

# Chin-Ti Chen

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3110358/chin-ti-chen-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A tale of two organic small molecular hole transporting materials: Showing same extended shelf-life but very different efficiency of inverted MAPbI <sub>3</sub> perovskite solar cells. <i>Organic Electronics</i> , <b>2022</b> , 102, 106428	3.5	0
166	High Efficiency Organic Photovoltaics with a Thick (300 nm) Bulk Heterojunction Comprising a Ternary Composition of a PFT Polymer/C71BM Fullerene/T4F Nonfullerene Acceptor. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 5274-5285	6.1	4
165	First Conventional Solution Sol-Gel-Prepared Nanoporous Materials of Nickel Oxide for Efficiency Enhancing and Stability Extending MAPbI <sub>3</sub> Inverted Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 6486-6499	6.1	1
164	Pb[N(CN) <sub>2</sub> ] <sub>2</sub> A novel and effective additive provides visual verifications elucidating efficiency enhancement of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells. <i>Organic Electronics</i> , <b>2021</b> , 88, 106009	3.5	3
163	Achieving pure yellow, high-efficiency (EQE > 20%) electroluminescence from ultrathin emitting layer (0.62.0 nm) OLEDs having a rare aggregation-free heteroleptic platinum complex. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 1410-1418	7.1	5
162	Photoluminescence and electroluminescence characterization of high-performance near-infrared emitters based on 1,5-naphthyridin-4-ol-containing heteroleptic platinum(II) complexes. <i>Materials Advances</i> , <b>2021</b> , 2, 3589-3599	3.3	5
161	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. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 34605-34615	9.5	4
160	Elucidating the Efficiency of Polymer Solar Cells Based on Dicyano-Substituted Vinylene/Thienothiophenylene/Vinylene/Benzodithiophenylene Copolymers: Isomers Outperform Isomers. <i>Macromolecules</i> , <b>2021</b> , 54, 7849-7861	5.5	0
159	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. <i>Macromolecules</i> , <b>2020</b> , 53, 7073-7083	5.5	4
158	Detecting Minute Chemical Vapors via Chemical Interactions between Analyte and Fluorinated Thiophene/Indigo Conjugated Polymer Transistor. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 1873-1880 <sup>4</sup>		9
157	33-4: Invited Paper: A Chemical Structure Approach Enhancing Light Outcoupling of Dopant OLEDs and Internal Quantum Efficiency of Non-Dopant OLEDs Having Bluish TADF Emitters. <i>Digest of Technical Papers SID International Symposium</i> , <b>2019</b> , 50, 470-473	0.5	
156	Anode interlayer in organic photovoltaics: Narrow bandgap small molecular materials as exciton-blocking layer. <i>Journal of the Chinese Chemical Society</i> , <b>2019</b> , 66, 1550-1560	1.5	1
155	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%. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 21309-21320	13	16
154	Synthesis, photoluminescence, and electroluminescence characterization of double tetraphenylethene-tethered BODIPY luminogens. <i>Journal of the Chinese Chemical Society</i> , <b>2019</b> , 66, 1199-1210 <sup>4</sup>	1.5	
153	Rapid template-free synthesis of nanostructured conducting polymer films by tuning their morphology using hyperbranched polymer additives. <i>Nanoscale</i> , <b>2019</b> , 11, 20977-20986	7.7	10
152	Functional graded fullerene derivatives for improving the fill factor and device stability of inverted-type perovskite solar cells. <i>Nanotechnology</i> , <b>2018</b> , 29, 305701	3.4	17
151	Bipolar 9-linked carbazole-dimesitylborane fluorophores for nondoped blue OLEDs and red phosphorescent OLEDs. <i>Dyes and Pigments</i> , <b>2018</b> , 157, 101-108	4.6	6

150	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. <i>Journal of the Chinese Chemical Society</i> , <b>2018</b> , 65, 87-106	1.5	3
149	Oligothiophenes and alkyl side-chain arrangement the structure-property study of their diketopyrrolopyrrole copolymers for organic photovoltaics. <i>Organic Electronics</i> , <b>2018</b> , 61, 185-196	3.5	4
148	Solution processable mixed-solvent exfoliated MoS <sub>2</sub> nanosheets for efficient and robust organic light-emitting diodes. <i>AIP Advances</i> , <b>2018</b> , 8, 045006	1.5	6
147	New 3D-stereoconfigured cis-tris(fluorenylphenylamino)-benzene with large steric hindrance to minimize $\pi$ -stacking in thin-film devices. <i>Dyes and Pigments</i> , <b>2018</b> , 149, 377-386	4.6	3
146	Simple Molecular-Engineering Approach for Enhancing Orientation and Outcoupling Efficiency of Thermally Activated Delayed Fluorescent Emitters without Red-Shifting Emission. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 43842-43849	9.5	24
145	A star-shaped conjugated molecule featuring a triazole core and diketopyrrolopyrrole branches is an efficient electron-selective interlayer for inverted polymer solar cells.. <i>RSC Advances</i> , <b>2018</b> , 8, 31478-31489	3.7	4
144	Unconventional anode interlayer universally improving solar cell efficiency. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 314002	3	1
143	Thickness effects of thermally evaporated C <sub>60</sub> thin films on regular-type CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> based solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 164, 13-18	6.4	27
142	Simple mono-halogenated perylene diimides as non-fullerene electron transporting materials in inverted perovskite solar cells with ZnO nanoparticle cathode buffer layers. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12811-12821	13	58
141	Improved efficiency of organic light-emitting diodes with self-assembled molybdenum oxide hole injection layers. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 195501	2.5	2
140	Visibly transparent conjugated polymers based on non-alternant cyclopenta-fused emeraldicene for polymer solar cells. <i>Organic Electronics</i> , <b>2017</b> , 49, 114-122	3.5	6
139	Polymer side-chain substituents elucidate thermochromism of benzodithiophene-dithiophenylacrylonitrile copolymers polymer solubility correlation of thermochromism and photovoltaic performance. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 3689-3701	4.9	6
138	Isoidigo-dicyanobithiophene-Based Copolymer for High Performance Polymer-Fullerene Solar Cells Reaching 1.06 V Open Circuit Voltage and 8.36% Power Conversion Efficiency. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 969-974	6.6	23
137	Oxasmaragdyrins as New and Efficient Hole-Transporting Materials for High-Performance Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 31950-31958	9.5	20
136	Structure-Property Relationship Study of Donor and Acceptor 2,6-Disubstituted BODIPY Derivatives for High Performance Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14747-14759	4.8	11
135	Solvent-assisted crystallization via a delayed-annealing approach for highly efficient hybrid mesoscopic/planar perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 172, 270-276	6.4	11
134	Manipulating the molecular structure of PEDOT chains through controlling the viscosity of PEDOT:PSS solutions to improve the photovoltaic performance of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 161, 7-13	6.4	22
133	Dendrons with urea/malonamide linkages for gate insulators of n-channel organic thin film transistors. <i>Reactive and Functional Polymers</i> , <b>2016</b> , 108, 86-93	4.6	7

132	Improving the efficiency of inverted mixed-organic-cation perovskite absorber based photovoltaics by tailing the surface roughness of PEDOT: PSS thin film. <i>Solar Energy</i> , <b>2016</b> , 134, 445-451	6.8	31
131	Room-Temperature Solution-Processed n-Doped Zirconium Oxide Cathode Buffer Layer for Efficient and Stable Organic and Hybrid Perovskite Solar Cells. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 242-251	9.6	45
130	Controlling the morphology of poly(3-hexylthiophene)/methanofullerene film through a dynamic-cooling and freeze-drying process. <i>Polymer International</i> , <b>2016</b> , 65, 66-71	3.3	2
129	A solution-processed n-doped fullerene cathode interfacial layer for efficient and stable large-area perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 640-648	13	95
128	The first aggregation-induced emission fluorophore as a solution processed host material in hybrid white organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 7020-7025	7.1	31
127	Nano-structured CuO-Cu <sub>2</sub> O Complex Thin Film for Application in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 402	5	50
126	A new anodic buffer layer material for non-mixed planar heterojunction chloroboron subphthalocyanine organic photovoltaic achieving 96% internal quantum efficiency. <i>Solar Energy Materials and Solar Cells</i> , <b>2015</b> , 137, 138-145	6.4	8
125	New platinum complexes exhibiting host dependent photoluminescence as single dopants in double emitting layer, voltage independent hybrid white electroluminescence devices. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 11163-11177	7.1	19
124	Improving the efficiency of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> based photovoltaics by tuning the work function of the PEDOT:PSS hole transport layer. <i>Solar Energy</i> , <b>2015</b> , 122, 892-899	6.8	36
123	Facile Solution Dropping Method: A Green Process for Dyeing TiO <sub>2</sub> Electrodes of Dye-Sensitized Solar Cells with Enhanced Power Conversion Efficiency. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 71-81	8.3	10
122	A wet and dry processable phosphorescent green dye based organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2015</b> , 113, 341-350	4.6	9
121	Introduction to Organic Light-Emitting Diode (OLED) <b>2015</b> , 1-49		4
120	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. <i>RSC Advances</i> , <b>2015</b> , 5, 3381-3385	3.7	32
119	Synthesis and characterization of heteroatom-bridged bis-spirobifluorenes for the application of organic light-emitting diodes. <i>Organic Letters</i> , <b>2014</b> , 16, 2114-7	6.2	18
118	High performance hybrid white and multi-colour electroluminescence from a new host material for a heteroleptic naphthyridinolate platinum complex dopant. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1376-1380	7.1	34
117	Solution-processed bipolar small molecular host materials for single-layer blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 382-391	7.1	26
116	Chloroboron subphthalocyanine/C <sub>60</sub> planar heterojunction organic solar cell with N,N-dicarbazolyl-3,5-benzene blocking layer. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 122, 264-270	6.4	30
115	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. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 10343-10356	7.1	31

114	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. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 7188-7200	7.1	52
113	General application of blade coating to small-molecule hosts for organic light-emitting diode. <i>Synthetic Metals</i> , <b>2014</b> , 196, 99-109	3.6	13
112	A Study of Diphenylfumaronitrile and Furan-Substituted Diketopyrrolopyrrole Alternating Copolymer and Its Thin-Film Transistors. <i>Macromolecular Chemistry and Physics</i> , <b>2014</b> , 215, 725-732	2.6	13
111	Improvement in Device Performance and Reliability of Organic Light-Emitting Diodes through Deposition Rate Control. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-7	2.1	
110	High-efficiency small-molecule-based organic light emitting devices with solution processes and oxadiazole-based electron transport materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 10614-22	9.5	21
109	Unified assay of adverse effects from the varied nanoparticle hybrid in polymer/fullerene organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , <b>2013</b> , 116, 153-170	6.4	15
108	Enhancement in open circuit voltage of organic photovoltaic devices through control of deposition rate of donor material. <i>Solar Energy Materials and Solar Cells</i> , <b>2013</b> , 109, 280-287	6.4	7
107	New carbazole-substituted anthracene derivatives based non-doped blue light-emitting devices with high brightness and efficiency. <i>Dyes and Pigments</i> , <b>2013</b> , 99, 577-587	4.6	36
106	Tandem Organic Light-Emitting Diode and Organic Photovoltaic Device Inside Polymer Dispersed Liquid Crystal Cell. <i>Journal of Display Technology</i> , <b>2013</b> , 9, 787-793		5
105	AIE or AIEE Materials for Electroluminescence Applications <b>2013</b> , 1-41		
104	Single-Layer Blue Electrophosphorescent Organic Light-Emitting Diodes Based on Small-Molecule Mixed Hosts: Comparison between the Solution and Vacuum Fabrication Processes. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 012101	1.4	12
103	Improvement in the Power Conversion Efficiency of Bulk Heterojunction Photovoltaic Device via Thermal Postannealing of Subphthalocyanine:C70 Active Layer. <i>International Journal of Photoenergy</i> , <b>2013</b> , 2013, 1-7	2.1	2
102	Comparison of light out-coupling enhancements in single-layer blue-phosphorescent organic light emitting diodes using small-molecule or polymer hosts. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 173106	2.5	7
101	Open-circuit voltage and efficiency improvement of subphthalocyanine-based organic photovoltaic device through deposition rate control. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 103, 69-75	6.4	36
100	Stabilization of poly(3-hexylthiophene)/PCBM morphology by hydroxyl group end-functionalized P3HT and its application to polymer solar cells. <i>Organic Electronics</i> , <b>2012</b> , 13, 283-289	3.5	21
99	Self-assembled monolayer modification of silver source/drain electrodes for high-performance pentacene organic field-effect transistors. <i>Organic Electronics</i> , <b>2012</b> , 13, 593-598	3.5	16
98	Rare solvent annealing effective benzo(1,2-b:4,5-b')dithiophene-based low band-gap polymer for bulk heterojunction organic photovoltaics. <i>Chemical Communications</i> , <b>2012</b> , 48, 1012-4	5.8	20
97	Comparison of short and long wavelength absorption electron donor materials in C60-based planar heterojunction organic photovoltaics. <i>Organic Electronics</i> , <b>2012</b> , 13, 2118-2129	3.5	13

96	P-117: High Efficient Color Conversion Layers for White Organic Light-Emitting Diodes using Polystyrene Nanosphere Monolayers. <i>Digest of Technical Papers SID International Symposium</i> , <b>2012</b> , 43, 1499-1502	0.5	1
95	Comparison of thiophene- and selenophene-bridged donor-acceptor low band-gap copolymers used in bulk-heterojunction organic photovoltaics. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 21549		74
94	A new model for optimization of organic light-emitting device by concurrent incorporation of electrical and optical simulations. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 084507	2.5	4
93	Synthesis and Spectroscopic Characterization of Dual Absorption BODIPY Type Dyes and their Light Harvesting Application in Polymer-Based Bulk Hetrojunction Organic Photovoltaics. <i>Journal of the Chinese Chemical Society</i> , <b>2012</b> , 59, 305-316	1.5	3
92	Improve efficiency of white organic light-emitting diodes by using nanosphere arrays in color conversion layers. <i>Optics Express</i> , <b>2012</b> , 20, 3005-14	3.3	7
91	Stamped Self-Assembled Monolayers on Electrode for Connecting Organic Light-Emitting Diode and Organic Photovoltaic Device. <i>Journal of Display Technology</i> , <b>2011</b> , 7, 229-234		4
90	P-178: Semi-transparent Tandem Device Comprising Organic Light-emitting Diodes and Organic Solar Cell. <i>Digest of Technical Papers SID International Symposium</i> , <b>2011</b> , 42, 1767-1769	0.5	2
89	P-180: Low-Reflectance Organic Light-emitting Diode Embedded with Organic Solar Cell. <i>Digest of Technical Papers SID International Symposium</i> , <b>2011</b> , 42, 1773-1775	0.5	
88	Emitting layer design of a white organic light-emitting device. <i>Current Applied Physics</i> , <b>2011</b> , 11, S183-S185		6
87	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. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 2428-2432	3.8	18
86	In situ vacuum measurement of the thickness dependence of electron mobility in naphthalenetetracarboxylic diimide-based field-effect transistors. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 023306	3.4	7
85	High Open-Circuit Voltage Planar Heterojunction Organic Photovoltaics Exhibiting Red Electroluminescence. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 159, H191-H194	3.9	7
84	39.1: Solution Processed Molecular Materials in the Fabrication of Flexible Phosphorescence-based OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , <b>2010</b> , 41, 548	0.5	
83	High-efficiency blue organic light-emitting diodes using a 3,5-di(9H-carbazol-9-yl)tetraphenylsilane host via a solution-process. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 8411		109
82	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. <i>Macromolecules</i> , <b>2010</b> , 43, 3613-3623	5.5	49
81	High-Efficiency Nondoped Blue Organic Light-Emitting Devices with Reduced Efficiency Roll-Off. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 4186-4189	3.8	9
80	In situ Electrical Characterization of the Thickness Dependence of Organic Field-Effect Transistors with 100 Molecular Monolayer of Pentacene. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 2282-2288	9.5	45
79	4-Hydroxy-8-methyl-1,5-naphthyridine aluminium chelate: a morphologically stable and efficient exciton-blocking material for organic photovoltaics with prolonged lifetime. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7800		34

78	Electrochemistry and Electrogenerated Chemiluminescence of a Novel Donor-Acceptor FPhSPFN Red Fluorophore. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 9772-9780	3.8	21
77	P-158: Connecting Architecture for Organic Light-emitting Diodes Integrated with Organic Photovoltaic Device. <i>Digest of Technical Papers SID International Symposium</i> , <b>2010</b> , 41, 1841	0.5	
76	Enhancement of Aggregation-Induced Emission in Dye-Encapsulating Polymeric Micelles for Bioimaging. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 1413-1423	15.6	198
75	Emitting layer thickness dependence of color stability in phosphorescent organic light-emitting devices. <i>Organic Electronics</i> , <b>2010</b> , 11, 1500-1506	3.5	57
74	Synthesis and electroluminescent properties of polyfluorene-based conjugated polymers containing bipolar groups. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 6231-6245	2.5	31
73	Spectroscopic and electrical characteristics of highly efficient tetraphenylsilane-carbazole organic compound as host material for blue organic light emitting diodes. <i>Organic Electronics</i> , <b>2009</b> , 10, 1372-1377	3.7	82
72	Enhancing performance of planar molecule-based organic light-emitting diodes through deposition-rate optimization: Role of molecular packing. <i>Chemical Physics Letters</i> , <b>2009</b> , 474, 207-211	2.5	20
71	Achieving high-efficiency non-doped blue organic light-emitting diodes: charge-balance control of bipolar blue fluorescent materials with reduced hole-mobility. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 5561		65
70	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. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 763-77	16.4	135
69	Solution-Processable, High-Molecule-Based Trifluoromethyl-Iridium Complex for Extraordinarily High Efficiency Blue-Green Organic Light-Emitting Diode. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2565-2567	9.6	65
68	Highly efficient red electrophosphorescent device incorporating a bipolar triphenylamine/bisphenylsulfonyl-substituted fluorene hybrid as the host. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 8002		55
67	Solid-state highly fluorescent diphenylaminospirobifluorenylfumaronitrile red emitters for non-doped organic light-emitting diodes. <i>Chemical Communications</i> , <b>2008</b> , 217-9	5.8	108
66	Enhancing the electroluminescence performances of blue polymer light emitting devices via carriers transporting materials incorporation. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 109, 2605-2615	2.9	2
65	Influence of Molecular Dipoles on the Photoluminescence and Electroluminescence of Dipolar Spirobifluorenes. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 248-257	15.6	107
64	Highly Efficient Carbazole-Dimesitylborane Bipolar Fluorophores for Nondoped Blue Organic Light-Emitting Diodes. <i>Advanced Materials</i> , <b>2008</b> , 20, 3947-3952	24	221
63	Photoluminescence characteristics of blue phosphorescent Ir <sup>3+</sup> -compounds Flrpic and FlrN4 doped in mCP and SimCP. <i>Optical Materials</i> , <b>2008</b> , 31, 366-371	3.3	35
62	Iridium(III) pyridyl azolate complexes with saturated red metal-to-ligand charge transfer phosphorescence; fundamental and potential applications in organic light-emitting diodes. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 2686-94	4.8	25
61	The Quest for High-Performance Host Materials for Electrophosphorescent Blue Dopants. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 1887-1895	15.6	155

60	Energy transfer between organic fluorescent CBP host and blue phosphorescent Irpic and IrN4 guests. <i>Optical Materials</i> , <b>2007</b> , 29, 1299-1304	3.3	21
59	Conformation and $\pi$ -conjugation of olefin-bridged acceptor on the pyrrole $\beta$ -carbon of nickel tetraphenylporphyrins: implicit evidence from linear and nonlinear optical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2007</b> , 11, 857-873	1.8	12
58	Charge carrier mobility of mixed-layer organic light-emitting diodes. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 142106	3.4	52
57	Efficient Thin Polymer Solar Cells with Post-Annealing. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1031, 1		
56	Novel carbazole/fluorene hybrids: host materials for blue phosphorescent OLEDs. <i>Organic Letters</i> , <b>2006</b> , 8, 2799-802	6.2	168
55	Synthesis and Characterization of 3,4-Diphenylmaleimide Copolymers That Exhibit Orange to Red Photoluminescence and Electroluminescence. <i>Macromolecules</i> , <b>2006</b> , 39, 3262-3269	5.5	52
54	Synthesis and Characterization of Donor-Acceptor-Substituted Fluorene Fluorophores for Non-Doped Red Organic Light Emitting Diodes. <i>Journal of the Chinese Chemical Society</i> , <b>2006</b> , 53, 1325-1334	1.5	5
53	3,4-Diphenylmaleimide-thiophene-fluorene copolymers for polymeric orange-red light-emitting diodes. <i>Organic Electronics</i> , <b>2006</b> , 7, 55-59	3.5	9
52	Synthesis and electroluminescence properties of a novel tetraphenylsilane- $\beta$ -diazole- $\beta$ -diphenyl(para-tolyl)amine polymer. <i>Polymer</i> , <b>2006</b> , 47, 7001-7012	3.9	22
51	All non-dopant red-green-blue composing white organic light-emitting diodes. <i>Organic Electronics</i> , <b>2006</b> , 7, 137-143	3.5	29
50	Achieving saturated red photoluminescence and electroluminescence with readily synthesized maleimide-arylamine copolymers. <i>Tetrahedron</i> , <b>2006</b> , 62, 9541-9547	2.4	11
49	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). <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 4287-94	5.1	58
48	Efficient and bright blue-emitting phosphorescent materials. <i>Journal of the Society for Information Display</i> , <b>2005</b> , 13, 857-862	2.1	9
47	Improved synthesis of 2,2P-dibromo-9,9P-spirobifluorene and its 2,2P-bisdonor-7,7P-bisacceptor-substituted fluorescent derivatives. <i>Organic Letters</i> , <b>2005</b> , 7, 3717-20	6.2	59
46	61.3: Blue Dopants and New Host Materials for Phosphorescent Organic Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , <b>2005</b> , 36, 1756	0.5	
45	Theoretical investigation of Stokes shift of 3,4-diaryl-substituted maleimide fluorophores. <i>Journal of Luminescence</i> , <b>2005</b> , 113, 321-328	3.8	35
44	Red-Emitting Fluorenes as Efficient Emitting Hosts for Non-Doped, Organic Red-Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 231-238	15.6	219
43	Rational Color Tuning and Luminescent Properties of Functionalized Boron-Containing 2-Pyridyl Pyrrolide Complexes. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 567-574	15.6	109

42	New Dopant and Host Materials for Blue-Light-Emitting Phosphorescent Organic Electroluminescent Devices. <i>Advanced Materials</i> , <b>2005</b> , 17, 285-289	24	633
41	Stable second-order NLO semi-IPN system based on bipyridine-containing polyimide and alkoxysilane dye. <i>Polymers for Advanced Technologies</i> , <b>2005</b> , 16, 515-523	3.2	11
40	Evolution of Red Organic Light-Emitting Diodes: Materials and Devices. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 4389-4400	9.6	687
39	Design of organic electroluminescent displays with ultraviolet-shielding filters. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 1432-1436	2.9	3
38	Bright and Efficient, Non-Doped, Phosphorescent Organic Red-Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2004</b> , 14, 1221-1226	15.6	154
37	Non-doped red organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 1293		102
36	Derivative of alpha,beta-dicyanostilbene: convenient precursor for the synthesis of diphenylmaleimide compounds, E-Z isomerization, crystal structure, and solid-state fluorescence. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 6455-62	4.2	141
35	Thermally stable crosslinked NLO materials based on maleimides. <i>Polymer</i> , <b>2003</b> , 44, 143-155	3.9	51
34	Ortho-substituent effect on fluorescence and electroluminescence of arylamino-substituted coumarin and stilbene. <i>Organic Letters</i> , <b>2003</b> , 5, 1261-4	6.2	112
33	Optimization of Tetraphenylsilane-Based Blue Organic Light-Emitting Devices with Copper Phthalocyanine. <i>Synthetic Metals</i> , <b>2003</b> , 137, 1035-1036	3.6	3
32	The colourful fluorescence from readily-synthesised 3,4-diaryl-substituted maleimide fluorophores. <i>Chemical Communications</i> , <b>2003</b> , 404-5	5.8	67
31	Readily synthesised arylamino fumaronitrile for non-doped red organic light-emitting diodes. <i>Chemical Communications</i> , <b>2003</b> , 2632-3	5.8	160
30	Red Organic Light-Emitting Diodes with a Non-doping Amorphous Red Emitter. <i>Advanced Materials</i> , <b>2002</b> , 14, 1072	24	184
29	Structures and UV-Visible Absorption Properties of Unsymmetrical Bisdithiolenic Nickel Complexes. <i>Journal of the Chinese Chemical Society</i> , <b>2002</b> , 49, 805-811	1.5	3
28	Optimization of high-performance blue organic light-emitting diodes containing tetraphenylsilane molecular glass materials. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 6469-79	16.4	183
27	Blue Light-Emitting Devices Based on Molecular Glass Materials of Tetraphenylsilane Compounds. <i>Advanced Materials</i> , <b>2001</b> , 13, 1637-1641	24	116
26	[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. <i>Chemical Communications</i> , <b>2001</b> , 2246-7	5.8	60
25	Synthesis, Properties, and Applications of Tetraphenylmethane-Based Molecular Materials for Light-Emitting Devices. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 2788-2796	9.6	83

24	Molecular Nonlinear Optical Properties of Acceptors Substituted 2,2'-Bipyridine and 1,10-Phenanthroline Complexes of Nickel Dithiolate. <i>Journal of the Chinese Chemical Society</i> , <b>2000</b> , 47, 197-201	1.5	5
23	Enhancing the glass-transition temperature of polyimide copolymers containing 2,2'-bipyridine units by the coordination of nickel malenonitriledithiolate. <i>Journal of Polymer Science Part A</i> , <b>2000</b> , 38, 498-503	2.5	8
22	Olefin-Mediated Interaction Observed for Nickel Tetraphenylporphyrins with an Acceptor Substituted on the $\beta$ Carbon. <i>Organic Letters</i> , <b>1999</b> , 1, 1767-1770	6.2	35
21	Structural Effects on Molecular Dipoles and Solvatochromism of Nickel(diimine)(dithiolate) Complexes. <i>Inorganic Chemistry</i> , <b>1999</b> , 38, 2734-2741	5.1	58
20	Tetraphenylmethane-Based 1,3,4-Oxadiazole as Electron Transporting Materials in Organic Light-Emitting Devices. <i>Materials Research Society Symposia Proceedings</i> , <b>1999</b> , 598, 366		1
19	Syntheses, Charge Distribution, and Molecular Second-Order Nonlinear Optical Properties of Push-Pull Bisdithiolene Nickel Complexes. <i>Advanced Materials</i> , <b>1998</b> , 10, 334-338	24	45
18	Thermal Stability of Robust Unsymmetrical Copperporphyrins with Multiple Diphenylamino and Nitro Substituents. <i>Journal of the Chinese Chemical Society</i> , <b>1998</b> , 45, 741-748	1.5	5
17	Molecular Second-Order Optical Nonlinearity of Push-Pull Bisdithiolene Nickel Complexes. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 488, 165		2
16	Synthesis and Characterization of Push-Pull Porphyrins. <i>Journal of the Chinese Chemical Society</i> , <b>1997</b> , 44, 23-31	1.5	12
15	Electronic Structure and Linear and Nonlinear Optical Properties of Symmetrical and Unsymmetrical Squaraine Dyes. <i>Chemistry - A European Journal</i> , <b>1997</b> , 3, 530-537	4.8	33
14	Large optical nonlinearities with conjugated ferrocene and ruthenocene derivatives. <i>Synthetic Metals</i> , <b>1996</b> , 81, 133-136	3.6	53
13	Organic Optical Limiter with a Strong Nonlinear Absorptive Response. <i>Science</i> , <b>1996</b> , 273, 1533-1536	33.3	635
12	The linear and non-linear optical properties of some conjugated ferrocene compounds with potent heterocyclic acceptors. <i>Inorganica Chimica Acta</i> , <b>1996</b> , 242, 43-49	2.7	67
11	meso-(3,5-Di-tert-butylphenyl)-2,2'-Dipyrrromethane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1996</b> , 52, 3114-3116		4
10	Synthesis and linear optical spectroscopy of thioflavylium near-infrared absorbing dyes. <i>Advanced Materials</i> , <b>1995</b> , 7, 1030-1033	24	16
9	Langmuir-Blodgett Films of Amphiphilic Push-Pull Porphyrins. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 383-385		99
8	Molecular first hyperpolarizabilities of a new class of asymmetric squaraine dyes. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 259		35
7	Syntheses and Linear and Nonlinear Optical Properties of Unsymmetrical Squaraines with Extended Conjugation. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 3117-3118	16.4	89

6	One-dimensional coordination polymers: Applications to material science. <i>Coordination Chemistry Reviews</i> , <b>1993</b> , 128, 293-322	23.2	465
5	Push-pull porphyrins as nonlinear optical materials. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 6928-6930	16.4	165
4	Syntheses and crystal structures of diiminosuccinonitrile and its iron(II) complex. <i>Transition Metal Chemistry</i> , <b>1989</b> , 14, 76-78	2.1	5
3	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]. <i>Inorganica Chimica Acta</i> , <b>1985</b> , 101, L31-L33	2.7	60
2	Solid-state near infrared emitting platinum(II) complexes as either an ultrathin or singly doped phosphorescence emitting layer in hybrid white OLEDs exhibiting high efficiency and colour rendering index. <i>Journal of Materials Chemistry C</i> ,	7.1	1
1	Hybrid white organic light-emitting diodes based on platinum complex. <i>Journal of the Chinese Chemical Society</i> ,	1.5	