Mark E Thompson

List of Publications by Year
in descending order

293	44,450	2309 101	2239 207
papers	citations	h-index	g-index

299	299	299	30618
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nearly 100% internal phosphorescence efficiency in an organic light-emitting device. Journal of Applied Physics, 2001, 90, 5048-5051.	1.1	3,189
2	Highly Phosphorescent Bis-Cyclometalated Iridium Complexes:â€‰ Synthesis, Photophysical Characterization, and Use in Organic Light Emitting Diodes. Journal of the American Chemical Society, 2001, 123, 4304-4312.	6.6	2,639
3	Management of singlet and triplet excitons for efficient white organic light-emitting devices. Nature, 2006, 440, 908-912.	13.7	2,178
4	Synthesis and Characterization of Phosphorescent Cyclometalated Iridium Complexes. Inorganic Chemistry, 2001, 40, 1704-1711.	1.9	1,191
5	Synthesis and Characterization of Facial and Meridional Tris-cyclometalated Iridium(III) Complexes. Journal of the American Chemical Society, 2003, 125, 7377-7387.	6.6	1,191
6	Continuous, Highly Flexible, and Transparent Graphene Films by Chemical Vapor Deposition for Organic Photovoltaics. ACS Nano, 2010, 4, 2865-2873.	7.3	1,148
7	Synthesis and Characterization of Phosphorescent Cyclometalated Platinum Complexes. Inorganic Chemistry, 2002, 41, 3055-3066.	1.9	1,052
8	Endothermic energy transfer: A mechanism for generating very efficient high-energy phosphorescent emission in organic materials. Applied Physics Letters, 2001, 79, 2082-2084.	1.5	1,029
9	High-efficiency organic electrophosphorescent devices with tris(2-phenylpyridine)iridium doped into electron-transporting materials. Applied Physics Letters, 2000, 77, 904-906.	1.5	1,023
10	Introduction:Â Organic Electronics and Optoelectronics. Chemical Reviews, 2007, 107, 923-925.	23.0	708
11	Deep blue phosphorescent organic light-emitting diodes with very high brightness and efficiency. Nature Materials, 2016, 15, 92-98.	13.3	696
12	High-efficiency red electrophosphorescence devices. Applied Physics Letters, 2001, 78, 1622-1624.	1.5	682
13	Synthetic Control of Excited-State Properties in Cyclometalated Ir(III) Complexes Using Ancillary Ligands. Inorganic Chemistry, 2005, 44, 1713-1727.	1.9	663
14	Hydroxylated Quantum Dots as Luminescent Probes for in Situ Hybridization. Journal of the American Chemical Society, 2001, 123, 4103-4104.	6.6	659
15	Blue and Near-UV Phosphorescence from Iridium Complexes with Cyclometalated Pyrazolyl orN-Heterocyclic Carbene Ligands. Inorganic Chemistry, 2005, 44, 7992-8003.	1.9	629
16	Three-Color, Tunable, Organic Light-Emitting Devices. Science, 1997, 276, 2009-2011.	6.0	571
17	Cationic Bis-cyclometalated Iridium(III) Diimine Complexes and Their Use in Efficient Blue, Green, and Red Electroluminescent Devices. Inorganic Chemistry, 2005, 44, 8723-8732.	1.9	564
18	Temperature Dependence of Blue Phosphorescent Cyclometalated Ir(III) Complexes. Journal of the American Chemical Society, 2009, 131, 9813-9822.	6.6	558

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19	Molecular and Morphological Influences on the Open Circuit Voltages of Organic Photovoltaic Devices. Journal of the American Chemical Society, 2009, 131, 9281-9286.	6.6	491
20	High efficiency single dopant white electrophosphorescent light emitting diodesElectronic supplementary information (ESI) available: emission spectra as a function of doping concentration for 3 in CBP, as well as the absorption and emission spectra of Irppz, CBP and mCP. See http://www.rsc.org/suppdata/nj/b2/b204301g/. New Journal of Chemistry, 2002, 26, 1171-1178.	1.4	486
21	Ultrahigh Energy Gap Hosts in Deep Blue Organic Electrophosphorescent Devices. Chemistry of Materials, 2004, 16, 4743-4747.	3.2	473
22	Enhanced Open-Circuit Voltage in Subphthalocyanine/C60 Organic Photovoltaic Cells. Journal of the American Chemical Society, 2006, 128, 8108-8109.	6.6	454
23	Eliminating nonradiative decay in Cu(I) emitters: >99% quantum efficiency and microsecond lifetime. Science, 2019, 363, 601-606.	6.0	450
24	From Molecules to Materials: Current Trends and Future Directions. Advanced Materials, 1998, 10, 1297-1336.	11.1	429
25	Synthesis and structure of (cis)-[1-ferrocenyl-2-(4-nitrophenyl)ethylene], an organotransition metal compound with a large second-order optical nonlinearity. Nature, 1987, 330, 360-362.	13.7	413
26	Measurement of the lowest unoccupied molecular orbital energies of molecular organic semiconductors. Organic Electronics, 2009, 10, 515-520.	1.4	390
27	Complementary Detection of Prostate-Specific Antigen Using In2O3 Nanowires and Carbon Nanotubes. Journal of the American Chemical Society, 2005, 127, 12484-12485.	6.6	376
28	Phosphorescence versus Thermally Activated Delayed Fluorescence. Controlling Singletâ€"Triplet Splitting in Brightly Emitting and Sublimable Cu(I) Compounds. Journal of the American Chemical Society, 2014, 136, 16032-16038.	6.6	372
29	Asymmetric Triaryldiamines as Thermally Stable Hole Transporting Layers for Organic Light-Emitting Devices. Chemistry of Materials, 1998, 10, 2235-2250.	3.2	351
30	New charge-carrier blocking materials for high efficiency OLEDs. Organic Electronics, 2003, 4, 77-87.	1.4	335
31	Solution-Phase Synthesis of SnSe Nanocrystals for Use in Solar Cells. Journal of the American Chemical Society, 2010, 132, 4060-4061.	6.6	318
32	Synthetic Control of PtÂ·Â·Â·Pt Separation and Photophysics of Binuclear Platinum Complexes. Journal of the American Chemical Society, 2005, 127, 28-29.	6.6	304
33	Efficient, Saturated Red Organic Light Emitting Devices Based on Phosphorescent Platinum(II) Porphyrins. Chemistry of Materials, 1999, 11, 3709-3713.	3.2	303
34	Stable photoinduced charge separation in layered viologen compounds. Nature, 1992, 358, 656-658.	13.7	283
35	Platinum-Functionalized Random Copolymers for Use in Solution-Processible, Efficient, Near-White Organic Light-Emitting Diodes. Journal of the American Chemical Society, 2004, 126, 15388-15389.	6.6	277
36	Efficient Singlet Fission Discovered in a Disordered Acene Film. Journal of the American Chemical Society, 2012, 134, 6388-6400.	6.6	275

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37	Hole Transporting Materials with High Glass Transition Temperatures for Use in Organic Light-Emitting Devices. Advanced Materials, 1998, 10, 1108-1112.	11.1	262
38	Use of Layered Metal Phosphonates for the Design and Construction of Molecular Materials. Chemistry of Materials, 1994, 6, 1168-1175.	3.2	260
39	Solventâ€Annealed Crystalline Squaraine: PC₇₀BM (1:6) Solar Cells. Advanced Energy Materials, 2011, 1, 184-187.	10.2	254
40	High operational stability of electrophosphorescent devices. Applied Physics Letters, 2002, 81, 162-164.	1.5	251
41	Phosphorescence Quenching by Conjugated Polymers. Journal of the American Chemical Society, 2003, 125, 7796-7797.	6.6	251
42	1,8-Naphthalimides in Phosphorescent Organic LEDs:Â The Interplay between Dopant, Exciplex, and Host Emission. Journal of the American Chemical Society, 2002, 124, 9945-9954.	6.6	248
43	Singlet Fission in a Covalently Linked Cofacial Alkynyltetracene Dimer. Journal of the American Chemical Society, 2016, 138, 617-627.	6.6	248
44	Highly Efficient, Near-Infrared Electrophosphorescence from a Ptâ€“Metalloporphyrin Complex. Angewandte Chemie - International Edition, 2007, 46, 1109-1112.	7.2	246
45	A Codeposition Route to CuIâˆ’Pyridine Coordination Complexes for Organic Light-Emitting Diodes. Journal of the American Chemical Society, 2011, 133, 3700-3703.	6.6	244
46	Bis-cyclometalated Ir(III) Complexes as Efficient Singlet Oxygen Sensitizers. Journal of the American Chemical Society, 2002, 124, 14828-14829.	6.6	241
47	Colloidal Metal Deposition onto Functionalized Polystyrene Microspheres. Chemistry of Materials, 1999, 11, 2389-2399.	3.2	234
48	Selective Functionalization of In2O3Nanowire Mat Devices for Biosensing Applications. Journal of the American Chemical Society, 2005, 127, 6922-6923.	6.6	232
49	Dendrimer-Containing Light-Emitting Diodes:Â Toward Site-Isolation of Chromophores. Journal of the American Chemical Society, 2000, 122, 12385-12386.	6.6	224
50	Highly Efficient Photo- and Electroluminescence from Two-Coordinate Cu(I) Complexes Featuring Nonconventional N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2019, 141, 3576-3588.	6.6	223
51	High-performance polymer light-emitting diodes doped with a red phosphorescent iridium complex. Applied Physics Letters, 2002, 80, 2308-2310.	1.5	220
52	Understanding and predicting the orientation ofÂheteroleptic phosphors in organic light-emittingÂmaterials. Nature Materials, 2016, 15, 85-91.	13.3	217
53	Platinum Binuclear Complexes as Phosphorescent Dopants for Monochromatic and White Organic Light-Emitting Diodes. Advanced Functional Materials, 2006, 16, 2438-2446.	7.8	210
54	Excimer and electron transfer quenching studies of a cyclometalated platinum complex. Coordination Chemistry Reviews, 2005, 249, 1501-1510.	9.5	209

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55	Hot excited state management for long-lived blue phosphorescent organic light-emitting diodes. Nature Communications, 2017, 8, 15566.	5.8	209
56	A round robin study of flexible large-area roll-to-roll processed polymer solar cell modules. Solar Energy Materials and Solar Cells, 2009, 93, 1968-1977.	3.0	205
57	Label-Free, Electrical Detection of the SARS Virus N-Protein with Nanowire Biosensors Utilizing Antibody Mimics as Capture Probes. ACS Nano, 2009, 3, 1219-1224.	7.3	203
58	High-efficiency yellow double-doped organic light-emitting devices based on phosphor-sensitized fluorescence. Applied Physics Letters, 2001, 79, 1045-1047.	1.5	199
59	Simultaneous Light Emission from a Mixture of Dendrimer Encapsulated Chromophores:Â A Model for Single-Layer Multichromophoric Organic Light-Emitting Diodes. Journal of the American Chemical Society, 2003, 125, 13165-13172.	6.6	194
60	â€œQuick-Silverâ€•from a Systematic Study of Highly Luminescent, Two-Coordinate, d¹⁰ Coinage Metal Complexes. Journal of the American Chemical Society, 2019, 141, 8616-8626.	6.6	187
61	Improving the performance of conjugated polymer-based devices by control of interchain interactions and polymer film morphology. Applied Physics Letters, 2000, 76, 2454-2456.	1.5	181
62	Cyclometalated iridium and platinum complexes as singlet oxygen photosensitizers: quantum yields, quenching rates and correlation with electronic structures. Dalton Transactions, 2007, , 3763.	1.6	180
63	Cyclometalated Ir complexes in polymer organic light-emitting devices. Journal of Applied Physics, 2002, 92, 1570-1575.	1.1	174
64	Molecularly doped polymer light emitting diodes utilizing phosphorescent Pt(II) and Ir(III) dopants. Organic Electronics, 2001, 2, 53-62.	1.4	162
65	Emitter Orientation as a Key Parameter in Organic Light-Emitting Diodes. Physical Review Applied, 2017, 8, .	1.5	158
66	Synthesis and Applications of Palladium-Coated Poly(vinylpyridine) Nanospheres. Chemistry of Materials, 2000, 12, 1985-1989.	3.2	156
67	Solution-Processed Squaraine Bulk Heterojunction Photovoltaic Cells. ACS Nano, 2010, 4, 1927-1934.	7.3	156
68	Synthesis and characterization of phosphorescent three-coordinate Cu(i)â€“NHC complexes. Chemical Communications, 2010, 46, 6696.	2.2	152
69	Blue Light Emitting Ir(III) Compounds for OLEDs - New Insights into Ancillary Ligand Effects on the Emitting Triplet State. Journal of Physical Chemistry A, 2009, 113, 5927-5932.	1.1	150
70	Singlet and Triplet Excitation Management in a Bichromophoric Near-Infrared-Phosphorescent BODIPY-Benzoporphyrin Platinum Complex. Journal of the American Chemical Society, 2011, 133, 88-96.	6.6	147
71	Photophysical Properties of Cyclometalated Pt(II) Complexes: Counterintuitive Blue Shift in Emission with an Expanded Ligand Ï€ System. Inorganic Chemistry, 2013, 52, 12403-12415.	1.9	143
72	Synthesis and characterization of cyclometalated Ir(III) complexes with pyrazolyl ancillary ligands. Polyhedron, 2004, 23, 419-428.	1.0	142

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73	Efficient Dipyrrin-Centered Phosphorescence at Room Temperature from Bis-Cyclometalated Iridium(III) Dipyrrinato Complexes. Inorganic Chemistry, 2010, 49, 6077-6084.	1.9	142
74	Cu₄I₄ Clusters Supported by P^{âˆ§}N-type Ligands: New Structures with Tunable Emission Colors. Inorganic Chemistry, 2012, 51, 230-236.	1.9	140
75	Porphyrinâ€Tape/C₆₀ Organic Photodetectors with 6.5% External Quantum Efficiency in the Near Infrared. Advanced Materials, 2010, 22, 2780-2783.	11.1	137
76	Symmetry-breaking intramolecular charge transfer in the excited state of meso-linked BODIPY dyads. Chemical Communications, 2012, 48, 284-286.	2.2	137
77	Living Radical Polymerization of Bipolar Transport Materials for Highly Efficient Light Emitting Diodes. Chemistry of Materials, 2006, 18, 386-395.	3.2	135
78	Study of Ion-Paired Iridium Complexes (Soft Salts) and Their Application in Organic Light Emitting Diodes. Journal of the American Chemical Society, 2010, 132, 3133-3139.	6.6	135
79	Efficient, Ordered Bulk Heterojunction Nanocrystalline Solar Cells by Annealing of Ultrathin Squaraine Thin Films. Nano Letters, 2010, 10, 3555-3559.	4.5	132
80	Vibronic Structure in Room Temperature Photoluminescence of the Halide Perovskite Cs₃Bi₂Br₉. Inorganic Chemistry, 2017, 56, 42-45.	1.9	129
81	Linker-Dependent Singlet Fission in Tetracene Dimers. Journal of the American Chemical Society, 2018, 140, 10179-10190.	6.6	129
82	Efficient photoinduced charge separation in layered zirconium viologen phosphonate compounds. Journal of the American Chemical Society, 1993, 115, 11767-11774.	6.6	122
83	The molecular nature of photovoltage losses in organic solar cells. Chemical Communications, 2011, 47, 3702.	2.2	122
84	Control of emission colour with N-heterocyclic carbene (NHC) ligands in phosphorescent three-coordinate Cu(<scp>i</scp>) complexes. Chemical Communications, 2014, 50, 7176-7179.	2.2	122
85	The effects of copper phthalocyanine purity on organic solar cell performance. Organic Electronics, 2005, 6, 242-246.	1.4	121
86	New Thermally Cross-Linkable Polymer and Its Application as a Hole-Transporting Layer for Solution Processed Multilayer Organic Light Emitting Diodes. Chemistry of Materials, 2007, 19, 4827-4832.	3.2	121
87	Crystal Structure of a Porous Zirconium Phosphate/Phosphonate Compound and Photocatalytic Hydrogen Production from Related Materials. Chemistry of Materials, 1996, 8, 2239-2246.	3.2	119
88	Matrix Effects on the Triplet State of the OLED Emitter Ir(4,6-dFppy)₂(pic) (FIrpic): Investigations by High-Resolution Optical Spectroscopy. Inorganic Chemistry, 2009, 48, 1928-1937.	1.9	119
89	A Calibration Method for Nanowire Biosensors to Suppress Device-to-Device Variation. ACS Nano, 2009, 3, 3969-3976.	7.3	118
90	Cyclometalated iridium(iii)-sensitized titanium dioxide solar cells. Photochemical and Photobiological Sciences, 2006, 5, 871.	1.6	115

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91	Independent Control of Bulk and Interfacial Morphologies of Small Molecular Weight Organic Heterojunction Solar Cells. Nano Letters, 2012, 12, 4366-4371.	4.5	114
92	Thermally Stable Hole-Transporting Materials Based upon a Fluorene Core. Advanced Functional Materials, 2002, 12, 245.	7.8	113
93	Effect of carbazoleâ€“oxadiazole excited-state complexes on the efficiency of dye-doped light-emitting diodes. Journal of Applied Physics, 2002, 91, 6717.	1.1	113
94	N,N-Di<i>aryl</i>anilinosquaraines and Their Application to Organic Photovoltaics. Chemistry of Materials, 2011, 23, 4789-4798.	3.2	113
95	Structural and Photophysical Studies of Phosphorescent Three-Coordinate Copper(I) Complexes Supported by an N-Heterocyclic Carbene Ligand. Organometallics, 2012, 31, 7983-7993.	1.1	113
96	Separated Carbon Nanotube Macroelectronics for Active Matrix Organic Light-Emitting Diode Displays. Nano Letters, 2011, 11, 4852-4858.	4.5	110
97	Simple and High Efficiency Phosphorescence Organic Light-Emitting Diodes with Codeposited Copper(I) Emitter. Chemistry of Materials, 2014, 26, 2368-2373.	3.2	108
98	The Evolution of Organometallic Complexes in Organic Light-Emitting Devices. MRS Bulletin, 2007, 32, 694-701.	1.7	107
99	Data Storage Studies on Nanowire Transistors with Self-Assembled Porphyrin Molecules. Journal of Physical Chemistry B, 2004, 108, 9646-9649.	1.2	105
100	Symmetry-Breaking Charge Transfer of Visible Light Absorbing Systems: Zinc Dipyrrins. Journal of Physical Chemistry C, 2014, 118, 21834-21845.	1.5	103
101	Direct Production of Hydrogen Peroxide with Palladium Supported on Phosphate Viologen Phosphonate Catalysts. Journal of Catalysis, 2000, 196, 366-374.	3.1	102
102	Direct observation of structural changes in organic light emitting devices during degradation. Journal of Applied Physics, 2001, 90, 3242-3247.	1.1	102
103	Functionalized Squaraine Donors for Nanocrystalline Organic Photovoltaics. ACS Nano, 2012, 6, 972-978.	7.3	102
104	High efficiency organic photovoltaic cells based on a vapor deposited squaraine donor. Applied Physics Letters, 2009, 94, .	1.5	101
105	Fabrication of Nanostructures by Hydroxylamine Seeding of Gold Nanoparticle Templates. Langmuir, 2001, 17, 1713-1718.	1.6	98
106	A Paradigm for Blue- or Red-Shifted Absorption of Small Molecules Depending on the Site of Ï€-Extension. Journal of the American Chemical Society, 2010, 132, 16247-16255.	6.6	96
107	Smallâ€Molecule Photovoltaics Based on Functionalized Squaraine Donor Blends. Advanced Materials, 2012, 24, 1956-1960.	11.1	96
108	Electroluminescent properties of self-assembled polymer thin films. Advanced Materials, 1995, 7, 395-398.	11.1	94

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109	Reâ€evaluating the Role of Sterics and Electronic Coupling in Determining the Openâ€Circuit Voltage of Organic Solar Cells. Advanced Materials, 2013, 25, 6076-6082.	11.1	90
110	Improving Photocatalysis for the Reduction of CO₂ through Non-covalent Supramolecular Assembly. Journal of the American Chemical Society, 2019, 141, 14961-14965.	6.6	89
111	Triplet State Properties of the OLED Emitter Ir(btp)2(acac):Â Characterization by Site-Selective Spectroscopy and Application of High Magnetic Fields. Inorganic Chemistry, 2007, 46, 5076-5083.	1.9	88
112	High-Performance Single-Crystalline Arsenic-Doped Indium Oxide Nanowires for Transparent Thin-Film Transistors and Active Matrix Organic Light-Emitting Diode Displays. ACS Nano, 2009, 3, 3383-3390.	7.3	88
113	Highly efficient electrophosphorescent polymer light-emitting devices. Organic Electronics, 2000, 1, 15-20.	1.4	87
114	Photophysics of Pt-porphyrin electrophosphorescent devices emitting in the near infrared. Applied Physics Letters, 2007, 90, 213503.	1.5	87
115	Fused Pyreneâ€"Diporphyrins: Shifting Nearâ€Infrared Absorption to 1.5â€…Î¼m and Beyond. Angewandte Chemie - International Edition, 2010, 49, 5523-5526.	7.2	87
116	Photocurrent Generation in Multilayer Organicâˆ'Inorganic Thin Films with Cascade Energy Architectures. Journal of the American Chemical Society, 2002, 124, 4796-4803.	6.6	85
117	Arylamine-Based Squaraine Donors for Use in Organic Solar Cells. Nano Letters, 2011, 11, 4261-4264.	4.5	84
118	Electrophosphorescence in organic light emitting diodes. Current Opinion in Solid State and Materials Science, 1999, 4, 369-372.	5.6	82
119	Cascade Organic Solar Cells. Chemistry of Materials, 2011, 23, 4132-4140.	3.2	82
120	Symmetry-Breaking Charge Transfer in a Zinc Chlorodipyrrin Acceptor for High Open Circuit Voltage Organic Photovoltaics. Journal of the American Chemical Society, 2015, 137, 5397-5405.	6.6	82
121	Imaging and Manipulation of Gold Nanorods with an Atomic Force Microscope. Journal of Physical Chemistry B, 2002, 106, 231-234.	1.2	81
122	Near-Infrared Phosphorescent Polymeric Nanomicelles: Efficient Optical Probes for Tumor Imaging and Detection. ACS Applied Materials & Interfaces, 2009, 1, 1474-1481.	4.0	81
123	Statistical Copolymers with Side-Chain Hole and Electron Transport Groups for Single-Layer Electroluminescent Device Applications. Chemistry of Materials, 2000, 12, 2542-2549.	3.2	80
124	High-Efficiency BODIPY-Based Organic Photovoltaics. ACS Applied Materials & Interfaces, 2015, 7, 662-669.	4.0	79
125	A film bulk acoustic resonator in liquid environments. Journal of Micromechanics and Microengineering, 2005, 15, 1911-1916.	1.5	78
126	Importance of Controlling Nanotube Density for Highly Sensitive and Reliable Biosensors Functional in Physiological Conditions. ACS Nano, 2010, 4, 6914-6922.	7.3	78

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127	Rapid, Label-Free, Electrical Whole Blood Bioassay Based on Nanobiosensor Systems. ACS Nano, 2011, 5, 9883-9891.	7.3	74
128	Thermally assisted delayed fluorescence (TADF): fluorescence delayed is fluorescence denied. Materials Horizons, 2020, 7, 1210-1217.	6.4	73
129	Porphyrins Fused with Unactivated Polycyclic Aromatic Hydrocarbons. Journal of Organic Chemistry, 2012, 77, 143-159.	1.7	72
130	Phosphorescent 2-, 3- and 4-coordinate cyclic (alkyl)(amino)carbene (CAAC) Cu(<scp>i</scp>) complexes. Chemical Communications, 2017, 53, 9008-9011.	2.2	72
131	Enhancement of the Luminescent Efficiency in Carbene-Au^(I)-Aryl Complexes by the Restriction of Rennerâ€"Teller Distortion and Bond Rotation. Journal of the American Chemical Society, 2020, 142, 6158-6172.	6.6	72
132	Organic photovoltaics incorporating electron conducting exciton blocking layers. Applied Physics Letters, 2011, 98, 243307.	1.5	70
133	Highly Sensitive and Quick Detection of Acute Myocardial Infarction Biomarkers Using In₂O₃ Nanoribbon Biosensors Fabricated Using Shadow Masks. ACS Nano, 2016, 10, 10117-10125.	7.3	69
134	Growth and Characterization of Photoactive and Electroactive Zirconium Bisphosphonate Multilayer Films. Chemistry of Materials, 1996, 8, 1490-1499.	3.2	68
135	Prospects and applications for organic light-emitting devices. Current Opinion in Solid State and Materials Science, 1997, 2, 236-243.	5.6	68
136	Bipolar Copolymers as Host for Electroluminescent Devices:Â Effects of Molecular Structure on Film Morphology and Device Performance. Macromolecules, 2007, 40, 8156-8161.	2.2	68
137	Fused Porphyrinâ€"Single-Walled Carbon Nanotube Hybrids: Efficient Formation and Photophysical Characterization. ACS Nano, 2013, 7, 3466-3475.	7.3	67
138	Study of Energy Transfer and Triplet Exciton Diffusion in Holeâ€Transporting Host Materials. Advanced Functional Materials, 2009, 19, 3157-3164.	7.8	66
139	Synthesis and photochemical properties of porous zirconium viologen phosphonate compounds. Chemistry of Materials, 1994, 6, 77-81.	3.2	65
140	Synthesis of Germanium Nanoclusters with Irreversibly Attached Functional Groups:â€‰ Acetals, Alcohols, Esters, and Polymers. Chemistry of Materials, 2003, 15, 1682-1689.	3.2	61
141	Highly Scalable, Uniform, and Sensitive Biosensors Based on Top-Down Indium Oxide Nanoribbons and Electronic Enzyme-Linked Immunosorbent Assay. Nano Letters, 2015, 15, 1943-1951.	4.5	60
142	Photocurrent generation in metal bisphosphonate multilayer thin films. Nature, 1996, 380, 610-612.	13.7	59
143	Control of Interface Order by Inverse Quasi-Epitaxial Growth of Squaraine/Fullerene Thin Film Photovoltaics. ACS Nano, 2013, 7, 9268-9275.	7.3	59
144	Cyclometallated Iridium and Platinum Complexes with Noninnocent Ligands. Inorganic Chemistry, 2007, 46, 3865-3875.	1.9	57

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145	Singletâ€“triplet quenching in high intensity fluorescent organic light emitting diodes. Chemical Physics Letters, 2010, 495, 161-165.	1.2	57
146	A reversible thermoresponsive sealant for temporary closure of ocular trauma. Science Translational Medicine, 2017, 9, .	5.8	57
147	The enhancement of intercalation reactions by ultrasound. Journal of the Chemical Society Chemical Communications, 1987, , 900.	2.0	56
148	Synthesis of Octasubstituted Cyclooctatetraenes and Their Use as Electron Transporters in Organic Light Emitting Diodes. Journal of the American Chemical Society, 2000, 122, 7480-7486.	6.6	55
149	Structure of a Novel Layered Zirconium Diphosphonate Compound: Zr2(O3PCH2CH2-viologen-CH2CH2PO3)F6.cntdot.2H2O. Chemistry of Materials, 1994, 6, 1845-1849.	3.2	54
150	Dependence of Phosphorescent Emitter Orientation on Deposition Technique in Doped Organic Films. Chemistry of Materials, 2016, 28, 712-715.	3.2	54
151	Forming oriented organic crystals from amorphous thin films on patterned substrates via solvent-vapor annealing. Organic Electronics, 2005, 6, 211-220.	1.4	52
152	Phosphorescent Platinum Dyads with Cyclometalated Ligands: Synthesis, Characterization, and Photophysical Studies. Journal of Physical Chemistry C, 2008, 112, 8022-8031.	1.5	52
153	Anionic iridium complexes for solid state light-emitting electrochemical cells. Journal of Materials Chemistry, 2012, 22, 9556.	6.7	52
154	Synthesis and characterization of phosphorescent two-coordinate copper(<scp>i</scp>) complexes bearing diamidocarbene ligands. Dalton Transactions, 2017, 46, 745-752.	1.6	52
155	Symmetry-Breaking Charge Transfer in Boron Dipyridylmethene (DIPYR) Dimers. ACS Applied Energy Materials, 2018, 1, 1083-1095.	2.5	52
156	Organic Photovoltaics Using Tetraphenylbenzoporphyrin Complexes as Donor Layers. Advanced Materials, 2009, 21, 1517-1520.	11.1	51
157	Blue Emissive <i>fac</i>/<i>mer</i>â€Iridium (III) NHC Carbene Complexes and their Application in OLEDs. Advanced Optical Materials, 2021, 9, 2001994.	3.6	51
158	Ruthenium Catalyzed Synthesis of Cross-Conjugated Polymers and Related Hyperbranched Materials. Copoly(arylene/1,1-vinylene)s. Macromolecules, 1998, 31, 2784-2788.	2.2	50
159	Molecular Engineering of Heterogeneous Catalysts: An Efficient Catalyst for the Production of Hydrogen Peroxide. Journal of Catalysis, 1996, 161, 62-67.	3.1	49
160	Use of additives in porphyrin-tape/C60 near-infrared photodetectors. Organic Electronics, 2011, 12, 869-873.	1.4	49
161	Elucidating the interplay between dark current coupling and open circuit voltage in organic photovoltaics. Applied Physics Letters, 2011, 98, .	1.5	49
162	Aqueous Colloidal Acene Nanoparticles: A New Platform for Studying Singlet Fission. Journal of Physical Chemistry B, 2013, 117, 15519-15526.	1.2	47

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163	Charge transport and exciton dissociation in organic solar cells consisting of dipolar donors mixed with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>70</mml:mn></mml:msub></mml:math>. Physical Review B, 2015, 92, .	1.1	47
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