

Pi-Tai Chou

List of Publications by Year in descending order

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586
papers

35,679
citations

2795

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614
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docs citations

614
times ranked

23676
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition-metal phosphors with cyclometalating ligands: fundamentals and applications. <i>Chemical Society Reviews</i> , 2010, 39, 638-655.	18.7	1,222
2	Phosphorescent Dyes for Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2007, 13, 380-395.	1.7	747
3	Excited-state proton coupled charge transfer modulated by molecular structure and media polarization. <i>Chemical Society Reviews</i> , 2013, 42, 1379-1408.	18.7	604
4	Fine Tuning the Energetics of Excited-State Intramolecular Proton Transfer (ESIPT): White Light Generation in A Single ESIPT System. <i>Journal of the American Chemical Society</i> , 2011, 133, 17738-17745.	6.6	560
5	Near-infrared organic light-emitting diodes with very high external quantum efficiency and radiance. <i>Nature Photonics</i> , 2017, 11, 63-68.	15.6	494
6	2,3-Disubstituted Thiophene-Based Organic Dyes for Solar Cells. <i>Chemistry of Materials</i> , 2008, 20, 1830-1840.	3.2	401
7	Blue-Emitting Heteroleptic Iridium(III) Complexes Suitable for High-Efficiency Phosphorescent OLEDs. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2418-2421.	7.2	396
8	Insulin-Directed Synthesis of Fluorescent Gold Nanoclusters: Preservation of Insulin Bioactivity and Versatility in Cell Imaging. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7056-7060.	7.2	391
9	Highly Efficient Blue-Emitting Iridium(III) Carbene Complexes and Phosphorescent OLEDs. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4542-4545.	7.2	382
10	Highly Efficient Red Electrophosphorescent Devices Based on Iridium Isoquinoline Complexes: Remarkable External Quantum Efficiency Over a Wide Range of Current. <i>Advanced Materials</i> , 2003, 15, 884-888.	11.1	367
11	Prominent Short-Circuit Currents of Fluorinated Quinoxaline-Based Copolymer Solar Cells with a Power Conversion Efficiency of 8.0%. <i>Chemistry of Materials</i> , 2012, 24, 4766-4772.	3.2	329
12	Recent Experimental Advances on Excited-State Intramolecular Proton Coupled Electron Transfer Reaction. <i>Accounts of Chemical Research</i> , 2010, 43, 1364-1374.	7.6	321
13	Facile synthesis of highly emissive carbon dots from pyrolysis of glycerol; gram scale production of carbon dots/mSiO ₂ for cell imaging and drug release. <i>Journal of Materials Chemistry</i> , 2012, 22, 14403.	6.7	318
14	Systematic Investigation of the Metal-Structure-Photophysics Relationship of Emissive d ¹⁰ -Complexes of Group 11 Elements: The Prospect of Application in Organic Light Emitting Devices. <i>Journal of the American Chemical Society</i> , 2011, 133, 12085-12099.	6.6	306
15	Harvesting luminescence via harnessing the photophysical properties of transition metal complexes. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2653-2665.	9.5	292
16	Breaking the Kasha Rule for More Efficient Photochemistry. <i>Chemical Reviews</i> , 2017, 117, 13353-13381.	23.0	285
17	Iridium(III) Complexes with Orthometalated Quinoxaline Ligands: A Subtle Tuning of Emission to the Saturated Red Color. <i>Inorganic Chemistry</i> , 2005, 44, 1344-1353.	1.9	276
18	Excited-State Conformational/Electronic Responses of Saddle-Shaped <i>N,N'</i> -2-Disubstituted-Dihydrodibenzo[<i>a,c</i>]phenazines: Wide-Tuning Emission from Red to Deep Blue and White Light Combination. <i>Journal of the American Chemical Society</i> , 2015, 137, 8509-8520.	6.6	264

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19	Contemporary progresses on neutral, highly emissive Os(II) and Ru(II) complexes. <i>Chemical Society Reviews</i> , 2007, 36, 1421.	18.7	253
20	Bis(Tridentate Ir(III) Complexes with Nearly Unitary RGB Phosphorescence and Organic Light-Emitting Diodes with External Quantum Efficiency Exceeding 31%. <i>Advanced Materials</i> , 2016, 28, 2795-2800.	11.1	247
21	Multifunctional Deep-Blue Emitter Comprising an Anthracene Core and Terminal Triphenylphosphine Oxide Groups. <i>Advanced Functional Materials</i> , 2009, 19, 560-566.	7.8	242
22	Overcoming the energy gap law in near-infrared OLEDs by exciton-vibration decoupling. <i>Nature Photonics</i> , 2020, 14, 570-577.	15.6	237
23	Osmium- and Ruthenium-Based Phosphorescent Materials: Design, Photophysics, and Utilization in OLED Fabrication. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3319-3332.	1.0	233
24	Iridium-Complex-Functionalized Fe ₃ O ₄ /SiO ₂ Core/Shell Nanoparticles: A Facile Three-in-One System in Magnetic Resonance Imaging, Luminescence Imaging, and Photodynamic Therapy. <i>Small</i> , 2008, 4, 218-224.	5.2	229
25	The First Tandem, All-exciplex-based WOLED. <i>Scientific Reports</i> , 2014, 4, 5161.	1.6	213
26	Heteroleptic Cyclometalated Iridium(III) Complexes Displaying Blue Phosphorescence in Solution and Solid State at Room Temperature. <i>Inorganic Chemistry</i> , 2005, 44, 7770-7780.	1.9	210
27	Excited-State Intramolecular Proton Transfer in 10-Hydroxybenzo[h]quinoline. <i>Journal of Physical Chemistry A</i> , 2001, 105, 1731-1740.	1.1	206
28	Ortho Green Fluorescence Protein Synthetic Chromophore; Excited-State Intramolecular Proton Transfer via a Seven-Membered-Ring Hydrogen-Bonding System. <i>Journal of the American Chemical Society</i> , 2007, 129, 4534-4535.	6.6	202
29	Harnessing Excited-State Intramolecular Proton-Transfer Reaction via a Series of Amino-Type Hydrogen-Bonding Molecules. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1477-1486.	2.1	200
30	Ruthenium(II) Sensitizers with Heteroleptic Tridentate Chelates for Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2054-2058.	7.2	199
31	The Empirical Correlation Between Size and Two-Photon Absorption Cross Section of CdSe and CdTe Quantum Dots. <i>Small</i> , 2006, 2, 1308-1313.	5.2	196
32	A Bipolar Host Material Containing Triphenylamine and Diphenylphosphoryl-Substituted Fluorene Units for Highly Efficient Blue Electrophosphorescence. <i>Advanced Functional Materials</i> , 2009, 19, 2834-2843.	7.8	196
33	Simple organic molecules bearing a 3,4-ethylenedioxythiophene linker for efficient dye-sensitized solar cells. <i>Chemical Communications</i> , 2008, , 5152.	2.2	195
34	En Route to High External Quantum Efficiency ($\sim 12\%$), Organic True-Blue Light-Emitting Diodes Employing Novel Design of Iridium (III) Phosphors. <i>Advanced Materials</i> , 2009, 21, 2221-2225.	11.1	195
35	Platinum(II) Complexes with Pyridyl Azolate-Based Chelates: Synthesis, Structural Characterization, and Tuning of Photo- and Electrophosphorescence. <i>Inorganic Chemistry</i> , 2006, 45, 137-146.	1.9	180
36	Thermodynamic vs. kinetic control of excited-state proton transfer reactions. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2015, 22, 1-18.	5.6	180

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37	Balance the Carrier Mobility To Achieve High Performance Exciplex OLED Using a Triazine-Based Acceptor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4811-4818.	4.0	173
38	Control of the Reversibility of Excited-State Intramolecular Proton Transfer (ESIPT) Reaction: Host-Polarity Tuning White Organic Light Emitting Diode on a New Thiazolo[5,4- <i>d</i>]thiazole ESIPT System. <i>Chemistry of Materials</i> , 2016, 28, 8815-8824.	3.2	171
39	Potassium ion recognition by 15-crown-5 functionalized CdSe/ZnS quantum dots in H ₂ O. <i>Chemical Communications</i> , 2006, , 263-265.	2.2	169
40	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3017-3021.	7.2	166
41	Excited-State Intramolecular Proton Transfer in Five-Membered Hydrogen-Bonding Systems: 2-Pyridyl Pyrazoles. <i>Journal of the American Chemical Society</i> , 2003, 125, 10800-10801.	6.6	164
42	Highly Efficient Bilayer Interface Exciplex For Yellow Organic Light-Emitting Diode. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6826-6831.	4.0	163
43	Bright and Efficient, Non-Doped, Phosphorescent Organic Red-Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2004, 14, 1221-1226.	7.8	162
44	Highly Efficient Red Phosphorescent Osmium(II) Complexes for OLED Applications. <i>Organometallics</i> , 2004, 23, 3745-3748.	1.1	162
45	Excited-State Amine ⁺ Imine Double Proton Transfer in 7-Azaindoline. <i>Journal of Physical Chemistry B</i> , 2000, 104, 7818-7829.	1.2	159
46	In Search of High-Performance Platinum(II) Phosphorescent Materials for the Fabrication of Red Electroluminescent Devices. <i>Advanced Functional Materials</i> , 2005, 15, 223-229.	7.8	158
47	Organic Light-Emitting Diodes based on Charge-Neutral Ru(II) Phosphorescent Emitters. <i>Advanced Materials</i> , 2005, 17, 1059-1064.	11.1	158
48	Feeling blue? Blue phosphors for OLEDs. <i>Materials Today</i> , 2011, 14, 472-479.	8.3	153
49	Efficient Red-Emitting Cyclometalated Iridium(III) Complexes Containing Lepidine-Based Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 5677-5685.	1.9	152
50	Amino proton donors in excited-state intramolecular proton-transfer reactions. <i>Nature Reviews Chemistry</i> , 2018, 2, 131-143.	13.8	151
51	Rational Design of Charge-Neutral, Near-Infrared-Emitting Osmium(II) Complexes and OLED Fabrication. <i>Advanced Functional Materials</i> , 2009, 19, 2639-2647.	7.8	147
52	Yellow and Red Electrophosphors Based on Linkage Isomers of Phenylisoquinolinyliridium Complexes: Distinct Differences in Photophysical and Electroluminescence Properties. <i>Advanced Functional Materials</i> , 2005, 15, 387-395.	7.8	146
53	Extensive spectral tuning of the proton transfer emission from 550 to 675 nm via a rational derivatization of 10-hydroxybenzo[<i>h</i>]quinoline. <i>Chemical Communications</i> , 2006, , 4395.	2.2	145
54	Optically Triggered Stepwise Double-Proton Transfer in an Intramolecular Proton Relay: A Case Study of 1,8-Dihydroxy-2-naphthaldehyde. <i>Journal of the American Chemical Society</i> , 2015, 137, 14349-14357.	6.6	145

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55	Carbon Nanoparticle-Enhanced Immunochemical Detection for Protein Tumor Marker with Cadmium Sulfide Biotracers. <i>Analytical Chemistry</i> , 2009, 81, 1340-1346.	3.2	139
56	Modulation of Metallophilic Bonds: Solvent-Induced Isomerization and Luminescence Vapochromism of a Polymorphic Au ⁺ Cu Cluster. <i>Journal of the American Chemical Society</i> , 2012, 134, 6564-6567.	6.6	135
57	A New Series of Quadrupolar Type Two-Photon Absorption Chromophores Bearing 11, 12-Dibutoxydibenzo[<i>a,c</i>]phenazine Bridged Amines; Their Applications in Two-Photon Fluorescence Imaging and Two-Photon Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2009, 19, 2388-2397.	7.8	133
58	Comprehensive Studies on an Overall Proton Transfer Cycle of the <i>ortho</i> -Green Fluorescent Protein Chromophore. <i>Journal of the American Chemical Society</i> , 2011, 133, 2932-2943.	6.6	133
59	Organic light-emitting diodes based on charge-neutral Os(II) emitters: generation of saturated red emission with very high external quantum efficiency. <i>Journal of Materials Chemistry</i> , 2005, 15, 460.	6.7	132
60	Orange and Red Organic Light-Emitting Devices Employing Neutral Ru(II) Emitters: Rational Design and Prospects for Color Tuning. <i>Advanced Functional Materials</i> , 2006, 16, 1615-1626.	7.8	130
61	A New and Facile Method To Prepare Uniform Hollow MnO/Functionalized mSiO ₂ Core/Shell Nanocomposites. <i>ACS Nano</i> , 2011, 5, 4177-4187.	7.3	130
62	Donor-acceptor dyes with fluorine substituted phenylene spacer for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 1937-1945.	6.7	129
63	A novel excited-state intramolecular proton transfer molecule, 10-hydroxybenzo[<i>h</i>]quinoline. <i>Chemical Physics Letters</i> , 1992, 193, 151-154.	1.2	128
64	CdS Nanorods Imbedded in Liquid Crystal Cells for Smart Optoelectronic Devices. <i>Nano Letters</i> , 2007, 7, 1908-1913.	4.5	128
65	Iridium(III) Complexes of a Dicyclopentylphosphite Tripod Ligand: Strategy to Achieve Blue Phosphorescence Without Fluorine Substituents and Fabrication of OLEDs. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3182-3186.	7.2	128
66	Femtosecond Dynamics on Excited-State Proton/ Charge-Transfer Reaction in 4- <i>N,N</i> -Diethylamino-3-hydroxyflavone. The Role of Dipolar Vectors in Constructing a Rational Mechanism. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3777-3787.	1.1	126
67	Snapshotting the Excited-State Planarization of Chemically Locked <i>N,N</i> -Disubstituted Dihydrodibenzo[<i>a,c</i>]phenazines. <i>Journal of the American Chemical Society</i> , 2017, 139, 1636-1644.	6.6	124
68	Dye Molecular Structure Device Open-Circuit Voltage Correlation in Ru(II) Sensitizers with Heteroleptic Tridentate Chelates for Dye-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 7488-7496.	6.6	123
69	L-ascorbic acid quenching of singlet delta molecular oxygen in aqueous media: Generalized antioxidant property of vitamin C. <i>Biochemical and Biophysical Research Communications</i> , 1983, 115, 932-937.	1.0	122
70	Excited-State Intramolecular Proton Transfer Molecules Bearing <i>ortho</i> -Hydroxy Analogues of Green Fluorescent Protein Chromophore. <i>Journal of Organic Chemistry</i> , 2011, 76, 8189-8202.	1.7	118
71	The role of host-guest interactions in organic emitters employing MR-TADF. <i>Nature Photonics</i> , 2021, 15, 780-786.	15.6	118
72	Development of thiocyanate-free, charge-neutral Ru(II) sensitizers for dye-sensitized solar cells. <i>Chemical Communications</i> , 2010, 46, 5124.	2.2	115

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73	Metal complexes with pyridyl azolates: Design, preparation and applications. <i>Coordination Chemistry Reviews</i> , 2014, 281, 1-25.	9.5	115
74	Excited-state intramolecular proton-transfer reaction demonstrating anti-Kasha behavior. <i>Chemical Science</i> , 2016, 7, 655-665.	3.7	115
75	A New Family of Homoleptic Ir(III) Complexes: Tris-Pyridyl Azolate Derivatives with Dual Phosphorescence. <i>ChemPhysChem</i> , 2006, 7, 2294-2297.	1.0	114
76	Rational Color Tuning and Luminescent Properties of Functionalized Boron-Containing 2-Pyridyl Pyrrolide Complexes. <i>Advanced Functional Materials</i> , 2005, 15, 567-574.	7.8	113
77	Probe exciplex structure of highly efficient thermally activated delayed fluorescence organic light emitting diodes. <i>Nature Communications</i> , 2018, 9, 3111.	5.8	112
78	Fabrication of Circularly Polarized MRâ€TADF Emitters with Asymmetrical Peripheralâ€Lock Enhancing Helical B/Nâ€Doped Nanographenes. <i>Advanced Materials</i> , 2022, 34, e2105080.	11.1	112
79	Design and synthesis of iridium(iii) azacrown complex: application as a highly sensitive metal cation phosphorescence sensor. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 98.	1.5	110
80	Color tuning associated with heteroleptic cyclometalated Ir(iii) complexes: influence of the ancillary ligand. <i>Dalton Transactions</i> , 2007, , 1881.	1.6	110
81	Synthesis, Characterization, and Highly Efficient Catalytic Reactivity of Suspended Palladium Nanoparticles. <i>Journal of Catalysis</i> , 2000, 195, 336-341.	3.1	109
82	Solvent-Polarity Tuning Excited-State Charge Coupled Proton-Transfer Reaction in p-N,N-Ditolylaminosalicylaldehydes. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6487-6498.	1.1	108
83	Semi-quantitative assessment of the intersystem crossing rate: an extension of the El-Sayed rule to the emissive transition metal complexes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26184-26192.	1.3	108
84	Insight into the mechanism and outcoupling enhancement of excimer-associated white light generation. <i>Chemical Science</i> , 2016, 7, 3556-3563.	3.7	108
85	Blue-Emitting Platinum(II) Complexes Bearing both Pyridylpyrazolate Chelate and Bridging Pyrazolate Ligands:â€Synthesis, Structures, and Photophysical Properties. <i>Inorganic Chemistry</i> , 2007, 46, 11202-11212.	1.9	107
86	Enhanced Performance and Air Stability of 3.2% Hybrid Solar Cells: How the Functional Polymer and CdTe Nanostructure Boost the Solar Cell Efficiency. <i>Advanced Materials</i> , 2011, 23, 5451-5455.	11.1	107
87	Highly Efficient Dyeâ€Sensitized Solar Cells Based on Panchromatic Ruthenium Sensitizers with Quinolinylbipyridine Anchors. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 178-183.	7.2	107
88	Pyreno[2,1-b]pyrrole and Bis(pyreno[2,1-b]pyrrole) as Selective Chemosensors of Fluoride Ion:â€A Mechanistic Study. <i>Journal of Organic Chemistry</i> , 2007, 72, 3537-3542.	1.7	106
89	Locked <i>ortho</i>- and <i>para</i>-Core Chromophores of Green Fluorescent Protein; Dramatic Emission Enhancement via Structural Constraint. <i>Journal of the American Chemical Society</i> , 2014, 136, 11805-11812.	6.6	105
90	Synthesis and Characterization of Metal Complexes Possessing the 5-(2-Pyridyl) Pyrazolate Ligands:â€The Observation of Remarkable Osmium-Induced Blue Phosphorescence in Solution at Room Temperature. <i>Organometallics</i> , 2003, 22, 4938-4946.	1.1	103

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91	Harvesting Highly Electronically Excited Energy to Triplet Manifolds: State-Dependent Intersystem Crossing Rate in Os(II) and Ag(I) Complexes. <i>Journal of the American Chemical Society</i> , 2012, 134, 7715-7724.	6.6	101
92	Imaging of Proteins in Tissue Samples Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 11171-11175.	3.2	101
93	Halogen Bonding to Amplify Luminescence: A Case Study Using a Platinum Cyclometalated Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14057-14060.	7.2	98
94	Neutral, panchromatic Ru(II) terpyridine sensitizers bearing pyridine pyrazolate chelates with superior DSSC performance. <i>Chemical Communications</i> , 2009, , 5844.	2.2	96
95	Os(II) Based Green to Red Phosphors: A Great Prospect for Solution-Processed, Highly Efficient Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2012, 22, 3491-3499.	7.8	96
96	Fluorescent and Circular Dichroic Detection of Monosaccharides by Molecular Sensors: \hat{A} Bis[(Pyrrolyl)ethynyl]naphthyridine and Bis[(Indolyl)ethynyl]naphthyridine. <i>Journal of the American Chemical Society</i> , 2004, 126, 3559-3566.	6.6	94
97	A Genuine Intramolecular Proton Relay System Undergoing Excited-State Double Proton Transfer Reaction. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 3063-3068.	2.1	94
98	The Host/Guest Type of Excited-State Proton Transfer; a General Review. <i>Journal of the Chinese Chemical Society</i> , 2001, 48, 651-682.	0.8	92
99	Tris(thiocyanate) Ruthenium(II) Sensitizers with Functionalized Dicarboxyterpyridine for Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8270-8274.	7.2	91
100	A New Class of Sky-Blue-Emitting Ir(III) Phosphors Assembled Using Fluorine-Free Pyridyl Pyrimidine Cyclometalates: Application toward High-Performance Sky-Blue- and White-Emitting OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7341-7351.	4.0	90
101	Switching Luminescent Properties in Osmium-Based \hat{I}^2 -Diketonate Complexes. <i>ChemPhysChem</i> , 2005, 6, 2012-2017.	1.0	88
102	Organic dyes with remarkably high absorptivity; all solid-state dye sensitized solar cell and role of fluorine substitution. <i>Chemical Communications</i> , 2010, 46, 5256.	2.2	88
103	Mechanoluminescent and efficient white OLEDs for Pt(II) phosphors bearing spatially encumbered pyridinyl pyrazolate chelates. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7582.	2.7	87
104	Pt(II) Metal Complexes Tailored with a Newly Designed Spiro-Arranged Tetradentate Ligand; Harnessing of Charge-Transfer Phosphorescence and Fabrication of Sky Blue and White OLEDs. <i>Inorganic Chemistry</i> , 2015, 54, 4029-4038.	1.9	87
105	Spectroscopy and Femtosecond Dynamics of Excited-State Proton Transfer Induced Charge Transfer Reaction. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8323-8332.	1.1	86
106	The observation of solvent-dependent proton-transfer / charge-transfer lasers from 4'-diethylamino-3-hydroxyflavone. <i>Chemical Physics Letters</i> , 1993, 204, 395-399.	1.2	85
107	Syntheses and spectroscopic studies of spirobifluorene-bridged bipolar systems; photoinduced electron transfer reactions Electronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b2/b208269a/ . <i>Chemical Communications</i> , 2002, , 2874-2875.	2.2	85
108	Tuning Excited-State Charge/Proton Transfer Coupled Reaction via the Dipolar Functionality. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6452-6454.	1.1	85

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109	Probing Lectin and Sperm with Carbohydrate-Modified Quantum Dots. <i>ChemBioChem</i> , 2005, 6, 1899-1905.	1.3	85
110	Electrophosphorescent Polyfluorenes Containing Osmium Complexes in the Conjugated Backbone. <i>Advanced Functional Materials</i> , 2008, 18, 1430-1439.	7.8	85
111	Structure and Thermodynamics of 7-Azaindole Hydrogen-Bonded Complexes. <i>The Journal of Physical Chemistry</i> , 1995, 99, 11994-12000.	2.9	84
112	Spectroscopy and Femtosecond Dynamics of Type-II CdSe/ZnTe Core-Shell Semiconductor Synthesized via the CdO Precursor. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10687-10691.	1.2	84
113	Phosphorescent Iridium(III) Complexes with Nonconjugated Cyclometalated Ligands. <i>Chemistry - A European Journal</i> , 2008, 14, 5423-5434.	1.7	84
114	Macrophage physiological function after superparamagnetic iron oxide labeling. <i>NMR in Biomedicine</i> , 2008, 21, 820-829.	1.6	84
115	Large AuAg Alloy Nanoparticles Synthesized in Organic Media Using a One-Pot Reaction: Their Applications for High-Performance Bulk Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2012, 22, 3975-3984.	7.8	82
116	5,14-Diaryldiindeno[2,1-f:1',2'-j]picene: A New Stable [7]Helicene with a Partial Biradical Character. <i>Journal of the American Chemical Society</i> , 2018, 140, 14357-14366.	6.6	81
117	Sulfur-Based Intramolecular Hydrogen-Bond: Excited-State Hydrogen-Bond On/Off Switch with Dual Room-Temperature Phosphorescence. <i>Journal of the American Chemical Society</i> , 2019, 141, 9885-9894.	6.6	81
118	Luminescent Platinum(II) Complexes Containing Isoquinolinyl Indazolate Ligands: Synthetic Reaction Pathway and Photophysical Properties. <i>Inorganic Chemistry</i> , 2007, 46, 7064-7074.	1.9	79
119	Octanuclear gold(III) alkynyl-diphosphine clusters showing thermochromic luminescence. <i>Chemical Communications</i> , 2011, 47, 5533-5535.	2.2	78
120	Orthogonally Substituted Benzimidazole-Carbazole Benzene As Universal Hosts for Phosphorescent Organic Light-Emitting Diodes. <i>Organic Letters</i> , 2016, 18, 672-675.	2.4	78
121	Tuning the Conformation and Color of Conjugated Polyheterocyclic Skeletons by Installing ortho-Methyl Groups. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9880-9884.	7.2	77
122	Thiol-Functionalized Gold Nanodots: Two-Photon Absorption Property and Imaging In Vitro. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21082-21089.	1.5	76
123	Theoretical Study of N749 Dyes Anchoring on the (TiO ₂) ₂₈ Surface in DSSCs and Their Electronic Absorption Properties. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16338-16345.	1.5	76
124	A new class of N-H proton transfer molecules: wide tautomer emission tuning from 590 nm to 770 nm via a facile, single site amino derivatization in 10-aminobenzo[h]quinoline. <i>Chemical Communications</i> , 2015, 51, 16099-16102.	2.2	76
125	Anomalously Long-Lasting Blue PhOLED Featuring Phenyl-Pyrimidine Cyclometalated Iridium Emitter. <i>CheM</i> , 2017, 3, 461-476.	5.8	76
126	Dendrimer- and copolymer-based nanoparticles for magnetic resonance cancer theranostics. <i>Theranostics</i> , 2018, 8, 6322-6349.	4.6	76

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127	Harnessing Dielectric Confinement on Tin Perovskites to Achieve Emission Quantum Yield up to 21%. <i>Journal of the American Chemical Society</i> , 2019, 141, 10324-10330.	6.6	76
128	Highly Emissive Dinuclear Platinum(III) Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 7469-7479.	6.6	76
129	Proton-Transfer Tautomerism of 7-Hydroxyquinolines Mediated by Hydrogen-Bonded Complexes. <i>Journal of Physical Chemistry A</i> , 1999, 103, 1939-1949.	1.1	75
130	Application of F4TCNQ doped spiro-MeOTAD in high performance solid state dye sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11689.	1.3	75
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