organic Triplet Photosensitizers for Photooxidations. Journal of Organic Chemistry, 2012, 77, 6166-6178.	1.7	110
56	Ruthenium(II) Polyimineâ€“Coumarin Dyad with Nonâ€emissive ³IL Excited State as Sensitizer for Tripletâ€“Triplet Annihilation Based Upconversion. Angewandte Chemie - International Edition, 2011, 50, 8283-8286.	7.2	109
57	Molecular Structureâ€“Intersystem Crossing Relationship of Heavy-Atom-Free BODIPY Triplet Photosensitizers. Journal of Organic Chemistry, 2015, 80, 5958-5963.	1.7	109
58	3,6-Disubstituted Carbazole-Based Bisboronic Acids with Unusual Fluorescence Transduction as Enantioselective Fluorescent Chemosensors for Tartaric Acid. Journal of Organic Chemistry, 2009, 74, 1333-1336.	1.7	108
59	Facilitative functionalization of cyanine dye by an onâ€“offâ€“on fluorescent switch for imaging of H2O2 oxidative stress and thiols reducing repair in cells and tissues. Chemical Communications, 2012, 48, 4980.	2.2	108
60	Coumarin phosphorescence observed with NâN Pt(ii) bisacetylide complex and its applications for luminescent oxygen sensing and tripletâ€“triplet-annihilation based upconversion. Dalton Transactions, 2011, 40, 7834.	1.6	106
61	Observation of the room temperature phosphorescence of Bodipy in visible light-harvesting Ru(ii) polyimine complexes and application as triplet photosensitizers for tripletâ€“triplet-annihilation upconversion and photocatalytic oxidation. Journal of Materials Chemistry C, 2013, 1, 4577.	2.7	105
62	Recent progress in heavy atom-free organic compounds showing unexpected intersystem crossing (ISC) ability. Organic and Biomolecular Chemistry, 2018, 16, 3692-3701.	1.5	105
63	Visibleâ€Light Harvesting with Cyclometalated Iridium(III) Complexes Having Longâ€Lived ³IL Excited States and Their Application in Tripletâ€“Tripletâ€Annihilation Based Upconversion. European Journal of Inorganic Chemistry, 2011, 2011, 3165-3173.	1.0	103
64	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.	1.6	102
65	Porous material-immobilized iodo-Bodipy as an efficient photocatalyst for photoredox catalytic organic reaction to prepare pyrrolo[2,1-a]isoquinoline. Chemical Communications, 2013, 49, 8689.	2.2	102
66	Iodo-Bodipys as visible-light-absorbing dual-functional photoredox catalysts for preparation of highly functionalized organic compounds by formation of Câ€“C bonds via reductive and oxidative quenching catalytic mechanisms. RSC Advances, 2013, 3, 23377.	1.7	102
67	Manganese-Doped, Lead-Free Double Perovskite Nanocrystals for Bright Orange-Red Emission. ACS Central Science, 2020, 6, 566-572.	5.3	102
68	Room-Temperature Long-Lived Triplet Excited States of Naphthalenediimides and Their Applications as Organic Triplet Photosensitizers for Photooxidation and Tripletâ€“Triplet Annihilation Upconversions. Journal of Organic Chemistry, 2012, 77, 3933-3943.	1.7	99
69	Hetero Bodipy-dimers as heavy atom-free triplet photosensitizers showing a long-lived triplet excited state for tripletâ€“triplet annihilation upconversion. Chemical Communications, 2013, 49, 9009.	2.2	98
70	C60-Bodipy dyad triplet photosensitizers as organic photocatalysts for photocatalytic tandem oxidation/[3+2] cycloaddition reactions to prepare pyrrolo[2,1-a]isoquinoline. Chemical Communications, 2013, 49, 3751.	2.2	97
71	Triplet Excited State of BODIPY Accessed by Charge Recombination and Its Application in Tripletâ€“Triplet Annihilation Upconversion. Journal of Physical Chemistry A, 2017, 121, 7550-7564.	1.1	96
72	Spinâ€“Orbit Charge-Transfer Intersystem Crossing (SOCT-ISC) in Bodipy-Phenoxazine Dyads: Effect of Chromophore Orientation and Conformation Restriction on the Photophysical Properties. Journal of Physical Chemistry C, 2019, 123, 22793-22811.	1.5	95

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73	Thienyl-substituted BODIPYs with strong visible light-absorption and long-lived triplet excited states as organic triplet sensitizers for tripletâ€“triplet annihilation upconversion. RSC Advances, 2012, 2, 3942.	1.7	94
74	Iridium complexes incorporating coumarin moiety as catalyst photoinitiators: Towards household green LED bulb and halogen lamp irradiation. Polymer, 2012, 53, 2803-2808.	1.8	94
75	Molecular Engineering of Simple Phenothiazineâ€Based Dyes To Modulate Dye Aggregation, Charge Recombination, and Dye Regeneration in Highly Efficient Dyeâ€Sensitized Solar Cells. Chemistry - A European Journal, 2014, 20, 6300-6308.	1.7	88
76	2-(2-Hydroxyphenyl)-benzothiazole (HBT)-Rhodamine Dyad: Acid-Switchable Absorption and Fluorescence of Excited-State Intramolecular Proton Transfer (ESIPT). Journal of Physical Chemistry B, 2015, 119, 2384-2394.	1.2	88
77	Chiral Mono Boronic Acid As Fluorescent Enantioselective Sensor for Mono Î±-Hydroxyl Carboxylic Acids. Journal of Organic Chemistry, 2008, 73, 4684-4687.	1.7	83
78	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
79	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. Inorganic Chemistry, 2011, 50, 11446-11460.	1.9	82
80	Visible light-harvesting perylenebisimideâ€“fullerene (C60) dyads with bidirectional â€œping-pongâ€•energy transfer as triplet photosensitizers for photooxidation of 1,5-dihydroxynaphthalene. Chemical Communications, 2012, 48, 3751.	2.2	82
81	Enantioselective Recognition of Mandelic Acid by a 3,6-Dithiophen-2-yl-9H-carbazole-Based Chiral Fluorescent Bisboronic Acid Sensor. Journal of Organic Chemistry, 2011, 76, 5685-5695.	1.7	81
82	Chinese SLE Treatment and Research group (CSTAR) registry: II. Prevalence and risk factors of pulmonary arterial hypertension in Chinese patients with systemic lupus erythematosus. Lupus, 2014, 23, 1085-1091.	0.8	79
83	A Revisit to the Orthogonal Bodipy Dimers: Experimental Evidence for the Symmetry Breaking Charge Transfer-Induced Intersystem Crossing. Journal of Physical Chemistry C, 2018, 122, 2502-2511.	1.5	79
84	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. Journal of Physical Chemistry C, 2019, 123, 265-274.	1.5	79
85	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. Coordination Chemistry Reviews, 2020, 417, 213371.	9.5	79
86	Using C60-bodipy dyads that show strong absorption of visible light and long-lived triplet excited states as organic triplet photosensitizers for tripletâ€“triplet annihilation upconversion. Journal of Materials Chemistry, 2012, 22, 20273.	6.7	76
87	Spinâ€“Orbit Charge Recombination Intersystem Crossing in Phenothiazineâ€“Anthracene Compact Dyads: Effect of Molecular Conformation on Electronic Coupling, Electronic Transitions, and Electron Spin Polarizations of the Triplet States. Journal of Physical Chemistry C, 2018, 122, 27850-27865.	1.5	76
88	Spinâ€“Orbit Chargeâ€Transfer Intersystem Crossing (ISC) in Compact Electron Donorâ€“Acceptor Dyads: ISC Mechanism and Application as Novel and Potent Photodynamic Therapy Reagents. Chemistry - A European Journal, 2020, 26, 1091-1102.	1.7	76
89	Ratiometric luminescent molecular oxygen sensors based on uni-luminophores of Câ^§N Pt(ii)(acac) complexes that show intense visible-light absorption and balanced fluorescence/phosphorescence dual emission. Chemical Communications, 2011, 47, 11471.	2.2	75
90	New excited state intramolecular proton transfer (ESIPT) dyes based on naphthalimide and observation of long-lived triplet excited states. Chemical Communications, 2012, 48, 9720.	2.2	75

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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. Journal of Power Sources, 2013, 243, 253-259.	4.0	74
92	Longâ€Lived Chargeâ€Transfer State Induced by Spinâ€Orbit Charge Transfer Intersystem Crossing (SOCTâ€ISC) in a Compact Spiro Electron Donor/Acceptor Dyad. Angewandte Chemie - International Edition, 2020, 59, 11591-11599.	7.2	74
93	Visible light-absorbing rhenium(<scp>i</scp>) tricarbonyl complexes as triplet photosensitizers in photooxidation and tripletâ€“triplet annihilation upconversion. Dalton Transactions, 2013, 42, 2062-2074.	1.6	73
94	A fluorescent zincâ€“pamoate coordination polymer for highly selective sensing of 2,4,6-trinitrophenol and Cu2+ ion. Sensors and Actuators B: Chemical, 2015, 210, 566-573.	4.0	73
95	Efficient Radicalâ€Enhanced Intersystem Crossing in an NDIâ€TEMPO Dyad: Photophysics, Electron Spin Polarization, and Application in Photodynamic Therapy. Chemistry - A European Journal, 2018, 24, 18663-18675.	1.7	73
96	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.	1.7	72
97	Rhenium(i) tricarbonyl polypyridine complexes showing strong absorption of visible light and long-lived triplet excited states as a triplet photosensitizer for tripletâ€“triplet annihilation upconversion. Dalton Transactions, 2012, 41, 8931.	1.6	72
98	Ruthenium(II)â€“Polyimineâ€“Coumarin Lightâ€Harvesting Molecular Arrays: Design Rationale and Application for Tripletâ€“Tripletâ€Annihilationâ€Based Upconversion. Chemistry - A European Journal, 2012, 18, 4953-4964.	1.7	72
99	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.	1.7	71
100	Different Quenching Effect of Intramolecular Rotation on the Singlet and Triplet Excited States of Bodipy. Journal of Physical Chemistry C, 2018, 122, 185-193.	1.5	71
101	Spinâ€“orbit charge transfer intersystem crossing in perylenemonoimideâ€“phenothiazine compact electron donorâ€“acceptor dyads. Chemical Communications, 2018, 54, 12329-12332.	2.2	69
102	Robust and Long-Lived Excited State Ru(II) Polyimine Photosensitizers Boost Hydrogen Production. ACS Catalysis, 2018, 8, 8659-8670.	5.5	69
103	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. Organic Letters, 2020, 22, 5535-5539.	2.4	68
104	A new two-dimensional oligothiophene end-capped with alkyl cyanoacetate groups for highly efficient solution-processed organic solar cells. Chemical Communications, 2013, 49, 4409.	2.2	66
105	A Waterâ€Stable Dualâ€Channel Luminescence Sensor for UO₂²⁺ Ions Based on an Anionic Terbium(III) Metalâ€“Organic Framework. Chemistry - A European Journal, 2017, 23, 7657-7662.	1.7	66
106	Dual phosphorescent dinuclear transition metal complexes, and their application as triplet photosensitizers for TTA upconversion and photodynamic therapy. Journal of Materials Chemistry C, 2016, 4, 6131-6139.	2.7	65
107	Spectroscopy study on the photochromism of Schiff Bases N,Nâ€²-bis(salicylidene)-1,2-diaminoethane and N,Nâ€²-bis(salicylidene)-1,6-hexanediamine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 149-154.	2.0	64
108	Tuning the photophysical properties of N^N Pt(ii) bisacetylide complexes with fluorene moiety and its applications for tripletâ€“triplet-annihilation based upconversion. Journal of Materials Chemistry, 2012, 22, 5319.	6.7	64

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109	Red Thermally Activated Delayed Fluorescence and the Intersystem Crossing Mechanisms in Compact Naphthalimideâ€“Phenothiazine Electron Donor/Acceptor Dyads. Journal of Physical Chemistry C, 2019, 123, 30171-30186.	1.5	63
110	Bodipy Derivatives as Triplet Photosensitizers and the Related Intersystem Crossing Mechanisms. Frontiers in Chemistry, 2019, 7, 821.	1.8	62
111	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.	1.0	61
112	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.	2.0	61
113	Red-light excitable fluorescent platinum(ii) bis(aryleneethynylene) bis(trialkylphosphine) complexes showing long-lived triplet excited states as triplet photosensitizers for tripletâ€“triplet annihilation upconversion. Journal of Materials Chemistry C, 2013, 1, 705-716.	2.7	61
114	Iridium(III) Complexes Bearing Pyreneâ€Functionalized 1,10â€Phenanthroline Ligands as Highly Efficient Sensitizers for Tripletâ€“Triplet Annihilation Upconversion. Angewandte Chemie - International Edition, 2016, 55, 14688-14692.	7.2	61
115	Boronic Acid Functionalized Au Nanoparticles for Selective MicroRNA Signal Amplification in Fiber-Optic Surface Plasmon Resonance Sensing System. ACS Sensors, 2018, 3, 929-935.	4.0	61
116	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?. Chemical Communications, 2020, 56, 1721-1724.	2.2	61
117	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. Chemical Communications, 2019, 55, 1510-1513.	2.2	60
118	Roomâ€Temperature Longâ€Lived ³IL Excited State of Rhodamine in an NN Pt^{II} Bis(acetylide) Complex with Intense Visibleâ€Light Absorption. European Journal of Inorganic Chemistry, 2011, 2011, 4527-4533.	1.0	57
119	Controlling the triplet states and their application in external stimuli-responsive tripletâ€“triplet-annihilation photon upconversion: from the perspective of excited state photochemistry. Chemical Society Reviews, 2021, 50, 9686-9714.	18.7	57
120	Environment sensitive phenothiazine dyes strongly fluorescence in protic solvents. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 196, 10-23.	2.0	56
121	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.	1.2	55
122	Longâ€Lived Roomâ€Temperature Deepâ€Redâ€Emissive Intraligand Triplet Excited State of Naphthalimide in Cyclometalated Ir^{III} Complexes and its Application in Tripletâ€Triplet Annihilationâ€Based Upconversion. Chemistry - A European Journal, 2012, 18, 8100-8112.	1.7	55
123	Efficient Intersystem Crossing in Heavy-Atom-Free Perylenebisimide Derivatives. Journal of Physical Chemistry C, 2016, 120, 10162-10175.	1.5	55
124	Recent development of heavy-atom-free triplet photosensitizers: molecular structure design, photophysics and application. Journal of Materials Chemistry C, 2021, 9, 11944-11973.	2.7	55
125	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.	1.0	52
126	Thiopheneâ€Inserted Arylâ€“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.	1.2	52

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127	Co-sensitization of 3D bulky phenothiazine-cored photosensitizers with planar squaraine dyes for efficient dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 13848-13855.	5.2	52
128	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.	1.7	51
129	Thiol-Activatable Tripletâ€“Triplet Annihilation Upconversion with Maleimide-Perylene as the Caged Triplet Acceptor/Emitter. Journal of Organic Chemistry, 2016, 81, 587-594.	1.7	51
130	Carbazole-perylenebisimide electron donor/acceptor dyads showing efficient spin orbit charge transfer intersystem crossing (SOCT-ISC) and photo-driven intermolecular electron transfer. Journal of Materials Chemistry C, 2020, 8, 4701-4712.	2.7	51
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