Chin-Ti Chen

List of Publications by Citations

167 papers	8,423 citations	48 h-index	89 g-index
182 ext. papers	8,899 ext. citations	6.2 avg, IF	5.94 L-index

#	Paper	IF	Citations
167	Evolution of Red Organic Light-Emitting Diodes: Materials and Devices. *Chemistry of Materials*, **2004**, 16, 4389-4400	9.6	687
166	Organic Optical Limiter with a Strong Nonlinear Absorptive Response. *Science*, **1996**, 273, 1533-1536	33.3	635
165	New Dopant and Host Materials for Blue-Light-Emitting Phosphorescent Organic Electroluminescent Devices. *Advanced Materials*, **2005**, 17, 285-289	24	633
164	One-dimensional coordination polymers: Applications to material science. *Coordination Chemistry Reviews*, **1993**, 128, 293-322	23.2	465
163	Highly Efficient Carbazole-Dimesitylborane Bipolar Fluorophores for Nondoped Blue Organic Light-Emitting Diodes. *Advanced Materials*, **2008**, 20, 3947-3952	24	221
162	Red-Emitting Fluorenes as Efficient Emitting Hosts for Non-Doped, Organic Red-Light-Emitting Diodes. *Advanced Functional Materials*, **2005**, 15, 231-238	15.6	219
161	Enhancement of Aggregation-Induced Emission in Dye-Encapsulating Polymeric Micelles for Bioimaging. *Advanced Functional Materials*, **2010**, 20, 1413-1423	15.6	198
160	Red Organic Light-Emitting Diodes with a Non-doping Amorphous Red Emitter. *Advanced Materials*, **2002**, 14, 1072	24	184
159	Optimization of high-performance blue organic light-emitting diodes containing tetraphenylsilane molecular glass materials. *Journal of the American Chemical Society*, **2002**, 124, 6469-79	16.4	183
158	Novel carbazole/fluorene hybrids: host materials for blue phosphorescent OLEDs. *Organic Letters*, **2006**, 8, 2799-802	6.2	168
157	Push-pull porphyrins as nonlinear optical materials. *Journal of the American Chemical Society*, **1992**, 114, 6928-6930	16.4	165
156	Readily synthesised arylamino fumaronitrile for non-doped red organic light-emitting diodes. *Chemical Communications*, **2003**, 2632-3	5.8	160
155	The Quest for High-Performance Host Materials for Electrophosphorescent Blue Dopants. *Advanced Functional Materials*, **2007**, 17, 1887-1895	15.6	155
154	Bright and Efficient, Non-Doped, Phosphorescent Organic Red-Light-Emitting Diodes. *Advanced Functional Materials*, **2004**, 14, 1221-1226	15.6	154
153	Derivative of alpha,beta-dicyanostilbene: convenient precursor for the synthesis of diphenylmaleimide compounds, E-Z isomerization, crystal structure, and solid-state fluorescence. *Journal of Organic Chemistry*, **2004**, 69, 6455-62	4.2	141
152	Hydroxynaphthyridine-derived group III metal chelates: wide band gap and deep blue analogues of green Alq3 (tris(8-hydroxyquinolate)aluminum) and their versatile applications for organic light-emitting diodes. *Journal of the American Chemical Society*, **2009**, 131, 763-77	16.4	135
151	Blue Light-Emitting Devices Based on Molecular Glass Materials of Tetraphenylsilane Compounds. *Advanced Materials*, **2001**, 13, 1637-1641	24	116

150	Ortho-substituent effect on fluorescence and electroluminescence of arylamino-substituted coumarin and stilbene. *Organic Letters*, **2003**, 5, 1261-4	6.2	112
149	High-efficiency blue organic light-emitting diodes using a 3,5-di(9H-carbazol-9-yl)tetraphenylsilane host via a solution-process. *Journal of Materials Chemistry*, **2010**, 20, 8411		109
148	Rational Color Tuning and Luminescent Properties of Functionalized Boron-Containing 2-Pyridyl Pyrrolide Complexes. *Advanced Functional Materials*, **2005**, 15, 567-574	15.6	109
147	Solid-state highly fluorescent diphenylaminospirobifluorenylfumaronitrile red emitters for non-doped organic light-emitting diodes. *Chemical Communications*, **2008**, 217-9	5.8	108
146	Influence of Molecular Dipoles on the Photoluminescence and Electroluminescence of Dipolar Spirobifluorenes. *Advanced Functional Materials*, **2008**, 18, 248-257	15.6	107
145	Non-doped red organic light-emitting diodes. *Journal of Materials Chemistry*, **2004**, 14, 1293		102
144	Langmuir-Blodgett Films of Amphiphilic Push-Pull Porphyrins. *The Journal of Physical Chemistry*, **1994**, 98, 383-385		99
143	A solution-processed n-doped fullerene cathode interfacial layer for efficient and stable large-area perovskite solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 640-648	13	95
142	Syntheses and Linear and Nonlinear Optical Properties of Unsymmetrical Squaraines with Extended Conjugation. *Journal of the American Chemical Society*, **1994**, 116, 3117-3118	16.4	89
141	Synthesis, Properties, and Applications of Tetraphenylmethane-Based Molecular Materials for Light-Emitting Devices. *Chemistry of Materials*, **2001**, 13, 2788-2796	9.6	83
140	Spectroscopic and electrical characteristics of highly efficient tetraphenylsilane-carbazole organic compound as host material for blue organic light emitting diodes. *Organic Electronics*, **2009**, 10, 1372-1377	3.5	82
139	Comparison of thiophene- and selenophene-bridged donor–acceptor low band-gap copolymers used in bulk-heterojunction organic photovoltaics. *Journal of Materials Chemistry*, **2012**, 22, 21549		74
138	The colourful fluorescence from readily-synthesised 3,4-diaryl-substituted maleimide fluorophores. *Chemical Communications*, **2003**, 404-5	5.8	67
137	The linear and non-linear optical properties of some conjugated ferrocene compounds with potent heterocyclic acceptors. *Inorganica Chimica Acta*, **1996**, 242, 43-49	2.7	67
136	Achieving high-efficiency non-doped blue organic light-emitting diodes: charge-balance control of bipolar blue fluorescent materials with reduced hole-mobility. *Journal of Materials Chemistry*, **2009**, 19, 5561		65
135	Solution-Processable, High-Molecule-Based Trifluoromethyl-Iridium Complex for Extraordinarily High Efficiency Blue-Green Organic Light-Emitting Diode. *Chemistry of Materials*, **2009**, 21, 2565-2567	9.6	65
134	[Ni(R2pipdt)2](BF4)2 (R2pipdt = 1,4-disubstituted-piperazine-3,2-dithione) as useful precursors of mixed-ligand dithiolenes of interest for non-linear optics. *Chemical Communications*, **2001**, 2246-7	5.8	60
133	Establishment of the bond patterns of o-benzoquinonediimine and semi-o-benzoquinonediimine: Crystal structures of metal complexes, [FeII(bqdi)3](PF6)2, [CoII(s-bqdi)2] and [CoIIICl(s-bqdi)2)]. *Inorganica Chimica Acta*, **1985**, 101, L31-L33	2.7	60

132	Improved synthesis of 2,2Pdibromo-9,9Pspirobifluorene and its 2,2Pbisdonor-7,7Pbisacceptor-substituted fluorescent derivatives. *Organic Letters*, **2005**, 7, 3717-20	6.2	59
131	Simple mono-halogenated perylene diimides as non-fullerene electron transporting materials in inverted perovskite solar cells with ZnO nanoparticle cathode buffer layers. *Journal of Materials Chemistry A*, **2017**, 5, 12811-12821	13	58
130	Synthesis, characterization, and photophysical properties of Os(II) diimine complexes [Os(N(wedge)N)(CO)(2)I(2)] (N(wedge)N = bipyridine, phenanthroline, and pyridyl benzoxazole). *Inorganic Chemistry*, **2005**, 44, 4287-94	5.1	58
129	Structural Effects on Molecular Dipoles and Solvatochromism of Nickel(diimine)(dithiolate) Complexes. *Inorganic Chemistry*, **1999**, 38, 2734-2741	5.1	58
128	Emitting layer thickness dependence of color stability in phosphorescent organic light-emitting devices. *Organic Electronics*, **2010**, 11, 1500-1506	3.5	57
127	Highly efficient red electrophosphorescent device incorporating a bipolar triphenylamine/bisphenylsulfonyl-substituted fluorene hybrid as the host. *Journal of Materials Chemistry*, **2009**, 19, 8002		55
126	Large optical nonlinearities with conjugated ferrocene and ruthenocene derivatives. *Synthetic Metals*, **1996**, 81, 133-136	3.6	53
125	High efficiency non-dopant blue organic light-emitting diodes based on anthracene-based fluorophores with molecular design of charge transport and red-shifted emission proof. *Journal of Materials Chemistry C*, **2014**, 2, 7188-7200	7.1	52
124	Charge carrier mobility of mixed-layer organic light-emitting diodes. *Applied Physics Letters*, **2007**, 91, 142106	3.4	52
123	Synthesis and Characterization of 3,4-Diphenylmaleimide Copolymers That Exhibit Orange to Red Photoluminescence and Electroluminescence. *Macromolecules*, **2006**, 39, 3262-3269	5.5	52
122	Thermally stable crosslinked NLO materials based on maleimides. *Polymer*, **2003**, 44, 143-155	3.9	51
121	Nano-structured CuO-Cu2O Complex Thin Film for Application in CH3NH3PbI3 Perovskite Solar Cells. *Nanoscale Research Letters*, **2016**, 11, 402	5	50
120	Synthesis and Characterization of a New Series of Blue Fluorescent 2,6-Linked 9,10-Diphenylanthrylenephenylene Copolymers and Their Application for Polymer Light-Emitting Diodes. *Macromolecules*, **2010**, 43, 3613-3623	5.5	49
119	Room-Temperature Solution-Processed n-Doped Zirconium Oxide Cathode Buffer Layer for Efficient and Stable Organic and Hybrid Perovskite Solar Cells. *Chemistry of Materials*, **2016**, 28, 242-251	9.6	45
118	In situ Electrical Characterization of the Thickness Dependence of Organic Field-Effect Transistors with 1□0 Molecular Monolayer of Pentacene. *ACS Applied Materials & Interfaces*, **2010**, 2, 2282-2288	9.5	45
117	Syntheses, Charge Distribution, and Molecular Second-Order Nonlinear Optical Properties of PushPull Bisdithiolene Nickel Complexes. *Advanced Materials*, **1998**, 10, 334-338	24	45
116	Improving the efficiency of CH3NH3PbI3 based photovoltaics by tuning the work function of the PEDOT:PSS hole transport layer. *Solar Energy*, **2015**, 122, 892-899	6.8	36
115	Open-circuit voltage and efficiency improvement of subphthalocyanine-based organic photovoltaic device through deposition rate control. *Solar Energy Materials and Solar Cells*, **2012**, 103, 69-75	6.4	36

114	New carbazole-substituted anthracene derivatives based non-doped blue light-emitting devices with high brightness and efficiency. *Dyes and Pigments*, **2013**, 99, 577-587	4.6	36
113	Photoluminescence characteristics of blue phosphorescent Ir3+-compounds FIrpic and FIrN4 doped in mCP and SimCP. *Optical Materials*, **2008**, 31, 366-371	3.3	35
112	Theoretical investigation of stokes shift of 3,4-diaryl-substituted maleimide fluorophores. *Journal of Luminescence*, **2005**, 113, 321-328	3.8	35
111	Olefin-Mediated Interaction Observed for Nickel Tetraphenylporphyrins with an Acceptor Substituted on the Carbon. *Organic Letters*, **1999**, 1, 1767-1770	6.2	35
110	Molecular first hyperpolarizabilities of a new class of asymmetric squaraine dyes. *Journal of the Chemical Society Chemical Communications*, **1994**, 259		35
109	High performance hybrid white and multi-colour electroluminescence from a new host material for a heteroleptic naphthyridinolate platinum complex dopant. *Journal of Materials Chemistry C*, **2014**, 2, 1376-1380	7.1	34
108	4-Hydroxy-8-methyl-1,5-naphthyridine aluminium chelate: a morphologically stable and efficient exciton-blocking material for organic photovoltaics with prolonged lifetime. *Journal of Materials Chemistry*, **2010**, 20, 7800		34
107	Electronic Structure and Linear and Nonlinear Optical Properties of Symmetrical and Unsymmetrical Squaraine Dyes. *Chemistry - A European Journal*, **1997**, 3, 530-537	4.8	33
106	Diindeno[1,2-g:1?,2?-s]rubicene: all-carbon non-fullerene electron acceptor for efficient bulk-heterojunction organic solar cells with high open-circuit voltage. *RSC Advances*, **2015**, 5, 3381-3385	3.7	32
105	Improving the efficiency of inverted mixed-organic-cation perovskite absorber based photovoltaics by tailing the surface roughness of PEDOT: PSS thin film. *Solar Energy*, **2016**, 134, 445-451	6.8	31
104	High colour rendering index and colour stable hybrid white efficient OLEDs with a double emitting layer structure using a single phosphorescence dopant of heteroleptic platinum complexes. *Journal of Materials Chemistry C*, **2014**, 2, 10343-10356	7.1	31
103	Synthesis and electroluminescent properties of polyfluorene-based conjugated polymers containing bipolar groups. *Journal of Polymer Science Part A*, **2009**, 47, 6231-6245	2.5	31
102	The first aggregation-induced emission fluorophore as a solution processed host material in hybrid white organic light-emitting diodes. *Journal of Materials Chemistry C*, **2016**, 4, 7020-7025	7.1	31
101	Chloroboron subphthalocyanine/C60 planar heterojunction organic solar cell with N,N-dicarbazolyl-3,5-benzene blocking layer. *Solar Energy Materials and Solar Cells*, **2014**, 122, 264-270	6.4	30
100	All non-dopant redgreenblue composing white organic light-emitting diodes. *Organic Electronics*, **2006**, 7, 137-143	3.5	29
99	Thickness effects of thermally evaporated C60 thin films on regular-type CH3NH3PbI3 based solar cells. *Solar Energy Materials and Solar Cells*, **2017**, 164, 13-18	6.4	27
98	Solution-processed bipolar small molecular host materials for single-layer blue phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2014**, 2, 382-391	7.1	26
97	Iridium(I) pyridyl azolate complexes with saturated red metal-to-ligand charge transfer phosphorescence; fundamental and potential applications in organic light-emitting diodes. *Chemistry - A European Journal*, **2007**, 13, 2686-94	4.8	25

96	Simple Molecular-Engineering Approach for Enhancing Orientation and Outcoupling Efficiency of Thermally Activated Delayed Fluorescent Emitters without Red-Shifting Emission. *ACS Applied Materials & Interfaces*, **2018**, 10, 43842-43849	9.5	24
95	Isoindigo-dicyanobithiophene-Based Copolymer for High Performance Polymer–Fullerene Solar Cells Reaching 1.06 V Open Circuit Voltage and 8.36% Power Conversion Efficiency. *ACS Macro Letters*, **2017**, 6, 969-974	6.6	23
94	Manipulating the molecular structure of PEDOT chains through controlling the viscosity of PEDOT:PSS solutions to improve the photovoltaic performance of CH3NH3PbI3 solar cells. *Solar Energy Materials and Solar Cells*, **2017**, 161, 7-13	6.4	22
93	Synthesis and electroluminescence properties of a novel tetraphenylsilane–oxadiazole–diphenyl(para-tolyl)amine polymer. *Polymer*, **2006**, 47, 7001-7012	3.9	22
92	Stabilization of poly(3-hexylthiophene)/PCBM morphology by hydroxyl group end-functionalized P3HT and its application to polymer solar cells. *Organic Electronics*, **2012**, 13, 283-289	3.5	21
91	High-efficiency small-molecule-based organic light emitting devices with solution processes and oxadiazole-based electron transport materials. *ACS Applied Materials & Interfaces*, **2013**, 5, 10614-22	9.5	21
90	Electrochemistry and Electrogenerated Chemiluminescence of a Novel Donor–Acceptor FPhSPFN Red Fluorophore. *Journal of Physical Chemistry C*, **2010**, 114, 9772-9780	3.8	21
89	Energy transfer between organic fluorescent CBP host and blue phosphorescent FIrpic and FIrN4 guests. *Optical Materials*, **2007**, 29, 1299-1304	3.3	21
88	Oxasmaragdyrins as New and Efficient Hole-Transporting Materials for High-Performance Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 31950-31958	9.5	20
87	Rare solvent annealing effective benzo(1,2-b:4,5-b′)dithiophene-based low band-gap polymer for bulk heterojunction organic photovoltaics. *Chemical Communications*, **2012**, 48, 1012-4	5.8	20
86	Enhancing performance of planar molecule-based organic light-emitting diodes through deposition-rate optimization: Role of molecular packing. *Chemical Physics Letters*, **2009**, 474, 207-211	2.5	20
85	New platinum complexes exhibiting host dependent photoluminescence as single dopants in double emitting layer, voltage independent hybrid white electroluminescence devices. *Journal of Materials Chemistry C*, **2015**, 3, 11163-11177	7.1	19
84	Synthesis and characterization of heteroatom-bridged bis-spirobifluorenes for the application of organic light-emitting diodes. *Organic Letters*, **2014**, 16, 2114-7	6.2	18
83	Efficient Hybrid White Organic Light-Emitting Devices with a Reduced Efficiency Roll-off Based on a Blue Fluorescent Emitter of Which Charge Carriers Are Ambipolar and Electric-Field Independent. *Journal of Physical Chemistry C*, **2011**, 115, 2428-2432	3.8	18
82	Functional graded fullerene derivatives for improving the fill factor and device stability of inverted-type perovskite solar cells. *Nanotechnology*, **2018**, 29, 305701	3.4	17
81	High face-on ratio isoindigo copolymers with extended nano-fibrillar networks in fullerene-based thick (>300 nm) photovoltaics achieving a high efficiency of 10.7%. *Journal of Materials Chemistry A*, **2019**, 7, 21309-21320	13	16
80	Self-assembled monolayer modification of silver source–drain electrodes for high-performance pentacene organic field-effect transistors. *Organic Electronics*, **2012**, 13, 593-598	3.5	16
79	Synthesis and linear optical spectroscopy of thioflavylium near-infrared absorbing dyes. *Advanced Materials*, **1995**, 7, 1030-1033	24	16

78	Unified assay of adverse effects from the varied nanoparticle hybrid in polymer fullerene organic photovoltaics. *Solar Energy Materials and Solar Cells*, **2013**, 116, 153-170	6.4	15
77	General application of blade coating to small-molecule hosts for organic light-emitting diode. *Synthetic Metals*, **2014**, 196, 99-109	3.6	13
76	A Study of Diphenylfumaronitrile and Furan-Substituted Diketopyrrolopyrrole Alternating Copolymer and Its Thin-Film Transistors. *Macromolecular Chemistry and Physics*, **2014**, 215, 725-732	2.6	13
75	Comparison of short and long wavelength absorption electron donor materials in C60-based planar heterojunction organic photovoltaics. *Organic Electronics*, **2012**, 13, 2118-2129	3.5	13
74	Single-Layer Blue Electrophosphorescent Organic Light-Emitting Diodes Based on Small-Molecule Mixed Hosts: Comparison between the Solution and Vacuum Fabrication Processes. *Japanese Journal of Applied Physics*, **2013**, 52, 012101	1.4	12
73	Synthesis and Characterization of Push-Pull Porphyrins. *Journal of the Chinese Chemical Society*, **1997**, 44, 23-31	1.5	12
72	Conformation and conjugation of olefin-bridged acceptor on the pyrrole carbon of nickel tetraphenylporphyrins: implicit evidence from linear and nonlinear optical properties. *Journal of Porphyrins and Phthalocyanines*, **2007**, 11, 857-873	1.8	12
71	Structure-Property Relationship Study of Donor and Acceptor 2,6-Disubstituted BODIPY Derivatives for High Performance Dye-Sensitized Solar Cells. *Chemistry - A European Journal*, **2017**, 23, 14747-14759	4.8	11
70	Solvent-assisted crystallization via a delayed-annealing approach for highly efficient hybrid mesoscopic/planar perovskite solar cells. *Solar Energy Materials and Solar Cells*, **2017**, 172, 270-276	6.4	11
69	Achieving saturated red photoluminescence and electroluminescence with readily synthesized maleimide-arylamine copolymers. *Tetrahedron*, **2006**, 62, 9541-9547	2.4	11
68	Stable second-order NLO semi-IPN system based on bipyridine-containing polyimide and alkoxysilane dye. *Polymers for Advanced Technologies*, **2005**, 16, 515-523	3.2	11
67	Facile Solution Dropping Method: A Green Process for Dyeing TiO2 Electrodes of Dye-Sensitized Solar Cells with Enhanced Power Conversion Efficiency. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 71-81	8.3	10
66	Rapid template-free synthesis of nanostructured conducting polymer films by tuning their morphology using hyperbranched polymer additives. *Nanoscale*, **2019**, 11, 20977-20986	7.7	10
65	Detecting Minute Chemical Vapors via Chemical Interactions between Analyte and Fluorinated Thiophene Isoindigo Conjugated Polymer Transistor. *ACS Applied Electronic Materials*, **2019**, 1, 1873-1880	4	9
64	A wet and dry processable phosphorescent green dye based organic light-emitting diodes. *Dyes and Pigments*, **2015**, 113, 341-350	4.6	9
63	High-Efficiency Nondoped Blue Organic Light-Emitting Devices with Reduced Efficiency Roll-Off. *Journal of Physical Chemistry C*, **2010**, 114, 4186-4189	3.8	9
62	Efficient and bright blue-emitting phosphorescent materials. *Journal of the Society for Information Display*, **2005**, 13, 857-862	2.1	9
61	3,4-Diphenylmaleimide-thiophene-fluorene copolymers for polymeric orange red light-emitting diodes. *Organic Electronics*, **2006**, 7, 55-59	3.5	9

60	A new anodic buffer layer material for non-mixed planar heterojunction chloroboron subphthalocyanine organic photovoltaic achieving 96% internal quantum efficiency. *Solar Energy Materials and Solar Cells*, **2015**, 137, 138-145	6.4	8
59	Enhancing the glass-transition temperature of polyimide copolymers containing 2,2?-bipyridine units by the coordination of nickel malenonitriledithiolate. *Journal of Polymer Science Part A*, **2000**, 38, 498-503	2.5	8
58	Dendrons with urea/malonamide linkages for gate insulators of n-channel organic thin film transistors. *Reactive and Functional Polymers*, **2016**, 108, 86-93	4.6	7
57	Enhancement in open circuit voltage of organic photovoltaic devices through control of deposition rate of donor material. *Solar Energy Materials and Solar Cells*, **2013**, 109, 280-287	6.4	7
56	Comparison of light out-coupling enhancements in single-layer blue-phosphorescent organic light emitting diodes using small-molecule or polymer hosts. *Journal of Applied Physics*, **2013**, 114, 173106	2.5	7
55	In situ vacuum measurement of the thickness dependence of electron mobility in naphthalenetetracarboxylic diimide-based field-effect transistors. *Applied Physics Letters*, **2011**, 98, 023306	3.4	7
54	High Open-Circuit Voltage Planar Heterojunction Organic Photovoltaics Exhibiting Red Electroluminescence. *Journal of the Electrochemical Society*, **2011**, 159, H191-H194	3.9	7
53	Improve efficiency of white organic light-emitting diodes by using nanosphere arrays in color conversion layers. *Optics Express*, **2012**, 20, 3005-14	3.3	7
52	Visibly transparent conjugated polymers based on non-alternant cyclopenta-fused emeraldicene for polymer solar cells. *Organic Electronics*, **2017**, 49, 114-122	3.5	6
51	Polymer side-chain substituents elucidate thermochromism of benzodithiophene□dithiophenylacrylonitrile copolymers □polymer solubility correlation of thermochromism and photovoltaic performance. *Polymer Chemistry*, **2017**, 8, 3689-3701	4.9	6
50	Bipolar 9-linked carbazole-□dimesitylborane fluorophores for nondoped blue OLEDs and red phosphorescent OLEDs. *Dyes and Pigments*, **2018**, 157, 101-108	4.6	6
49	Solution processable mixed-solvent exfoliated MoS2 nanosheets for efficient and robust organic light-emitting diodes. *AIP Advances*, **2018**, 8, 045006	1.5	6
48	Emitting layer design of a white organic light-emitting device. *Current Applied Physics*, **2011**, 11, S183-S185	2.6	6
47	Tandem Organic Light-Emitting Diode and Organic Photovoltaic Device Inside Polymer Dispersed Liquid Crystal Cell. *Journal of Display Technology*, **2013**, 9, 787-793		5
46	Synthesis and Characterization of Donor-Acceptor-Substituted Fluorene Fluorophores for Non-Doped Red Organic Light Emitting Diodes. *Journal of the Chinese Chemical Society*, **2006**, 53, 1325-1334	1.5	5
45	Molecular Nonlinear Optical Properties of Acceptors Substituted 2,2?-Bipyridine and 1,10-Phenathroline Complexes of Nickel Dithiolate. *Journal of the Chinese Chemical Society*, **2000**, 47, 197-201	1.5	5
44	Thermal Stability of Robust Unsymmetrical Copperporphyrins with Multiple Diphenylamino and Nitro Substituents. *Journal of the Chinese Chemical Society*, **1998**, 45, 741-748	1.5	5
43	Syntheses and crystal structures of diiminosuccinonitrile and its iron(II) complex. *Transition Metal Chemistry*, **1989**, 14, 76-78	2.1	5

42	Achieving pure yellow, high-efficiency (EQE > 20%) electroluminescence from ultrathin emitting layer (0.6–1.0 nm) OLEDs having a rare aggregation-free heteroleptic platinum complex. *Journal of Materials Chemistry C*, **2021**, 9, 1410-1418	7.1	5
41	Photoluminescence and electroluminescence characterization of high-performance near-infrared emitters based on 1,5-naphthyridin-4-ol-containing heteroleptic platinum(II) complexes. *Materials Advances*, **2021**, 2, 3589-3599	3.3	5
40	Oligothiophenes and alkyl side-chain arrangement the structure-property study of their diketopyrrolopyrrole copolymers for organic photovoltaics. *Organic Electronics*, **2018**, 61, 185-196	3.5	4
39	Synthesis, photoluminescence, and electroluminescence characterization of double tetraphenylethene-tethered BODIPY luminogens. *Journal of the Chinese Chemical Society*, **2019**, 66, 1199-1210	1.5	4
38	Introduction to Organic Light-Emitting Diode (OLED) **2015**, 1-49		4
37	A new model for optimization of organic light-emitting device by concurrent incorporation of electrical and optical simulations. *Journal of Applied Physics*, **2012**, 112, 084507	2.5	4
36	Stamped Self-Assembled Monolayers on Electrode for Connecting Organic Light-Emitting Diode and Organic Photovoltaic Device. *Journal of Display Technology*, **2011**, 7, 229-234		4
35	meso-(3,5-Di-tert-butylphenyl)-2,2′-dipyrromethane. *Acta Crystallographica Section C: Crystal Structure Communications*, **1996**, 52, 3114-3116		4
34	Increasing the Fluorine Substituent of Thieno[3,4-c]pyrrole-4,6-dione Terthiophene Copolymers Progressively Narrows the Nanofibrils and Enhances the Efficiency of Fullerene-Based Polymer Photovoltaics. *Macromolecules*, **2020**, 53, 7073-7083	5.5	4
33	High Efficiency Organic Photovoltaics with a Thick (300 nm) Bulk Heterojunction Comprising a Ternary Composition of a PFT Polymer, PC71BM Fullerene, and T4F Nonfullerene Acceptor. *ACS Applied Energy Materials*, **2021**, 4, 5274-5285	6.1	4
32	A star-shaped conjugated molecule featuring a triazole core and diketopyrrolopyrrole branches is an efficient electron-selective interlayer for inverted polymer solar cells.. *RSC Advances*, **2018**, 8, 31478-31489	3.7	4
31	Deep Blue Fluorescent Material with an Extremely High Ratio of Horizontal Orientation to Enhance Light Outcoupling Efficiency (44%) and External Quantum Efficiency in Doped and Non-Doped Organic Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2021**, 13, 34605-34615	9.5	4
30	Solution-processed Small Molecular Materials: Bulk Heterojunction Organic Photovoltaic Materials, Host Materials for Phosphorescence Organic Light-emitting Diodes, and Nondopant Thermally Activated Delayed Fluorescence Materials. *Journal of the Chinese Chemical Society*, **2018**, 65, 87-106	1.5	3
29	Synthesis and Spectroscopic Characterization of Dual Absorption BODIPY Type Dyes and their Light Harvesting Application in Polymer-Based Bulk Hetrojunction Organic Photovoltaics. *Journal of the Chinese Chemical Society*, **2012**, 59, 305-316	1.5	3
28	Design of organic electroluminescent displays with ultraviolet-shielding filters. *Journal of Applied Polymer Science*, **2004**, 92, 1432-1436	2.9	3
27	Optimization of Tetraphenylsilane-Based Blue Organic Light-Emitting Devices with Copper Phthalocyanine. *Synthetic Metals*, **2003**, 137, 1035-1036	3.6	3
26	Structures and UV-Visible Absorption Properties of Unsymmetrical Bisdithiolene Nickel Complexes. *Journal of the Chinese Chemical Society*, **2002**, 49, 805-811	1.5	3
25	Pb[N(CN)2]2: A novel and effective additive provides visual verifications elucidating efficiency enhancement of CH3NH3PbI3 perovskite solar cells. *Organic Electronics*, **2021**, 88, 106009	3.5	3

24	New 3D-stereoconfigurated cis-tris(fluorenylphenylamino)-benzene with large steric hindrance to minimize π-stacking in thin-film devices. *Dyes and Pigments*, **2018**, 149, 377-386	4.6	3
23	Improved efficiency of organic light-emitting diodes with self-assembled molybdenum oxide hole injection layers. *Journal of Applied Physics*, **2017**, 121, 195501	2.5	2
22	Controlling the morphology of poly(3-hexylthiophene)/methanofullerene film through a dynamic-cooling and freeze-drying process. *Polymer International*, **2016**, 65, 66-71	3.3	2
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