Wen-Yong Lai

List of Publications by Year in Descending Order

187 papers	8,276 citations	42 h-index	86 g-index
210 ext. papers	9,708 ext. citations	8.3 avg, IF	6.39 L-index

#	Paper	IF	Citations
187	Advanced Current Collector Materials for High-Performance Lithium Metal Anodes.. *Small*, **2022**, e2200010	11	6
186	Artificial intelligent optoelectronic skin with anisotropic electrical and optical responses for multi-dimensional sensing. *Applied Physics Reviews*, **2022**, 9, 021403	17.3	10
185	Frequency-Upconverted Stimulated Emission by Up to Six-Photon Excitation from Highly Extended Spiro-Fused Ladder-Type Oligo(p-phenylene)s. *Angewandte Chemie*, **2021**, 133, 10095-10103	3.6	0
184	Frequency-Upconverted Stimulated Emission by Up to Six-Photon Excitation from Highly Extended Spiro-Fused Ladder-Type Oligo(p-phenylene)s. *Angewandte Chemie - International Edition*, **2021**, 60, 10007-10015	16.4	21
183	Conductive Hydrogel-Based Electrodes and Electrolytes for Stretchable and Self-Healable Supercapacitors. *Advanced Functional Materials*, **2021**, 31, 2101303	15.6	52
182	Post-Treatment of Screen-Printed Silver Nanowire Networks for Highly Conductive Flexible Transparent Films. *Advanced Materials Interfaces*, **2021**, 8, 2100548	4.6	13
181	Highly efficient ultra-flexible tandem organic light-emitting diodes adopting a non-doped charge generation unit. *Journal of Materials Chemistry C*, **2021**, 9, 8570-8578	7.1	2
180	Highly Efficient Inverted Organic Light-Emitting Diodes Adopting a Self-Assembled Modification Layer. *ACS Applied Materials & Interfaces*, **2021**, 13, 41818-41825	9.5	0
179	(4,5,8)-Connected Cationic Coordination Polymer Material as Explosive Chemosensor Based on the in Situ Generated AIE Tetrazolyl-Tetraphenylethylene Derivative. *Inorganic Chemistry*, **2021**, 60, 13359-13365	5.1	0
178	Efficient inverted organic light-emitting devices using a charge-generation unit as electron-injection layers. *Organic Electronics*, **2021**, 96, 106202	3.5	1
177	Interface Passivation and Hole Injection Improvement of Solution-Processed White Organic Light-Emitting Diodes through Embedding an Ultrathin Graphene Oxide Layer. *Advanced Materials Interfaces*, **2021**, 8, 2100794	4.6	1
176	Lateral current suppression in tandem organic light-emitting diodes by adopting a buffer layer. *Organic Electronics*, **2021**, 100, 106353	3.5	0
175	Efficient small molecule organic light-emitting diodes fabricated by brush-coating. *Journal of Materials Chemistry C*, **2021**, 9, 2190-2197	7.1	5
174	A dendrite-suppressed flexible polymer-in-ceramic electrolyte membrane for advanced lithium batteries. *Electrochimica Acta*, **2020**, 353, 136604	6.7	3
173	Porous Organic Polymers as Promising Electrode Materials for Energy Storage Devices. *Advanced Materials Technologies*, **2020**, 2000154	6.8	23
172	Highly efficient solution-processed red phosphorescent organic light-emitting diodes employing an interface exciplex host. *Journal of Materials Chemistry C*, **2020**, 8, 9909-9915	7.1	9
171	Cellulose Microcrystals with Brush-Like Architectures as Flexible All-Solid-State Polymer Electrolyte for Lithium-Ion Battery. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 3200-3207	8.3	35

170	Boosting Circularly Polarized Luminescence of Organic Conjugated Systems Twisted Intramolecular Charge Transfer. *Research*, **2020**, 2020, 3839160	7.8	13
169	Highly Regioselective Direct C-H Arylation: Facile Construction of Symmetrical Dithienophthalimide-Based -Conjugated Molecules for Optoelectronics. *Research*, **2020**, 2020, 9075697	7.8	4
168	Donor-Acceptor Type Pendant Conjugated Molecules Based on a Triazine Center with Depressed Intramolecular Charge Transfer Characteristics as Gain Media for Organic Semiconductor Lasers. *Chemistry - A European Journal*, **2020**, 26, 3103-3112	4.8	13
167	Pendant conjugated molecules based on a heterogeneous core structure with enhanced morphological and emissive properties for organic semiconductor lasing. *Materials Chemistry Frontiers*, **2020**, 4, 3660-3668	7.8	4
166	Organic solid-state lasers: a materials view and future development. *Chemical Society Reviews*, **2020** ,	58.5	116
165	Abnormal Carrier Dynamics of Non-Doped P-Type Poly(N-vinylcarbazole). *Macromolecular Chemistry and Physics*, **2020**, 221, 2000329	2.6	1
164	Self-templated synthesis of uniform hollow spheres based on highly conjugated three-dimensional covalent organic frameworks. *Nature Communications*, **2020**, 11, 5561	17.4	38
163	Inverted organic light-emitting devices using a charge-generation unit as an electron injector. *Organic Electronics*, **2020**, 76, 105445	3.5	7
162	Low Threshold Amplified Spontaneous Emission from Efficient Energy Transfer in Blends of Conjugated Polymers. *Journal of Physical Chemistry C*, **2020**, 124, 8576-8583	3.8	9
161	Low-Threshold Non-Doped Deep Blue Lasing from Monodisperse Truxene-Cored Conjugated Starbursts with High Photostability. *Chemistry - an Asian Journal*, **2019**, 14, 3442-3448	4.5	5
160	Electron-Rich Extended Diindolotriazatruxene-Based Chemosensors with Highly Selective and Rapid Responses to Nitroaromatic Explosives. *ChemPlusChem*, **2019**, 84, 1623-1629	2.8	4
159	Real-time naked-eye recognizable temperature monitoring based on Ho3+ (or Tm3+)-activated NaYF4 upconversion nanowires via visual multicolor alteration. *Materials Chemistry Frontiers*, **2019**, 3, 791-795	7.8	7
158	A Simple Strategy towards Highly Conductive Silver-Nanowire Inks for Screen-Printed Flexible Transparent Conductive Films and Wearable Energy-Storage Devices. *Advanced Materials Technologies*, **2019**, 4, 1900196	6.8	43
157	Iridium(III)-Complexed Polydendrimers for Inkjet-Printing OLEDs: The Influence of Solubilizing Steric Hindrance Groups. *ACS Applied Materials & Interfaces*, **2019**, 11, 26174-26184	9.5	21
156	Printed supercapacitors: materials, printing and applications. *Chemical Society Reviews*, **2019**, 48, 3229-3264	56.5	222
155	Design, Synthesis, and Postvapor Treatment of Neutral Fulleropyrrolidine Electron-Collecting Interlayers for High-Efficiency Inverted Polymer Solar Cells. *ACS Applied Electronic Materials*, **2019**, 1, 854-861	4	14
154	Multi-Sulfur-Annulated Fused Perylene Diimides for Organic Solar Cells with Low Open-Circuit Voltage Loss. *ACS Applied Energy Materials*, **2019**, 2, 3805-3814	6.1	22
153	Low-Threshold Organic Semiconductor Lasers with the Aid of Phosphorescent Ir(III) Complexes as Triplet Sensitizers. *Advanced Functional Materials*, **2019**, 29, 1806719	15.6	33

152	Design and Synthesis of Conjugated Starburst Molecules for Optoelectronic Applications. *Chemical Record*, **2019**, 19, 1571-1595	6.6	12
151	A nanowire-nanoparticle double composite polymer electrolyte for high performance ambient temperature solid-state lithium batteies. *Electrochimica Acta*, **2019**, 320, 134560	6.7	11
150	Inkjet-Printed High-Performance Flexible Micro-Supercapacitors with Porous Nanofiber-Like Electrode Structures. *Small*, **2019**, 15, e1901830	11	54
149	Facile brush-coated □phase poly(9,9-dioctylfluorene) films for efficient and stable pure-blue polymer light-emitting diodes. *Organic Electronics*, **2019**, 75, 105380	3.5	8
148	Diindolotriazatruxene-Based Hole-Transporting Materials for High-Efficiency Planar Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 45717-45725	9.5	15
147	Influence of the intramolecular donor-acceptor distance on the performance of double-cable polymers. *European Polymer Journal*, **2019**, 112, 38-44	5.2	2
146	Highly efficient inverted organic light-emitting devices adopting solution-processed double electron-injection layers. *Organic Electronics*, **2019**, 66, 1-6	3.5	18
145	Monodisperse Six-Armed Starbursts based on Truxene-Cored Multibranched Oligofluorenes: Design, Synthesis, and Stabilized Lasing Characteristics. *Chemistry - A European Journal*, **2019**, 25, 3909-3917	4.8	14
144	Paper-based all-solid-state flexible asymmetric micro-supercapacitors fabricated by a simple pencil drawing methodology. *Chinese Chemical Letters*, **2018**, 29, 587-591	8.1	19
143	Design and Synthesis of Monodisperse Macromolecular Starbursts Based on a Triazine Center with Multibranched Oligofluorenes as Efficient Gain Media for Organic Lasers. *Macromolecules*, **2018**, 51, 1325-1335	5.5	23
142	Screen-Printed Poly(3,4-Ethylenedioxythiophene):Poly(Styrenesulfonate) Grids as ITO-Free Anodes for Flexible Organic Light-Emitting Diodes. *Advanced Functional Materials*, **2018**, 28, 1705955	15.6	97
141	Printable Transparent Conductive Films for Flexible Electronics. *Advanced Materials*, **2018**, 30, 1704738	24	338
140	Inkjet printed large-area flexible circuits: a simple methodology for optimizing the printing quality. *Journal of Semiconductors*, **2018**, 39, 015001	2.3	13
139	Precisely Controlling the Grain Sizes with an Ammonium Hypophosphite Additive for High-Performance Perovskite Solar Cells. *Advanced Functional Materials*, **2018**, 28, 1802320	15.6	53
138	Efficient non-doped blue phosphorescent organic light-emitting devices by incorporating Ag-island nanostructures. *Organic Electronics*, **2018**, 58, 25-32	3.5	13
137	Wide-Bandgap Small Molecular Acceptors Based on a Weak Electron-Withdrawing Moiety for Efficient Polymer Solar Cells. *Solar Rrl*, **2018**, 2, 1800120	7.1	24
136	Improving the exciton dissociation of polymer/fullerene interfaces with a minimal loading amount of energy cascading molecular dopant. *Journal of Materials Chemistry A*, **2018**, 6, 15977-15984	13	12
135	Enhancing Optical Gain Stability for a Deep-Blue Emitter Enabled by a Low-Loss Transparent Matrix. *Journal of Physical Chemistry C*, **2018**, 122, 21569-21578	3.8	5

134	Highly Transparent and Flexible All-Solid-State Supercapacitors Based on Ultralong Silver Nanowire Conductive Networks. *ACS Applied Materials & Interfaces*, **2018**, 10, 32536-32542	9.5	69
133	Effects of conjugated bridges on the photovoltaic properties of ortho-functionalized perylene diimides for non-fullerene polymer solar cells. *Journal of Materials Chemistry C*, **2018**, 6, 13171-13178	7.1	9
132	Highly efficient tandem organic light-emitting devices adopting a nondoped charge-generation unit and ultrathin emitting layers. *Organic Electronics*, **2018**, 53, 353-360	3.5	20
131	Stimuli-responsive solid-state emission from o-carborane□tetraphenylethene dyads induced by twisted intramolecular charge transfer in the crystalline state. *Journal of Materials Chemistry C*, **2018**, 6, 19-28	7.1	85
130	Control of circularly polarized luminescence from a boron ketoiminate-based □conjugated polymer via conformational locks. *Polymer Chemistry*, **2018**, 9, 5278-5285	4.9	22
129	Organic Light-Emitting Field-Effect Transistors: Device Geometries and Fabrication Techniques. *Advanced Materials*, **2018**, 30, e1802466	24	81
128	High-yield and rapid synthesis of ultrathin silver nanowires for low-haze transparent conductors. *RSC Advances*, **2017**, 7, 4891-4895	3.7	31
127	Reduced quenching effects of organic gain media with metallic electrodes via introducing a conjugated macroelectrolyte interlayer. *Journal of Applied Physics*, **2017**, 121, 035301	2.5	1
126	Redox-active triazatruxene-based conjugated microporous polymers for high-performance supercapacitors. *Chemical Science*, **2017**, 8, 2959-2965	9.4	103
125	Industrially weavable metal/cotton yarn air electrodes for highly flexible and stable wire-shaped Li□2 batteries. *Journal of Materials Chemistry A*, **2017**, 5, 3638-3644	13	22
124	Stable pure-blue emission of poly(9,9-dioctylfluorene) via suppression of the green emission. *Journal of Applied Polymer Science*, **2017**, 134,	2.9	1
123	Multilayered phosphorescent polymer light-emitting diodes using a solution-processed n-doped electron transport layer. *Journal of Luminescence*, **2017**, 186, 87-92	3.8	5
122	One-pot synthesis of heterogeneous Co3O4-nanocube/Co(OH)2-nanosheet hybrids for high-performance flexible asymmetric all-solid-state supercapacitors. *Nano Energy*, **2017**, 35, 138-145	17.1	262
121	Catalyst-free one-step synthesis of ortho-tetraaryl perylene diimides for efficient OPV non-fullerene acceptors. *Journal of Materials Chemistry C*, **2017**, 5, 2781-2785	7.1	31
120	One-step preparation of conjugated homopolymer sub-microspheres via a controllable supramolecular approach toward optoelectronic applications. *RSC Advances*, **2017**, 7, 14688-14693	3.7	8
119	Towards Monodisperse Star-Shaped Ladder-Type Conjugated Systems: Design, Synthesis, Stabilized Blue Electroluminescence, and Amplified Spontaneous Emission. *Chemistry - A European Journal*, **2017**, 23, 5448-5458	4.8	22
118	Multifunctional NaYF4:Yb3+,Er3+@SiO2@Au heterogeneous nanocomposites for upconversion luminescence, temperature sensing and photothermal conversion. *RSC Advances*, **2017**, 7, 11491-11495	3.7	7
117	Ladder-type oligo(p-phenylene)s with D□A architectures: design, synthesis, optical gain properties, and stabilized amplified spontaneous emission. *Journal of Materials Chemistry C*, **2017**, 5, 5797-5809	7.1	17

116	Amphiphilic conjugated molecules with multifunctional properties as efficient blue emitters and cathode interlayers for inkjet printed organic light-emitting diodes. *Journal of Materials Chemistry C* , **2017**, 5, 7075-7083	7.1	18
115	Facile synthesis of ultrasmall hexagonal NaYF4:Yb3+,Er3+ upconversion nanocrystals through temperature oscillation. *Inorganic Chemistry Frontiers*, **2017**, 4, 1211-1214	6.8	7
114	Understanding the molecular gelation processes of heteroatomic conjugated polymers for stable blue polymer light-emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 6762-6770	7.1	18
113	Inverse-architecture perovskite solar cells with 5,6,11,12-tetraphenylnaphthacene as a hole conductor. *RSC Advances*, **2017**, 7, 29944-29952	3.7	11
112	Understanding the dependence of performance on the dielectric-semiconductor interface in pentacene-based organic field-effect transistors. *Materials Letters*, **2017**, 189, 286-289	3.3	5
111	High-color-quality white electroluminescence and amplified spontaneous emission from a star-shaped single-polymer system with simultaneous three-color emission. *Polymer Chemistry*, **2017**, 8, 851-859	4.9	8
110	Facile synthesis of Mn3[Co(CN)6]2□hH2O nanocrystals for high-performance electrochemical energy storage devices. *Inorganic Chemistry Frontiers*, **2017**, 4, 442-449	6.8	12
109	A small molecule/fullerene binary acceptor system for high-performance polymer solar cells with enhanced light-harvesting properties and balanced carrier mobility. *Journal of Materials Chemistry A*, **2017**, 5, 2460-2465	13	31
108	Inner salt-shaped small molecular photosensitizer with extremely enhanced two-photon absorption for mitochondrial-targeted photodynamic therapy. *Chemical Communications*, **2017**, 53, 1680-1683	5.8	38
107	Inkjet-Printed Small-Molecule Organic Light-Emitting Diodes: Halogen-Free Inks, Printing Optimization, and Large-Area Patterning. *ACS Applied Materials & Interfaces*, **2017**, 9, 40533-40540	9.5	61
106	Pyridine linked fluorene hybrid bipolar host for blue, green, and orange phosphorescent organic light-emitting diodes toward solution processing. *Journal of Materials Chemistry C*, **2017**, 5, 11937-11946	7.1	12
105	Unexpected One-Pot Synthesis of Diindolotriazatruxene: A Planar Electron-Rich Scaffold Toward Highly □Extended PAHs. *Asian Journal of Organic Chemistry*, **2017**, 6, 1749-1754	3	5
104	Nitrogen-doped star-shaped polycyclic aromatic hydrocarbons based on fused triazatruxenes: synthesis and optoelectronic properties. *New Journal of Chemistry*, **2017**, 41, 13619-13624	3.6	13
103	Highly efficient solution-processed phosphorescent organic light-emitting devices with double-stacked hole injection layers. *Journal of Applied Physics*, **2017**, 122, 065304	2.5	10
102	A facile methodology for regulating the size of hexagonal NaYF4:Yb3+,Er3+ upconversion nanocrystals. *New Journal of Chemistry*, **2017**, 41, 11521-11524	3.6	11
101	Stimuli-responsive circularly polarized luminescence from an achiral perylenyl dyad. *Organic and Biomolecular Chemistry*, **2017**, 15, 8463-8470	3.9	17
100	One Dimensional Silver-based Nanomaterials: Preparations and Electrochemical Applications. *Small* , **2017**, 13, 1701091	11	42
99	Intramolecular charge transfer induced emission from triphenylamine-o-carborane dyads. *RSC Advances*, **2017**, 7, 35543-35548	3.7	28

98	Improved performance of inkjet-printed Ag source/drain electrodes for organic thin-film transistors by overcoming the coffee ring effects. *AIP Advances*, **2017**, 7, 115008	1.5	6
97	Pyrene-Cored Starburst Oligofluorenes with Diphenylamine End-Cappers: Design, Synthesis, Stabilized Optical Gain, and Lasing Properties. *Journal of Physical Chemistry C*, **2017**, 121, 27569-27579	3.8	13
96	Pyrene-centered cyanophenyl end-capped starbursts: design, synthesis, stabilized blue electroluminescence and lasing properties. *Materials Chemistry Frontiers*, **2017**, 1, 668-676	7.8	20
95	Ladder-type poly(indenofluorene-co-benzothiadiazole)s as efficient gain media for organic lasers: design, synthesis, optical gain properties, and stabilized lasing properties. *Journal of Materials Chemistry C*, **2017**, 5, 6629-6639	7.1	18
94	Architecture of Conjugated Donor–Acceptor (D–A)-Type Polymer Films with Cross-Linked Structures. *Advanced Functional Materials*, **2016**, 26, 1646-1655	15.6	18
93	Inverted polymer light-emitting devices using a conjugated starburst macromolecule as an interlayer. *RSC Advances*, **2016**, 6, 84342-84347	3.7	3
92	Flexible Supercapacitors: A Simple Approach to Boost Capacitance: Flexible Supercapacitors Based on Manganese Oxides@MOFs via Chemically Induced In Situ Self-Transformation (Adv. Mater. 26/2016). *Advanced Materials*, **2016**, 28, 5241	24	14
91	Extended Star-Shaped Polycyclic Aromatic Hydrocarbons based on Fused Truxenes: Synthesis, Self-Assembly, and Facilely Tunable Emission Properties. *Chemistry - an Asian Journal*, **2016**, 11, 3589-3597	4.5	8
90	High-performance free-standing PEDOT:PSS electrodes for flexible and transparent all-solid-state supercapacitors. *Journal of Materials Chemistry A*, **2016**, 4, 10493-10499	13	158
89	Pyrene-capped starburst emitters as gain media for organic lasers: design, synthesis, and stabilized lasing properties. *Journal of Materials Chemistry C*, **2016**, 4, 7546-7553	7.1	17
88	Enhanced performance of poly(3-hexylthiophene-2,5-diyl):[6,6]-phenyl-C61-butyric acid methyl ester solar cells by UV irradiation. *Thin Solid Films*, **2016**, 600, 136-141	2.2	2
87	A novel high-efficiency white hyperbranched polymer derived from polyfluorene with green and red iridium(III) complexes as the cores. *Dyes and Pigments*, **2016**, 130, 191-201	4.6	8
86	Star-Shaped Single-Polymer Systems with Simultaneous RGB Emission: Design, Synthesis, Saturated White Electroluminescence, and Amplified Spontaneous Emission. *Macromolecules*, **2016**, 49, 2549-2558	5.5	40
85	Tuning circularly polarized luminescence of an AIE-active pyrene luminogen from fluidic solution to solid thin film. *Tetrahedron Letters*, **2016**, 57, 1256-1260	2	24
84	Cu superstructures hydrothermally reduced by leaves and derived Cu–Co3O4 hybrids for flexible solid-state electrochemical energy storage devices. *Journal of Materials Chemistry A*, **2016**, 4, 4840-4847	13	25
83	A T-shaped triazatruxene probe for the naked-eye detection of HCl gas with high sensitivity and selectivity. *Chemical Communications*, **2016**, 52, 2748-51	5.8	27
82	Multi-substituted triazatruxene-functionalized pyrene derivatives as efficient organic laser gain media. *RSC Advances*, **2016**, 6, 6266-6275	3.7	24
81	Efficient blue organic light-emitting devices based on solution-processed starburst macromolecular electron injection layer. *Journal of Luminescence*, **2016**, 170, 50-55	3.8	14

80	A Simple Approach to Boost Capacitance: Flexible Supercapacitors Based on Manganese Oxides@MOFs via Chemically Induced In Situ Self-Transformation. *Advanced Materials*, **2016**, 28, 5242-8	24	190
79	Improved amplified spontaneous emission of organic gain media with metallic electrodes by introducing a low-loss solution-processed organic interfacial layer. *RSC Advances*, **2016**, 6, 49903-49909	3.7	2
78	Efficient phosphorescent polymer light-emitting devices using a conjugated starburst macromolecule as a cathode interlayer. *RSC Advances*, **2016**, 6, 10326-10333	3.7	8
77	High Efficiency Inverted Organic Solar Cells with a Neutral Fulleropyrrolidine Electron-Collecting Interlayer. *ACS Applied Materials & Interfaces*, **2016**, 8, 14293-300	9.5	31
76	Distinct phosphorescence enhancement of red-emitting iridium(III) complexes with formyl-functionalized phenylpyridine ligands. *Journal of Materials Chemistry C*, **2016**, 4, 4709-4718	7.1	25
75	Improved performances of inkjet-printed poly(3-hexylthiophene) organic thin-film transistors by inserting an ionic self-assembled monolayer. *RSC Advances*, **2016**, 6, 40970-40974	3.7	15
74	Porous dimanganese trioxide microflowers derived from microcoordinations for flexible solid-state asymmetric supercapacitors. *Nanoscale*, **2016**, 8, 11689-97	7.7	28
73	A self-assembling amphiphilic perylene bisimide and its application for WORM memory devices. *New Journal of Chemistry*, **2016**, 40, 8886-8891	3.6	3
72	Triazatruxene-based materials for organic electronics and optoelectronics. *Journal of Materials Chemistry C*, **2016**, 4, 10574-10587	7.1	52
71	Inkjet-printed flexible, transparent and aesthetic energy storage devices based on PEDOT:PSS/Ag grid electrodes. *Journal of Materials Chemistry A*, **2016**, 4, 13754-13763	13	130
70	Understanding the Light Soaking Effects in Inverted Organic Solar Cells Functionalized with Conjugated Macroelectrolyte Electron-Collecting Interlayers. *Advanced Science*, **2016**, 3, 1500245	13.6	31
69	Room temperature synthesis of cobalt-manganese-nickel oxalates micropolyhedrons for high-performance flexible electrochemical energy storage device. *Scientific Reports*, **2015**, 5, 8536	4.9	46
68	Highly efficient red phosphorescent organic light-emitting devices based on solution-processed small molecular mixed-host. *Journal of Luminescence*, **2015**, 161, 300-305	3.8	24
67	Lamellar K2Co3(P2O7)2□2H2O nanocrystal whiskers: High-performance flexible all-solid-state asymmetric micro-supercapacitors via inkjet printing. *Nano Energy*, **2015**, 15, 303-312	17.1	153
66	Flexible supercapacitors based on paper substrates: a new paradigm for low-cost energy storage. *Chemical Society Reviews*, **2015**, 44, 5181-99	58.5	455
65	Stretchable Thin-Film Electrodes for Flexible Electronics with High Deformability and Stretchability. *Advanced Materials*, **2015**, 27, 3349-76	24	333
64	Saturated and stabilized white electroluminescence with simultaneous three-color emission from a six-armed star-shaped single-polymer system. *Polymer Chemistry*, **2015**, 6, 8019-8028	4.9	24
63	A Solution-Processed Resonance Host for Highly Efficient Electrophosphorescent Devices with Extremely Low Efficiency Roll-off. *Advanced Materials*, **2015**, 27, 6939-44	24	55

62	Arylfluorene based universal hosts for solution-processed RGB and white phosphorescent organic light-emitting devices. *RSC Advances*, **2015**, 5, 94077-94083	3.7	7
61	Synthesis, structural characterization and reactivity of a bis(phosphine)(silyl) platinum(II) complex. *Journal of Coordination Chemistry*, **2015**, 68, 4203-4211	1.6	2
60	Amorphous nickel pyrophosphate microstructures for high-performance flexible solid-state electrochemical energy storage devices. *Nano Energy*, **2015**, 17, 339-347	17.1	117
59	Synthesis, structural characterization and reactivity of a bis(phosphine)(silyl) platinum(II) complex. *Journal of Molecular Structure*, **2015**, 1097, 181-184	3.4	4
58	Uniform manganese hexacyanoferrate hydrate nanocubes featuring superior performance for low-cost supercapacitors and nonenzymatic electrochemical sensors. *Nanoscale*, **2015**, 7, 16012-9	7.7	79
57	Well-defined star-shaped conjugated macroelectrolytes as efficient electron-collecting interlayer for inverted polymer solar cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 452-9	9.5	38
56	A Rapid Synthesis of High Aspect Ratio Silver Nanowires for High-Performance Transparent Electrodes. *Chinese Journal of Chemistry*, **2015**, 33, 147-151	4.9	8
55	Synthesis and structural studies of a rare bis(phosphine) (hydrido) (silyl) platinum(II) complex containing a Si–Si single bond. *Journal of Organometallic Chemistry*, **2015**, 776, 113-116	2.3	7
54	Pyrene-Capped Conjugated Amorphous Starbursts: Synthesis, Characterization, and Stable Lasing Properties in Ambient Atmosphere. *Advanced Functional Materials*, **2015**, 25, 4617-4625	15.6	47
53	White Electroluminescence with Simultaneous Three-Color Emission from a Four-Armed Star-Shaped Single-Polymer System. *Chinese Journal of Chemistry*, **2015**, 33, 873-880	4.9	11
52	Synthesis, Structural Characterization and Reactivity of a Bis(phosphine)(silyl) Platinum(II) Complex. *Chinese Journal of Chemistry*, **2015**, 33, 1206-1210	4.9	6
51	Solution processed single-emission layer white polymer light-emitting diodes with high color quality and high performance from a poly(N-vinyl)carbazole host. *Physical Chemistry Chemical Physics*, **2015**, 17, 8860-9	3.6	22
50	Donor-acceptor star-shaped conjugated macroelectrolytes: synthesis, light-harvesting properties, and self-assembly-induced Förster resonance energy transfer. *Journal of Physical Chemistry B*, **2015**, 119, 6730-9	3.4	6
49	Pyrenyl-Capped Benzofiurene Derivatives: Synthesis, Characterization, and the Effects of Flexible Side Chains on Modulating the Optoelectronic Properties. *Journal of Physical Chemistry C*, **2015**, 119, 28117-28126	3.8	16
48	Synthesis and Characterization of Near-Infrared Emissive Chiral π-Conjugated Polymers Incorporating Perylenyl Moieties with Visible-Light Absorption. *Synlett*, **2015**, 26, 2451-2456	2.2	3
47	Recent progress in metal-organic complexes for optoelectronic applications. *Chemical Society Reviews*, **2014**, 43, 3259-302	58.5	823
46	Fluorene-based cathode interlayer polymers for high performance solution processed organic optoelectronic devices. *Organic Electronics*, **2014**, 15, 1244-1253	3.5	32
45	Synthesis and characterization of symmetric cyclooctatetraindoles: exploring the potential as electron-rich skeletons with extended π-systems. *Organic Letters*, **2014**, 16, 2942-5	6.2	35

44	High-performance stretchable transparent electrodes based on silver nanowires synthesized via an eco-friendly halogen-free method. *Journal of Materials Chemistry C*, **2014**, 2, 10369-10376	7.1	84
43	Porous hollow Co□□ with rhombic dodecahedral structures for high-performance supercapacitors. *Nanoscale*, **2014**, 6, 14354-9	7.7	215
42	A hydrophilic monodisperse conjugated starburst macromolecule with multidimensional topology as electron transport/injection layer for organic electronics. *Polymer Chemistry*, **2014**, 5, 2942-2950	4.9	27
41	Synthesis and structural characterization of a novel bis(silyl) platinum(II) complex bearing SiH3 ligand. *Journal of Organometallic Chemistry*, **2014**, 749, 246-250	2.3	9
40	Stable pure-blue polymer light-emitting devices based on □phase poly(9,9-dioctylfluorene) induced by 1,2-dichloroethane. *Applied Physics Express*, **2014**, 7, 101601	2.4	20
39	Research Progress of Non-Fullerene Small-Molecule Acceptor Materials for Organic Solar Cells. *Acta Chimica Sinica*, **2014**, 72, 158	3.3	12
38	One-step electrochemical synthesis of a graphene□nO hybrid for improved photocatalytic activity. *Materials Research Bulletin*, **2013**, 48, 2855-2860	5.1	62
37	Alternating pyrene□luorene linear copolymers: Influence of non-conjugated and conjugated pyrene on thermal and optoelectronic properties. *Synthetic Metals*, **2013**, 174, 33-41	3.6	2
36	Efficient and stable deep blue polymer light-emitting devices based on □phase poly(9,9-dioctylfluorene). *Applied Physics Letters*, **2013**, 103, 153301	3.4	57
35	Efficient Green Organic Light-Emitting Devices Based on a Solution-Processable Starburst Molecule. *Chinese Physics Letters*, **2013**, 30, 098501	1.8	3
34	Polyfluorene-based semiconductors combined with various periodic table elements for organic electronics. *Progress in Polymer Science*, **2012**, 37, 1192-1264	29.6	244
33	Carbazole/iridium dendrimer side-chain phosphorescent copolymers for efficient light emitting devices. *New Journal of Chemistry*, **2012**, 36, 407-413	3.6	13
32	The □ouble dendron□approach to host free phosphorescent poly(dendrimer) OLEDs. *Polymer Chemistry*, **2012**, 3, 734	4.9	13
31	Poly(dendrimers) with Phosphorescent Iridium(III) Complex-Based Side Chains Prepared via Ring-Opening Metathesis Polymerization. *Macromolecules*, **2012**, 45, 2963-2971	5.5	29
30	High power efficiency phosphorescent poly(dendrimer) OLEDs. *Optics Express*, **2012**, 20 Suppl 2, A213-8	3.3	16
29	One-pot synthesis of 2-bromo-4,5-diazafluoren-9-one via a tandem oxidation□romination-rearrangement of phenanthroline and its hammer-shaped donor□cceptor organic semiconductors. *Tetrahedron*, **2011**, 67, 1977-1982	2.4	26
28	Towards Highly Substituted Starburst Macromolecular Semiconductors: Microwave Synthesis, Spectroscopy and Electrochemical Properties. *Macromolecular Chemistry and Physics*, **2011**, 212, 445-454	2.6	19
27	Efficient Phosphorescence by Reducing Intrachain Chromophore Interactions in Dendrimer-Containing Polymers. *Journal of Physical Chemistry C*, **2011**, 115, 25464-25469	3.8	5

26	A Phosphorescent Poly(dendrimer) Containing Iridium(III) Complexes: Synthesis and Light-Emitting Properties. *Macromolecules*, **2010**, 43, 6986-6994	5.5	50
25	Triazatruxene-containing hyperbranched polymers: Microwave-assisted synthesis and optoelectronic properties. *Science China Chemistry*, **2010**, 53, 2472-2480	7.9	22
24	2,3,7,8,12,13-Hexaaryltruxenes: an ortho-substituted multiarm design and microwave-accelerated synthesis toward starburst macromolecular materials with well-defined pi delocalization. *Chemistry - A European Journal*, **2010**, 16, 8471-9	4.8	37
23	Low-Threshold Distributed-Feedback Lasers Based on Pyrene-Cored Starburst Molecules with 1,3,6,8-Attached Oligo(9,9-Dialkylfluorene) Arms. *Advanced Functional Materials*, **2009**, 19, 2844-2850	15.6	110
22	Enhanced Solid-State Luminescence and Low-Threshold Lasing from Starburst Macromolecular Materials. *Advanced Materials*, **2009**, 21, 355-360	24	141
21	A study on the preparation and photophysical properties of an iridium(III) complexed homopolymer. *Journal of Materials Chemistry*, **2009**, 19, 4952		20
20	Synthesis and Characterization of 2,3,7,8,12,13-Hexabromotruxene and Its Hexaaryl Derivatives. *Chemistry Letters*, **2009**, 38, 286-287	1.7	13
19	Synthesis and Properties of Triphenylamine- and 9-Phenylcarbazole-cored Star-shaped Terfluorenes: Understanding the Effect of Molecular Dimensionality. *Chemistry Letters*, **2009**, 38, 392-393	1.7	9
18	Synthesis and Characterization of Starburst 9-Phenylcarbazole/Triazatruxene Hybrids. *Chemistry Letters*, **2008**, 37, 986-987	1.7	25
17	Synthesis and Characterization of Pyrene-Centered Starburst Oligofluorenes. *Macromolecular Rapid Communications*, **2008**, 29, 659-664	4.8	79
16	Kinked Star-Shaped Fluorene/ Triazatruxene Co-oligomer Hybrids with Enhanced Functional Properties for High-Performance, Solution-Processed, Blue Organic Light-Emitting Diodes. *Advanced Functional Materials*, **2008**, 18, 265-276	15.6	161
15	Novel blue light-emitting hyperbranched polyfluorenes incorporating carbazole kinked structure. *European Polymer Journal*, **2008**, 44, 3169-3176	5.2	20
14	Microwave-Assisted Synthesis of Water-Dispersed CdTe Nanocrystals with High Luminescent Efficiency and Narrow Size Distribution. *Chemistry of Materials*, **2007**, 19, 359-365	9.6	173
13	Deep-blue light emitting triazatruxene core/oligo-fluorene branch dendrimers for electroluminescence and optical gain applications. *Journal Physics D: Applied Physics*, **2007**, 40, 1896-1903	2	39
12	Monodisperse star-shaped compound and its blend in uncapped polyfluorene matrices as the active materials for high-performance pure blue light-emitting devices. *Applied Physics Letters*, **2007**, 90, 141909	3.4	19
11	Synthesis and Optical Properties of Starburst Carbazoles Based on 9-Phenylcarbazole Core. *Synlett*, **2006**, 2006, 2841-2845	2.2	2
10	Synthesis of CdTe nanocrystals through program process of microwave irradiation. *Journal of Physical Chemistry B*, **2006**, 110, 13352-6	3.4	110
9	Microwave-enhanced multiple Suzuki couplings toward highly luminescent starburst monodisperse macromolecules. *Chemical Communications*, **2006**, 1959-61	5.8	58

8	Microwave-assisted growth and characterization of water-dispersed CdTe/CdS core-shell nanocrystals with high photoluminescence. *Journal of Physical Chemistry B*, **2006**, 110, 13370-4	3.4	170
7	Monodisperse Six-Armed Triazatruxenes: Microwave-Enhanced Synthesis and Highly Efficient Pure-Deep-Blue Electroluminescence. *Macromolecules*, **2006**, 39, 3707-3709	5.5	148
6	Synthesis of novel star-shaped carbazole-functionalized triazatruxenes. *Tetrahedron Letters*, **2006**, 47, 7089-7092	2	30
5	Smart Responsive Photoelectric Organic Modulator Integrated with Versatile Optoelectronic Characteristics. *Advanced Functional Materials*,2111276	15.6	3
4	3D Wearable Fabric-Based Micro-Supercapacitors with Ultra-High Areal Capacitance. *Advanced Functional Materials*,2107484	15.6	18
3	Constructing 3D Porous Current Collectors for Stable and Dendrite-Free Lithium Metal Anodes. *Advanced Sustainable Systems*,2200010	5.9	2
2	Mayer Rod-Coated Organic Light-Emitting Devices: Binary Solvent Inks, Film Topography Optimization, and Large-Area Fabrication. *Advanced Engineering Materials*,2101558	3.5	0
1	In-Depth Investigation of Inkjet-Printed Silver Electrodes over Large-Area: Ink Recipe, Flow, and Solidification. *Advanced Materials Interfaces*,2102548	4.6	5