Yun Chi

List of Publications by Year
in descending order

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399	22,974	8732 75	13338 130
papers	citations	h-index	g-index

421	421	421	12602
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transition-metal phosphors with cyclometalating ligands: fundamentals and applications. Chemical Society Reviews, 2010, 39, 638-655.	18.7	1,222
2	Phosphorescent Dyes for Organic Light-Emitting Diodes. Chemistry - A European Journal, 2007, 13, 380-395.	1.7	747
3	New Dopant and Host Materials for Blue-Light-Emitting Phosphorescent Organic Electroluminescent Devices. Advanced Materials, 2005, 17, 285-289.	11.1	675
4	Near-infrared organic light-emitting diodes with very high external quantum efficiency and radiance. Nature Photonics, 2017, 11, 63-68.	15.6	494
5	Blue-Emitting Heteroleptic Iridium(III) Complexes Suitable for High-Efficiency Phosphorescent OLEDs. Angewandte Chemie - International Edition, 2007, 46, 2418-2421.	7.2	396
6	Highly Efficient Blueâ€Emitting Iridium(III) Carbene Complexes and Phosphorescent OLEDs. Angewandte Chemie - International Edition, 2008, 47, 4542-4545.	7.2	382
7	Systematic Investigation of the Metal-Structureâ€“Photophysics Relationship of Emissive d¹⁰-Complexes of Group 11 Elements: The Prospect of Application in Organic Light Emitting Devices. Journal of the American Chemical Society, 2011, 133, 12085-12099.	6.6	306
8	Harvesting luminescence via harnessing the photophysical properties of transition metal complexes. Coordination Chemistry Reviews, 2011, 255, 2653-2665.	9.5	292
9	Iridium(III) Complexes with Orthometalated Quinoxaline Ligands:Â Subtle Tuning of Emission to the Saturated Red Color. Inorganic Chemistry, 2005, 44, 1344-1353.	1.9	276
10	Contemporary progresses on neutral, highly emissive Os(ii) and Ru(ii) complexes. Chemical Society Reviews, 2007, 36, 1421.	18.7	253
11	Bisâ€Tridentate Ir(III) Complexes with Nearly Unitary RGB Phosphorescence and Organic Lightâ€Emitting Diodes with External Quantum Efficiency Exceeding 31%. Advanced Materials, 2016, 28, 2795-2800.	11.1	247
12	Overcoming the energy gap law in near-infrared OLEDs by excitonâ€“vibration decoupling. Nature Photonics, 2020, 14, 570-577.	15.6	237
13	Osmiumâ€and Rutheniumâ€Based Phosphorescent Materials: Design, Photophysics, and Utilization in OLED Fabrication. European Journal of Inorganic Chemistry, 2006, 2006, 3319-3332.	1.0	233
14	Iridiumâ€Complexâ€Functionalized Fe₃O₄/SiO₂ Core/Shell Nanoparticles: A Facile Threeâ€inâ€One System in Magnetic Resonance Imaging, Luminescence Imaging, and Photodynamic Therapy. Small, 2008, 4, 218-224.	5.2	229
15	Heteroleptic Cyclometalated Iridium(III) Complexes Displaying Blue Phosphorescence in Solution and Solid State at Room Temperature. Inorganic Chemistry, 2005, 44, 7770-7780.	1.9	210
16	Crystal Organic Lightâ€Emitting Diodes with Perfectly Oriented Nonâ€Doped Ptâ€Based Emitting Layer. Advanced Materials, 2016, 28, 2526-2532.	11.1	206
17	Ruthenium(II) Sensitizers with Heteroleptic Tridentate Chelates for Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2011, 50, 2054-2058.	7.2	199
18	Simple organic molecules bearing a 3,4-ethylenedioxythiophene linker for efficient dye-sensitized solar cells. Chemical Communications, 2008, , 5152.	2.2	195

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19	En Route to High External Quantum Efficiency (â¼12%), Organic Trueâ€Blueâ€Lightâ€Emitting Diodes Employing Novel Design of Iridium (III) Phosphors. Advanced Materials, 2009, 21, 2221-2225.	11.1	195
20	Realizing Green Phosphorescent Light-Emitting Materials from Rhenium(I) Pyrazolato Diimine Complexes. Inorganic Chemistry, 2003, 42, 1248-1255.	1.9	188
21	Platinum(II) Complexes with Pyridyl Azolate-Based Chelates:â€‰ Synthesis, Structural Characterization, and Tuning of Photo- and Electrophosphorescence. Inorganic Chemistry, 2006, 45, 137-146.	1.9	180
22	Crosslinkable Hole-Transport Layer on Conducting Polymer for High-Efficiency White Polymer Light-Emitting Diodes. Advanced Materials, 2007, 19, 300-304.	11.1	170
23	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Lightâ€Emitting Diodes. Angewandte Chemie - International Edition, 2016, 55, 3017-3021.	7.2	166
24	Excited-State Intramolecular Proton Transfer in Five-Membered Hydrogen-Bonding Systems:Â 2-Pyridyl Pyrazoles. Journal of the American Chemical Society, 2003, 125, 10800-10801.	6.6	164
25	Bright and Efficient, Non-Doped, Phosphorescent Organic Red-Light-Emitting Diodes. Advanced Functional Materials, 2004, 14, 1221-1226.	7.8	162
26	Highly Efficient Red Phosphorescent Osmium(II) Complexes for OLED Applications. Organometallics, 2004, 23, 3745-3748.	1.1	162
27	Highly Efficient Polymer Whiteâ€Lightâ€Emitting Diodes Based on Lithium Salts Doped Electron Transporting Layer. Advanced Materials, 2009, 21, 361-365.	11.1	160
28	In Search of High-Performance Platinum(II) Phosphorescent Materials for the Fabrication of Red Electroluminescent Devices. Advanced Functional Materials, 2005, 15, 223-229.	7.8	158
29	Organic Light-Emitting Diodes based on Charge-Neutral RuII Phosphorescent Emitters. Advanced Materials, 2005, 17, 1059-1064.	11.1	158
30	Feeling blue? Blue phosphors for OLEDs. Materials Today, 2011, 14, 472-479.	8.3	153
31	Atomic layer deposition of noble metals: Exploration of the low limit of the deposition temperature. Journal of Materials Research, 2004, 19, 3353-3358.	1.2	152
32	Rational Design of Chargeâ€Neutral, Nearâ€Infraredâ€Emitting Osmium(II) Complexes and OLED Fabrication. Advanced Functional Materials, 2009, 19, 2639-2647.	7.8	147
33	Efficient white-light-emitting diodes based on poly(N-vinylcarbazole) doped with blue fluorescent and orange phosphorescent materials. Applied Physics Letters, 2006, 88, 251110.	1.5	140
34	Novel host material for highly efficient blue phosphorescent OLEDs. Journal of Materials Chemistry, 2007, 17, 1692.	6.7	138
35	Highly Efficient Light-Emitting Diodes Based on Fluorene Copolymer Consisting of Triarylamine Units in the Main Chain and Oxadiazole Pendent Groups. Macromolecules, 2005, 38, 9028-9036.	2.2	137
36	Organic light-emitting diodes based on charge-neutral Os(ii) emitters: generation of saturated red emission with very high external quantum efficiency. Journal of Materials Chemistry, 2005, 15, 460.	6.7	132

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37	Orange and Red Organic Light-Emitting Devices Employing Neutral Ru(II) Emitters: Rational Design and Prospects for Color Tuning. Advanced Functional Materials, 2006, 16, 1615-1626.	7.8	130
38	A New and Facile Method To Prepare Uniform Hollow MnO/Functionalized mSiO₂ Core/Shell Nanocomposites. ACS Nano, 2011, 5, 4177-4187.	7.3	130
39	Emissive bis-tridentate Ir(III) metal complexes: Tactics, photophysics and applications. Coordination Chemistry Reviews, 2017, 346, 91-100.	9.5	130
40	Donorâ€“acceptor dyes with fluorine substituted phenylene spacer for dye-sensitized solar cells. Journal of Materials Chemistry, 2011, 21, 1937-1945.	6.7	129
41	Iridium(III) Complexes of a Dicyclometalated Phosphite Tripod Ligand: Strategy to Achieve Blue Phosphorescence Without Fluorine Substituents and Fabrication of OLEDs. Angewandte Chemie - International Edition, 2011, 50, 3182-3186.	7.2	128
42	Dye Molecular Structure Device Open-Circuit Voltage Correlation in Ru(II) Sensitizers with Heteroleptic Tridentate Chelates for Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2012, 134, 7488-7496.	6.6	123
43	Bisâ€Tridentate Ir(III) Metal Phosphors for Efficient Deepâ€Blue Organic Lightâ€Emitting Diodes. Advanced Materials, 2017, 29, 1702464.	11.1	117
44	Development of thiocyanate-free, charge-neutral Ru(ii) sensitizers for dye-sensitized solar cells. Chemical Communications, 2010, 46, 5124.	2.2	115
45	Metal complexes with pyridyl azolates: Design, preparation and applications. Coordination Chemistry Reviews, 2014, 281, 1-25.	9.5	115
46	A New Family of Homoleptic Ir(III) Complexes: Tris-Pyridyl Azolate Derivatives with Dual Phosphorescence. ChemPhysChem, 2006, 7, 2294-2297.	1.0	114
47	Rational Color Tuning and Luminescent Properties of Functionalized Boron-Containing 2-Pyridyl Pyrrolide Complexes. Advanced Functional Materials, 2005, 15, 567-574.	7.8	113
48	Design and synthesis of iridium(iii) azacrown complex: application as a highly sensitive metal cation phosphorescence sensor. Organic and Biomolecular Chemistry, 2006, 4, 98.	1.5	110
49	Color tuning associated with heteroleptic cyclometalated Ir(iii) complexes: influence of the ancillary ligand. Dalton Transactions, 2007, , 1881.	1.6	110
50	Semi-quantitative assessment of the intersystem crossing rate: an extension of the El-Sayed rule to the emissive transition metal complexes. Physical Chemistry Chemical Physics, 2014, 16, 26184-26192.	1.3	108
51	Blue-Emitting Platinum(II) Complexes Bearing both Pyridylpyrazolate Chelate and Bridging Pyrazolate Ligands:â€‰ Synthesis, Structures, and Photophysical Properties. Inorganic Chemistry, 2007, 46, 11202-11212.	1.9	107
52	Highly Efficient Dyeâ€Sensitized Solar Cells Based on Panchromatic Ruthenium Sensitizers with Quinolinylbipyridine Anchors. Angewandte Chemie - International Edition, 2014, 53, 178-183.	7.2	107
53	Efficient red electrophosphorescence from a fluorene-based bipolar host material. Organic Electronics, 2009, 10, 871-876.	1.4	104
54	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. Organometallics, 2003, 22, 4938-4946.	1.1	103

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55	Monodisperse Starburst Oligofluorene-Functionalized 4,4â€²,4â€³-Tris(carbazol-9-yl)-triphenylamines: Their Synthesis and Deep-Blue Fluorescent Properties for Organic Light-Emitting Diode Applications. Advanced Functional Materials, 2007, 17, 1028-1036.	7.8	102
56	Harvesting Highly Electronically Excited Energy to Triplet Manifolds: State-Dependent Intersystem Crossing Rate in Os(II) and Ag(I) Complexes. Journal of the American Chemical Society, 2012, 134, 7715-7724.	6.6	101
57	Highly Efficient White Polymer Lightâ€Emitting Diodes Based on Nanometerâ€Scale Control of the Electron Injection Layer Morphology through Solvent Processing. Advanced Materials, 2008, 20, 1565-1570.	11.1	97
58	Neutral, panchromatic Ru(ii) terpyridine sensitizers bearing pyridine pyrazolate chelates with superior DSSC performance. Chemical Communications, 2009, , 5844.	2.2	96
59	A diarylborane-substituted carbazole as a universal bipolar host material for highly efficient electrophosphorescence devices. Journal of Materials Chemistry, 2012, 22, 870-876.	6.7	96
60	Os(II) Based Green to Red Phosphors: A Great Prospect for Solutionâ€Processed, Highly Efficient Organic Lightâ€Emitting Diodes. Advanced Functional Materials, 2012, 22, 3491-3499.	7.8	96
61	Highly Efficient Electrophosphorescent Devices with Saturated Red Emission from a Neutral Osmium Complex. Chemistry of Materials, 2005, 17, 3532-3536.	3.2	91
62	Tris(thiocyanate) Ruthenium(II) Sensitizers with Functionalized Dicarboxyterpyridine for Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2011, 50, 8270-8274.	7.2	91
63	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. ACS Applied Materials & Interfaces, 2013, 5, 7341-7351.	4.0	90
64	Switching Luminescent Properties in Osmium-Based Î²-Diketonate Complexes. ChemPhysChem, 2005, 6, 2012-2017.	1.0	88
65	Organic dyes with remarkably high absorptivity; all solid-state dye sensitized solar cell and role of fluorine substitution. Chemical Communications, 2010, 46, 5256.	2.2	88
66	Novel spiro-based hole transporting materials for efficient perovskite solar cells. Chemical Communications, 2015, 51, 15518-15521.	2.2	88
67	Mechanoluminescent and efficient white OLEDs for Pt(ii) phosphors bearing spatially encumbered pyridinyl pyrazolate chelates. Journal of Materials Chemistry C, 2013, 1, 7582.	2.7	87
68	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. Inorganic Chemistry, 2015, 54, 4029-4038.	1.9	87
69	Electrophosphorescent Polyfluorenes Containing Osmium Complexes in the Conjugated Backbone. Advanced Functional Materials, 2008, 18, 1430-1439.	7.8	85
70	Indolo[3,2-b]carbazole/benzimidazole hybrid bipolar host materials for highly efficient red, yellow, and green phosphorescent organic light emitting diodes. Journal of Materials Chemistry, 2012, 22, 8399.	6.7	85
71	Phosphorescent Iridium(III) Complexes with Nonconjugated Cyclometalated Ligands. Chemistry - A European Journal, 2008, 14, 5423-5434.	1.7	84
72	Efficient phosphorescent white OLEDs with high color rendering capability. Organic Electronics, 2010, 11, 412-418.	1.4	83

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73	Growth control and characterization of vertically aligned IrO2 nanorods. Journal of Materials Chemistry, 2003, 13, 2525.	6.7	79
74	Luminescent Platinum(II) Complexes Containing Isoquinolinyl Indazolate Ligands:â€‰ Synthetic Reaction Pathway and Photophysical Properties. Inorganic Chemistry, 2007, 46, 7064-7074.	1.9	79
75	Theoretical Study of N749 Dyes Anchoring on the (TiO₂)₂₈ Surface in DSSCs and Their Electronic Absorption Properties. Journal of Physical Chemistry C, 2012, 116, 16338-16345.	1.5	76
76	Anomalously Long-Lasting Blue PhOLED Featuring Phenyl-Pyrimidine Cyclometalated Iridium Emitter. CheM, 2017, 3, 461-476.	5.8	76
77	An Aluminum Complex Supported by a Fluorous Diamino-Dialkoxide Ligand for the Highly Productive Ring-Opening Polymerization of Îµ-Caprolactone. Organometallics, 2005, 24, 6279-6282.	1.1	75
78	Application of F4TCNQ doped spiro-MeOTAD in high performance solid state dye sensitized solar cells. Physical Chemistry Chemical Physics, 2012, 14, 11689.	1.3	75
79	Functional Pyrimidineâ€Based Thermally Activated Delay Fluorescence Emitters: Photophysics, Mechanochromism, and Fabrication of Organic Lightâ€Emitting Diodes. Chemistry - A European Journal, 2017, 23, 2858-2866.	1.7	75
80	Optically Triggered Planarization of Boryl-Substituted Phenoxazine: Another Horizon of TADF Molecules and High-Performance OLEDs. ACS Applied Materials & Interfaces, 2018, 10, 12886-12896.	4.0	75
81	Bisâ€Tridentate Iridium(III) Phosphors with Very High Photostability and Fabrication of Blueâ€Emitting OLEDs. Advanced Science, 2018, 5, 1800846.	5.6	75
82	Spiroâ€Phenylpyrazoleâ€9,9â€²â€Thioxanthene Analogues as Holeâ€Transporting Materials for Efficient Planar Perovskite Solar Cells. Advanced Energy Materials, 2017, 7, 1700823.	10.2	74
83	Engineering of Osmium(II)â€Based Light Absorbers for Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2012, 51, 5642-5646.	7.2	73
84	High-color-rendering pure-white phosphorescent organic light-emitting devices employing only two complementary colors. Organic Electronics, 2010, 11, 266-272.	1.4	72
85	Mesomorphism and Luminescence Properties of Platinum(II) Complexes with Tris(alkoxy)phenylâ€Functionalized Pyridyl Pyrazolate Chelates. Chemistry - A European Journal, 2011, 17, 546-556.	1.7	71
86	Blue-emitting Ir(iii) phosphors with 2-pyridyl triazolate chromophores and fabrication of sky blue- and white-emitting OLEDs. Journal of Materials Chemistry C, 2013, 1, 2639.	2.7	69
87	Ruthenium and Osmium Complexes That Bear Functional Azolate Chelates for Dyeâ€Sensitized Solar Cells. Chemistry - an Asian Journal, 2015, 10, 1098-1115.	1.7	69
88	Iridium-complex modified CdSe/ZnS quantum dots; a conceptual design for bifunctionality toward imaging and photosensitization. Chemical Communications, 2006, , 615.	2.2	68
89	Preparation and Structure of Cp*2Ru2(.mu.-Cl)(.mu.-X)(C60), X = H and Cl. Novel Dinuclear Fullerene Complexes with and without Direct Ruthenium-Ruthenium Bonding. Organometallics, 1995, 14, 4454-4456.	1.1	67
90	New Family of Rutheniumâ€Dyeâ€Sensitized Nanocrystalline TiO₂ Solar Cells with a High Solarâ€Energyâ€Conversion Efficiency. Advanced Functional Materials, 2007, 17, 2964-2974.	7.8	67

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91	Excited-State Intramolecular Proton Transfer (ESIPT) Fine Tuned by Quinolineâˆ'Pyrazole Isomerism: Ï€-Conjugation Effect on ESIPT. Journal of Physical Chemistry A, 2010, 114, 7886-7891.	1.1	67
92	Phosphorescent Ir(iii) complexes bearing double benzyldiphenylphosphine cyclometalates; strategic synthesis, fundamental and integration for white OLED fabrication. Journal of Materials Chemistry, 2010, 20, 7682.	6.7	67
93	Engineering of thiocyanate-free Ru(ii) sensitizers for high efficiency dye-sensitized solar cells. Chemical Science, 2013, 4, 2423.	3.7	67
94	A Remarkable Ligand Orientational Effect in Osmium-Atom-Induced Blue Phosphorescence. Chemistry - A European Journal, 2004, 10, 6255-6264.	1.7	66
95	Efficient thermally activated delayed fluorescence of functional phenylpyridinato boron complexes and high performance organic light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 1452-1462.	2.7	65
96	Syntheses and remarkable photophysical properties of 5-(2-pyridyl) pyrazolate boron complexes; photoinduced electron transferElectronic supplementary information (ESI) available: Photophysical experimental details, the spectral data of all boron complexes, and crystal data of 2a. See http://www.rsc.org/suppdata/cc/b3/b309374c/. Chemical Communications, 2003, , 2628.	2.2	64
97	Room-temperature NIR phosphorescence of new iridium (III) complexes with ligands derived from benzoquinoxaline. Canadian Journal of Chemistry, 2006, 84, 309-318.	0.6	64
98	Blue to True-Blue Phosphorescent Ir^{III} Complexes Bearing a Nonconjugated Ancillary Phosphine Chelate: Strategic Synthesis, Photophysics, and Device Integration. ACS Applied Materials & Interfaces, 2009, 1, 433-442.	4.0	64
99	Harnessing the open-circuit voltage via a new series of Ru(ii) sensitizers bearing (iso-)quinolinyl pyrazolate ancillaries. Energy and Environmental Science, 2013, 6, 859.	15.6	64
100	Metal Complexes with Azolateâ€Functionalized Multidentate Ligands: Tactical Designs and Optoelectronic Applications. Chemistry - A European Journal, 2016, 22, 17892-17908.	1.7	64
101	Bis-Tridentate Iridium(III) Phosphors Bearing Functional 2-Phenyl-6-(imidazol-2-ylidene)pyridine and 2-(Pyrazol-3-yl)-6-phenylpyridine Chelates for Efficient OLEDs. Organometallics, 2016, 35, 1813-1824.	1.1	63
102	Nearâ€Infrared Thermally Activated Delayed Fluorescence Nanoparticle: A Metalâ€Free Photosensitizer for Twoâ€Photonâ€Activated Photodynamic Therapy at the Cell and Small Animal Levels. Small, 2022, 18, e2106215.	5.2	61
103	Synthesis, Characterization, and Photophysical Properties of Os(II) Diimine Complexes [Os(Nâˆ§N)(CO)2I2] (Nâˆ§N = Bipyridine, Phenanthroline, and Pyridyl Benzoxazole). Inorganic Chemistry, 2005, 44, 4287-4294.	1.9	60
104	Strategic Design and Synthesis of Osmium(II) Complexes Bearing a Single Pyridyl Azolate Ï€-Chromophore:â€‰ Achieving High-Efficiency Blue Phosphorescence by Localized Excitation. Inorganic Chemistry, 2007, 46, 10276-10286.	1.9	60
105	Authentic-Blue Phosphorescent Iridium(III) Complexes Bearing Both Hydride and Benzyl Diphenylphosphine; Control of the Emission Efficiency by Ligand Coordination Geometry. Inorganic Chemistry, 2009, 48, 8164-8172.	1.9	60
106	Diphenyl(1-naphthyl)phosphine Ancillary for Assembling of Red and Orange-Emitting Ir(III) Based Phosphors; Strategic Synthesis, Photophysics, and Organic Light-Emitting Diode Fabrication. Inorganic Chemistry, 2010, 49, 8713-8723.	1.9	60
107	The Empirical Correlation between Hydrogen Bonding Strength and Excited-State Intramolecular Proton Transfer in 2-Pyridyl Pyrazoles. Journal of Physical Chemistry A, 2012, 116, 4438-4444.	1.1	59
108	Modulation of Solidâ€State Aggregation of Squareâ€Planar Pt(II) Based Emitters: Enabling Highly Efficient Deepâ€Red/Near Infrared Electroluminescence. Advanced Functional Materials, 2020, 30, 2002494.	7.8	59

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109	Coupling of Acetylide Ligands on an Electron-Rich Tetraruthenium Diphosphido Framework:â€‰ Synthesis, Structure, and Reactivity Studies of Ru4(CO)9(Î¼-PPh2)2(C2But)2 and Ru4(CO)8(Î¼-PPh2)2(C4But2). Organometallics, 1996, 15, 5269-5271.	1.1	57
110	Blue-emitting Ir(iii) phosphors with ancillary 4,6-difluorobenzyl diphenylphosphine based cyclometalate. Dalton Transactions, 2009, , 6472.	1.6	57
111	Boosting Efficiency of Nearâ€Infrared Organic Lightâ€Emitting Diodes with Os(II)â€Based Pyrazinyl Azolate Emitters. Advanced Functional Materials, 2020, 30, 1906738.	7.8	57
112	Highly Efficient Nearâ€Infrared Electroluminescence up to 800 nm Using Platinum(II) Phosphors. Advanced Functional Materials, 2020, 30, 2002173.	7.8	57
113	Dual Room-Temperature Fluorescent and Phosphorescent Emission in 8-Quinolinolate Osmium(II) Carbonyl Complexes:Â Rationalization and Generalization of Intersystem Crossing Dynamics. Inorganic Chemistry, 2005, 44, 4594-4603.	1.9	56
114	Functional Pyrimidinyl Pyrazolate Pt(II) Complexes: Role of Nitrogen Atom in Tuning the Solidâ€State Stacking and Photophysics. Advanced Functional Materials, 2019, 29, 1900923.	7.8	56
115	Heteroleptic Ir(<scp>iii</scp>) phosphors with bis-tridentate chelating architecture for high efficiency OLEDs. Journal of Materials Chemistry C, 2015, 3, 3460-3471.	2.7	55
116	PtCoFe Nanowire Cathodes Boost Shortâ€Circuit Currents of Ru(II)â€Based Dyeâ€Sensitized Solar Cells to a Power Conversion Efficiency of 12.29%. Advanced Functional Materials, 2018, 28, 1703282.	7.8	55
117	Emissive Pt(ii) complexes bearing both cyclometalated ligand and 2-pyridyl hexafluoropropoxide ancillary chelate. Dalton Transactions, 2008, , 6901.	1.6	54
118	A solution-processable bipolar molecular glass as a host material for white electrophosphorescent devices. Journal of Materials Chemistry, 2008, 18, 3461.	6.7	54
119	Emissive Osmium(II) Complexes with Tetradentate Bis(pyridylpyrazolate) Chelates. Inorganic Chemistry, 2013, 52, 5867-5875.	1.9	54
120	First N-Borylated Emitters Displaying Highly Efficient Thermally Activated Delayed Fluorescence and High-Performance OLEDs. ACS Applied Materials & Interfaces, 2017, 9, 27090-27101.	4.0	54
121	C2-Symmetric Fluorous Diamino-Dialkoxide Complexes of Early Transition Metals. Organometallics, 2004, 23, 5450-5458.	1.1	53
122	Efficient phosphorescent white organic light-emitting devices incorporating blue iridium complex and multifunctional orangeâ€“red osmium complex. Organic Electronics, 2009, 10, 1235-1240.	1.4	53
123	Homoleptic Tris(Pyridyl Pyrazolate) Ir^{III} Complexes: En Route to Highly Efficient Phosphorescent OLEDs. Chemistry - A European Journal, 2010, 16, 4315-4327.	1.7	53
124	Phosphorescent OLEDs assembled using Os(ii) phosphors and a bipolar host material consisting of both carbazole and dibenzophosphole oxide. Journal of Materials Chemistry, 2012, 22, 10684.	6.7	53
125	Ru(ii) sensitizers with a tridentate heterocyclic cyclometalate for dye-sensitized solar cells. Energy and Environmental Science, 2012, 5, 7549.	15.6	53
126	Panchromatic Ru(<scp>ii</scp>) sensitizers bearing single thiocyanate for high efficiency dye sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 17618-17627.	5.2	53

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127	Unprecedented Homoleptic Bisâ€Tridentate Iridium(III) Phosphors: Facile, Scaledâ€Up Production, and Superior Chemical Stability. Advanced Functional Materials, 2017, 27, 1702856.	7.8	53
128	Near infrared-emitting tris-bidentate Os(ii) phosphors: control of excited state characteristics and fabrication of OLEDs. Journal of Materials Chemistry C, 2015, 3, 4910-4920.	2.7	52
129	Coordinatively and Electronically Unsaturated Tetraruthenium Clusters: Reversible Triple CO Addition to Ru4(CO)9(Î¼-PPh2)[Î¼4-Ph2PCC(Ph)CC(Ph)]. Organometallics, 1998, 17, 2936-2938.	1.1	51
130	Room temperature blue phosphorescence: a combined experimental and theoretical study on the bis-tridentate Ir(<scp>iii</scp>) metal complexes. Dalton Transactions, 2016, 45, 15364-15373.	1.6	51
131	Performance Characterization of Dye-Sensitized Photovoltaics under Indoor Lighting. Journal of Physical Chemistry Letters, 2017, 8, 1824-1830.	2.1	51
132	Donorâ€“acceptor organic sensitizers assembled with isoxazole or its derivative 3-oxopropanenitrile. Tetrahedron, 2010, 66, 4223-4229.	1.0	50
133	Highly Efficient Red-Electrophosphorescent Devices Based on Polyfluorene Copolymers Containing Charge-Transporting Pendant Units. Journal of Physical Chemistry B, 2005, 109, 14000-14005.	1.2	49
134	Mono- versus Dinuclear Pt(II) 6-(5-Trifluoromethyl-Pyrazol-3-yl)-2,2â€²-Bipyridine Complexes: Synthesis, Characterization, and Remarkable Difference in Luminescent Properties. Inorganic Chemistry, 2010, 49, 1372-1383.	1.9	49
135	A carbazoleâ€“phenylbenzimidazole hybrid bipolar universal host for high efficiency RGB and white PhOLEDs with high chromatic stability. Journal of Materials Chemistry, 2011, 21, 19249.	6.7	49
136	Reversible alkyne ligand scission: formation and reactivity of Cp2W2Os(CO)5(.mu.-CTol)(.mu.3-CTol). Organometallics, 1985, 4, 1900-1901.	1.1	48
137	Neutral RuII-Based Emitting Materials:â€‰ A Prototypical Study on Factors Governing Radiationless Transition in Phosphorescent Metal Complexes. Inorganic Chemistry, 2006, 45, 8041-8051.	1.9	48
138	Probing Pb2+ cation via the iridium based phosphorescent dye. Polyhedron, 2007, 26, 4886-4892.	1.0	48
139	Phenylcarbazole-dipyridyl triazole hybrid as bipolar host material for phosphorescent OLEDs. Journal of Materials Chemistry, 2012, 22, 5410.	6.7	48
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