Hong-Cheu Lin

List of Publications by Year
in descending order

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165 papers	4,827 citations	87843 38 h-index	138417 58 g-index
165 all docs	165 docs citations	165 times ranked	5506 citing authors

#	Article	IF	Citations
1	Novel pyrene- and anthracene-based Schiff base derivatives as Cu²⁺and Fe³⁺fluorescence turn-on sensors and for aggregation induced emissions. Journal of Materials Chemistry A, 2013, 1, 1310-1318.	5.2	245
2	Structure optimization of ruthenium photosensitizers for efficient dye-sensitized solar cells â€“ A goal toward a â€œbrightâ€•future. Coordination Chemistry Reviews, 2012, 256, 3008-3035.	9.5	152
3	Simple pyridyl-salicylimine-based fluorescence â€œturn-onâ€•sensors for distinct detections of Zn2+, Al3+ and OHâ^' ions in mixed aqueous media. Analyst, The, 2013, 138, 2931.	1.7	118
4	Hydrothermal synthesis of nonlinear optical potassium niobate ceramic powder. Materials Letters, 1998, 34, 172-176.	1.3	104
5	Tunable Novel Cyclopentadithiophene-Based Copolymers Containing Various Numbers of Bithiazole and Thienyl Units for Organic Photovoltaic Cell Applications. Macromolecules, 2009, 42, 3681-3693.	2.2	99
6	Novel Thieno-imidazole Based Probe for Colorimetric Detection of Hg²⁺ and Fluorescence Turn-on Response of Zn²⁺. Organic Letters, 2012, 14, 2564-2567.	2.4	93
7	Novel Self-Assembled Metallo-Homopolymers and Metallo-alt-copolymer Containing Terpyridyl Zinc(II) Moieties. Macromolecules, 2006, 39, 8559-8566.	2.2	85
8	A theranostic nrGO@MSN-ION nanocarrier developed to enhance the combination effect of sonodynamic therapy and ultrasound hyperthermia for treating tumor. Nanoscale, 2016, 8, 12648-12657.	2.8	81
9	Multi-Stimuli Responsive FRET Processes of Bifluorophoric AIEgens in an Amphiphilic Copolymer and Its Application to Cyanide Detection in Aqueous Media. ACS Applied Materials & Interfaces, 2020, 12, 10959-10972.	4.0	81
10	Novel Alternating Fluorene-Based Conjugated Polymers Containing Oxadiazole Pendants with Various Terminal Groups. Macromolecules, 2004, 37, 7945-7954.	2.2	80
11	Synthesis and Characterization of Poly(fluorene)-Based Copolymers Containing Various 1,3,4-Oxadiazole Dendritic Pendants. Macromolecules, 2006, 39, 4298-4305.	2.2	78
12	Synthesis and applications of novel acceptorâ€“donorâ€“acceptor organic dyes with dithienopyrrole- and fluorene-cores for dye-sensitized solar cells. Tetrahedron, 2011, 67, 303-311.	1.0	75
13	Novel pyrene containing monomeric and dimeric supramolecular AIEE active nano-probes utilized in selective â€œoffâ€“onâ€•trivalent metal and highly acidic pH sensing with live cell applications. Journal of Materials Chemistry C, 2016, 4, 2056-2071.	2.7	71
14	A facile ratiometric fluorescent chemodosimeter for hydrazine based on Ingâ€“Manske hydrazinolysis and its applications in living cells. Dyes and Pigments, 2014, 103, 9-20.	2.0	70
15	A new pyrene-based aggregation induced ratiometric emission probe for selective detections of trivalent metal ions and its living cell application. Sensors and Actuators B: Chemical, 2015, 207, 338-345.	4.0	67
16	Synthesis and applications of lowâ€bandgap conjugated polymers containing phenothiazine donor and various benzodiazole acceptors for polymer solar cells. Journal of Polymer Science Part A, 2010, 48, 4823-4834.	2.5	66
17	Synthesis and Characterization of Liquid Crystalline Molecules Containing the Quinoline Unit. Molecular Crystals and Liquid Crystals, 1996, 287, 177-181.	0.3	64
18	Synthesis and Characterization of Kinked and Hyperbranched Carbazole/Fluorene-Based Copolymers. Macromolecules, 2006, 39, 7232-7240.	2.2	63

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19	Solutionâ€Processed Smallâ€Molecule Bulk Heterojunction Ambipolar Transistors. Advanced Functional Materials, 2014, 24, 2057-2063.	7.8	62
20	Effect of polar substituents on the properties of 1,3,4-oxadiazole-based liquid crystalline materials containing asymmetric cores. Liquid Crystals, 2004, 31, 831-840.	0.9	58
21	Structural planarity and conjugation effects of novel symmetrical acceptorâ€“donorâ€“acceptor organic sensitizers on dye-sensitized solar cells. Dyes and Pigments, 2012, 93, 1488-1497.	2.0	57
22	Facile synthesis of composite tin oxide nanostructures for high-performance planar perovskite solar cells. Nano Energy, 2019, 60, 275-284.	8.2	57
23	Synthesis and characterization of light-emitting main-chain metallo-polymers containing bis-terpyridyl ligands with various lateral substituents. Journal of Polymer Science Part A, 2007, 45, 3243-3255.	2.5	53
24	Synthesis and characterization of novel lowâ€bandgap triphenylamineâ€based conjugated polymers with mainâ€chain donors and pendent acceptors for organic photovoltaics. Journal of Polymer Science Part A, 2010, 48, 5812-5823.	2.5	53
25	Broad Ranges and Fast Responses of Single-Component Blue-Phase Liquid Crystals Containing Banana-Shaped 1,3,4-Oxadiazole Cores. ACS Applied Materials & Interfaces, 2014, 6, 228-235.	4.0	52
26	Highly stretchable supramolecular conductive self-healable gels for injectable adhesive and flexible sensor applications. Journal of Materials Chemistry A, 2020, 8, 19954-19964.	5.2	52
27	A Novel Diketopyrrolopyrrole (DPP)-Based [2]Rotaxane for Highly Selective Optical Sensing of Fluoride. Organic Letters, 2013, 15, 1274-1277.	2.4	50
28	Synthesis of novel triarylamine-based dendrimers with N4,N6-dibutyl-1,3,5-triazine-4,6-diamine probe for electron/energy transfers in H-bonded donorâ€“acceptorâ€“donor triads and as efficient Cu2+ sensors. Journal of Materials Chemistry, 2012, 22, 8976.	6.7	49
29	Soluble narrowâ€bandâ€gap copolymers containing novel cyclopentadithiophene units for organic photovoltaic cell applications. Journal of Polymer Science Part A, 2009, 47, 2073-2092.	2.5	48
30	Heterocyclic benzothiazole-based liquid crystals: synthesis and mesomorphic properties. Liquid Crystals, 2009, 36, 917-925.	0.9	48
31	Synthesis of new schiff base ester liquid crystals with a benzothiazole core. Liquid Crystals, 2010, 37, 547-554.	0.9	48
32	Acid/Base and H₂PO₄^{â€“} Controllable High-Contrast Optical Molecular Switches with a Novel BODIPY Functionalized [2]Rotaxane. ACS Applied Materials & Interfaces, 2015, 7, 26491-26503.	4.0	47
33	Efficient bilayer polymer solar cells possessing planar mixed-heterojunction structures. Journal of Materials Chemistry, 2010, 20, 3295.	6.7	43
34	Highly Efficient FÃ¶rster Resonance Energy Transfer Modulations of Dual-AIEgens between a Tetraphenylethylene Donor and a Merocyanine Acceptor in Photo-Switchable [2]Rotaxanes and Reversible Photo-Patterning Applications. ACS Applied Materials & Interfaces, 2020, 12, 47921-47938.	4.0	43
35	Enhanced photovoltaic performance by synergism of light-cultivation and electronic localization for highly efficient dye-sensitized solar cells. Journal of Materials Chemistry, 2009, 19, 7036.	6.7	42
36	New SmCG Phases in a Hydrogen-Bonded Bent-Core Liquid Crystal Featuring a Branched Siloxane Terminal Group. Journal of the American Chemical Society, 2011, 133, 15674-15685.	6.6	42

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37	Synthesis and Characterization of Light-Emitting H-Bonded Complexes and Polymers Containing Bis(pyridyl) Emitting Acceptors. Macromolecules, 2006, 39, 557-568.	2.2	40
38	Synthesis and applications of 2,7â€carbazoleâ€based conjugated mainâ€chain copolymers containing electron deficient bithiazole units for organic solar cells. Journal of Polymer Science Part A, 2010, 48, 5479-5489.	2.5	40
39	Synthesis and applications of main-chain Ru(<scp>ii</scp>) metallo-polymers containing bis-terpyridyl ligands with various benzodiazole cores for solar cells. Journal of Materials Chemistry, 2011, 21, 1196-1205.	6.7	40
40	Naked eye and fluorescent detections of Hg2+ ions and Cysteine via J-aggregation and deaggregation of a perylene bisimide derivative. Sensors and Actuators B: Chemical, 2014, 194, 229-237.	4.0	40
41	Facile rhodamine-based colorimetric sensors for sequential detections of Cu(<scp>ii</scp>) ions and pyrophosphate (P₂O₇^{4â^'}) anions. RSC Advances, 2016, 6, 106631-106640.	1.7	40
42	Heterocyclic pyridine-based liquid crystals: synthesis and mesomorphic properties. Liquid Crystals, 2018, 45, 1574-1584.	0.9	40
43	Toward Optimization of Oligothiophene Antennas: New Ruthenium Sensitizers with Excellent Performance for Dye-Sensitized Solar Cells. Chemistry of Materials, 2010, 22, 4392-4399.	3.2	39
44	Synthesis and application of H-Bonded cross-linking polymers containing a conjugated pyridyl H-Acceptor side-chain polymer and various carbazole-based H-Donor dyes bearing symmetrical cyanoacrylic acids for organic solar cells. Polymer, 2010, 51, 6182-6192.	1.8	38
45	Monomeric and aggregation emissions of tetraphenylethene in a photo-switchable polymer controlled by cyclization of diarylethene and solvent conditions. Journal of Materials Chemistry C, 2017, 5, 9952-9962.	2.7	37
46	Synthesis of sulfone-substituted thiophene chromophores for second-order nonlinear optics. Tetrahedron Letters, 1996, 37, 7279-7282.	0.7	36
47	Synthesis and characterization of poly(fluorene-co-alt-phenylene) containing 1,3,4-oxadiazole dendritic pendants. Journal of Polymer Science Part A, 2006, 44, 6765-6774.	2.5	36
48	Fully self-healable, highly stretchable, and anti-freezing supramolecular gels for energy-harvesting triboelectric nanogenerator and self-powered wearable electronics. Nano Energy, 2021, 90, 106525.	8.2	36
49	A novel ball milling technique for room temperature processing of TiO₂ nanoparticles employed as the electron transport layer in perovskite solar cells and modules. Journal of Materials Chemistry A, 2018, 6, 7114-7122.	5.2	35
50	Synthesis and characterization of poly(fluorene)-based copolymers containing various 1,3,4-oxadiazole pendants. Journal of Polymer Science Part A, 2005, 43, 2700-2711.	2.5	33
51	Study of Supramolecular Side-Chain Copolymers Containing Light-Emitting H-Acceptors and Electron-Transporting Dendritic H-Donors. Macromolecules, 2008, 41, 9692-9703.	2.2	33
52	Self-Assembly of Tetraphenylethene-Based [2]Catenane Driven by Acidâ€“Base-Controllable Molecular Switching and Its Enabled Aggregation-Induced Emission. Organic Letters, 2014, 16, 5564-5567.	2.4	33
53	Green phosphorescent iridium dendrimers containing dendronized benzoimidazole-based ligands for OLEDs. Organic Electronics, 2008, 9, 557-568.	1.4	32
54	Mesogenic Schiff's base ether with dimethylamino end group. Phase Transitions, 2009, 82, 387-397.	0.6	32

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55	Synthesis and second-order nonlinearities of sulfonyl-substituted pyrrole imino dyes. Tetrahedron Letters, 1999, 40, 2157-2160.	0.7	31
56	Flexible Organic Thin Film Transistors Incorporating a Biodegradable CO2-Based Polymer as the Substrate and Dielectric Material. Scientific Reports, 2018, 8, 8146.	1.6	31
57	Metallo-homopolymer and metallo-copolymers containing light-emitting poly(fluorene/ethynylene/(terpyridyl)zinc(II)) backbones and 1,3,4-oxadiazole (OXD) pendants. Polymer, 2007, 48, 5268-5278.	1.8	29
58	Novel narrowâ€bandâ€gap conjugated copolymers containing phenothiazineâ€arylcyanovinyl units for organic photovoltaic cell applications. Journal of Polymer Science Part A, 2008, 46, 4285-4304.	2.5	29
59	Correlation between Exciton Lifetime Distribution and Morphology of Bulk Heterojunction Films after Solvent Annealing. Journal of Physical Chemistry C, 2010, 114, 9062-9069.	1.5	29
60	Supramolecular liquid crystals containing isoquinoline hydrogen-bonded acceptors. Liquid Crystals, 1999, 26, 613-618.	0.9	28
61	Self-healable and anti-freezing ion conducting hydrogel-based artificial bioelectronic tongue sensing toward astringent and bitter tastes. Biosensors and Bioelectronics, 2022, 198, 113811.	5.3	28
62	Highly branched green phosphorescent tris-cyclometalated iridium(III) complexes for solution-processed organic light-emitting diodes. Organic Electronics, 2009, 10, 594-606.	1.4	27
63	Novel dithieno-benzo-imidazole-based Pb2+ sensors: substituent effects on sensitivity and reversibility. Chemical Communications, 2012, 48, 5668.	2.2	26
64	Enhancement of photovoltaic properties in supramolecular polymer networks featuring a solar cell main-chain polymer H-bonded with conjugated cross-linkers. Polymer, 2012, 53, 1219-1228.	1.8	26
65	UV-enhanced room-temperature ultrasensitive NO gas sensor with vertical channel nano-porous organic diodes. Sensors and Actuators B: Chemical, 2020, 320, 128392.	4.0	26
66	Synthesis and Characterization of Rodâ^'Coil Polymers Based on Poly(ethylene oxide)s and Novel Luminescent Aromatic Cores. Macromolecules, 2006, 39, 3808-3816.	2.2	25
67	Synthesis and smectogenic properties of novel phloroglucinol-based star-shaped liquid crystals containing three peripheral alkyloxylated Schiff base arms. Liquid Crystals, 2013, 40, 516-527.	0.9	25
68	Supramolecular Side-Chain Liquid Crystalline Polymers with Various Kinked Pendant Groups. Macromolecules, 1998, 31, 7298-7311.	2.2	24
69	H-Bonded Effects on Novel Supramolecular Dendrimers Containing Electron-Transporting Donor Dendrons and Single/Double H-Bonded Acceptor Emitters. Macromolecules, 2006, 39, 7985-7997.	2.2	24
70	Synthesis and Mesomorphic Properties of 2-(4-Alkyloxyphenyl)benzothiazoles. Molecular Crystals and Liquid Crystals, 2009, 506, 56-70.	0.4	24
71	H-Bonded effects on supramolecular liquid crystalline trimers containing photoluminescent cores. Journal of Materials Chemistry, 2001, 11, 2958-2965.	6.7	23
72	Synthesis and characterization of H-bonded side-chain and crosslinking LC polymers containing donor/acceptor homopolymers and copolymers. Polymer, 2005, 46, 12146-12157.	1.8	23

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73	Synthesis, characterization, and photophysics of electroluminescent fluorene/dibenzothiophene- and fluorene/dibenzothiophene-S,S-dioxide-based main-chain copolymers bearing benzimidazole-based iridium complexes as backbones or dopants. Polymer, 2009, 50, 5945-5958.	1.8	23
74	Optimization of FRET Behavior in Photoswitchable [2]Rotaxanes Containing Bifluorophoric Naphthalimide Donor and Merocyanine Acceptor with Sensor Approaches toward Sulfite Detection. Chemistry of Materials, 2020, 32, 9371-9389.	3.2	23
75	Star-like fluorene based polyamines: non-conjugated building blocks for light-harvesting materials. Tetrahedron, 2006, 62, 3517-3522.	1.0	22
76	Configuration Effects of H-Bonded Sites and Rigid Core Lengths on H-Bonded Banana-Shaped Liquid Crystalline Supramolecules Consisting of Symmetric Trimers and Asymmetric Heterodimers. Journal of Physical Chemistry B, 2009, 113, 14648-14660.	1.2	22
77	An Unprecedentedly Huge Square-Grid Copper(II)â^'Organic Framework Material Built from a Bulky Pyrene-Derived Elongated Cross-Shaped Scaffold. Inorganic Chemistry, 2009, 48, 8650-8652.	1.9	22
78	Multi-stimuli responsive fluorescence of amphiphilic AIEgen copolymers for ultrafast, highly sensitive and selective copper ion detection in water. Sensors and Actuators B: Chemical, 2021, 344, 130241.	4.0	22
79	Preliminary communication A novel class of heterocyclic liquid crystals with broad smectic C phase. Liquid Crystals, 1997, 22, 661-667.	0.9	21
80	Synthesis and characterization of alternating fluorene-based copolymers containing diaryl- and non-substituted bithiophene units. Polymer, 2005, 46, 9810-9820.	1.8	21
81	Novel Supramolecular Side-Chain Banana-Shaped Liquid Crystalline Polymers Containing Covalent- and Hydrogen-Bonded Bent Cores. Macromolecules, 2010, 43, 1277-1288.	2.2	20
82	Enhanced light-harvesting capability by phenothiazine in ruthenium sensitizers with superior photovoltaic performance. Journal of Materials Chemistry, 2012, 22, 130-139.	6.7	20
83	Synthesis of Mainâ€Chain Metalloâ€Copolymers Containing Donor and Acceptor Bisâ€Terpyridyl Ligands for Photovoltaic Applications. Macromolecular Rapid Communications, 2012, 33, 528-533.	2.0	20
84	Novel Water-Soluble Cyclodextrin-Based Conjugated Polymer for Selective Hostâ€“Guest Interactions of Cationic Surfactant CTAB and Reverse FRET with Rhodamine B Tagged Adamantyl Guest. Macromolecules, 2016, 49, 5587-5598.	2.2	20
85	Synthesis and characterization of light-emitting oligo(p-phenylene-vinylene)s and polymeric derivatives containing three- and five-conjugated phenylene rings. Journal of Polymer Science Part A, 2006, 44, 783-800.	2.5	19
86	Shape and Confinement Effects of Various Terminal Siloxane Groups on Supramolecular Interactions of Hydrogen-Bonded Bent-Core Liquid Crystals. Chemistry of Materials, 2015, 27, 4525-4537.	3.2	19
87	Efficient FRET Approaches toward Copper(II) and Cyanide Detections via Hostâ€“Guest Interactions of Photo-Switchable [2]Pseudo-Rotaxane Polymers Containing Naphthalimide and Merocyanine Moieties. ACS Applied Materials & Interfaces, 2020, 12, 53257-53273.	4.0	19
88	Liquid crystal dimers containing Cholesteryl and Triazole-containing mesogenic units. Liquid Crystals, 2020, 47, 219-230.	0.9	18
89	Preliminary communication - The effects of bending sites on unconventionally shaped hydrogen-bonded liquid crystals. Liquid Crystals, 1998, 24, 315-323.	0.9	17
90	Synthesis and mesogenic properties of azo-dye liquid crystals. Liquid Crystals, 2000, 27, 707-709.	0.9	17

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91	Fused-ring and linking group effects of proton donors and acceptors on simple H-bonded liquid crystals. Liquid Crystals, 2000, 27, 1103-1112.	0.9	17
92	Study of supramolecular sideâ€chain and crossâ€linking polymers by complexation of various Hâ€donor acids with Hâ€acceptor copolymers containing pendent carbazole and fluorescent pyridyl units. Journal of Polymer Science Part A, 2009, 47, 2734-2753.	2.5	17
93	Electroluminescent main-chain copolymers containing phosphorescent benzimidazole-based iridium complexes as copolymerization backbone units or dopants. Polymer Chemistry, 2010, 1, 494-505.	1.9	17
94	Novel Reversible Chemosensory Material Based on Conjugated Side-Chain Polymer Containing Fluorescent Pyridyl Receptor Pendants. Journal of Physical Chemistry B, 2011, 115, 8845-8852.	1.2	17
95	Synthesis of novel platinum complex core as a selective Ag⁺ sensor and its H-bonded tetrads self-assembled with triarylamine dendrimers for electron/energy transfers. Journal of Materials Chemistry A, 2014, 2, 17463-17476.	5.2	17
96	Hydrogen-bonded bent-core blue phase liquid crystal complexes containing various molar ratios of proton acceptors and donors. RSC Advances, 2016, 6, 32319-32327.	1.7	17
97	Novel supramolecular conjugated polyrotaxane as an acid-base controllable optical molecular switch. Sensors and Actuators B: Chemical, 2017, 243, 84-95.	4.0	17
98	Pyrene-SH functionalized OTFT for detection of Hg2+ ions in aquatic environments. Organic Electronics, 2019, 69, 275-280.	1.4	17
99	Controllable FRET Behaviors of Supramolecular Hostâ€“Guest Systems as Ratiometric Aluminum Ion Sensors Manipulated by Tetraphenylethylene-Functionalized Macrocyclic Host Donor and Multistimuli-Responsive Fluorescein-Based Guest Acceptor. ACS Applied Materials & Interfaces, 2021, 13, 20662-20680.	4.0	17
100	Supramolecular assembly of Hâ€bonded sideâ€chain polymers containing conjugated pyridyl Hâ€acceptor pendants and various lowâ€bandâ€gap Hâ€donor dyes bearing cyanoacrylic acid groups for organic solar cell applications. Journal of Polymer Science Part A, 2009, 47, 5998-6013.	2.5	16
101	Supramolecular assembly of H-bonded copolymers/complexes/nanocomposites and fluorescence quenching effects of surface-modified gold nanoparticles on fluorescent copolymers containing pyridyl H-acceptors and acid H-donors. Journal of Materials Chemistry, 2009, 19, 4753.	6.7	16
102	Non-conventional three-armed star-shaped mesogens based on 1,3,5-trisubstituted benzene with azobenzene moieties at the periphery: synthesis, and mesomorphic behaviour. Liquid Crystals, 2014, 41, 1017-1033.	0.9	16
103	Synthesis of fluorinated benzotriazole (BTZ)- and benzodithiophene (BDT)-based low-bandgap conjugated polymers for solar cell applications. Dyes and Pigments, 2017, 139, 349-360.	2.0	16
104	Preliminary communication Properties of nonlinear supramolecular liquid crystals containing thiophenedicarboxylic acids. Liquid Crystals, 1998, 25, 277-283.	0.9	15
105	Novel synthesis of liquid crystalline compounds of 5-substituted 2-(4-alkylphenyl)pyridines. Tetrahedron Letters, 2001, 42, 2177-2179.	0.7	15
106	Efficient bulk heterjunction solar cells based on a low-bandgap polyfluorene copolymers and fullerene derivatives. Organic Electronics, 2009, 10, 1109-1115.	1.4	15
107	Synthesis and Characterization of Reversible Chemosensory Polymers: Modulation of Sensitivity through the Attachment of Novel Imidazole Pendants. Chemistry - A European Journal, 2012, 18, 16061-16072.	1.7	15
108	Host-guest interaction of rotaxane assembly through selective detection of ferric ion: Insight into hemin sensing and switching with sodium ascorbate. Dyes and Pigments, 2016, 131, 49-59.	2.0	15

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109	Exploration of Energy Modulations in Novel RhB-TPE-Based Bichromophoric Materials via Interactions of Cu²⁺ Ion under Various Semiaqueous and Micellar Conditions. ACS Applied Materials & Interfaces, 2016, 8, 6751-6762.	4.0	15
110	Application of stimuli-responsive FRET behavior toward cyanide detection in a photo-switchable [2]pseudorotaxane polymer containing the BODIPY donor and the merocyanine acceptor. Journal of Materials Chemistry C, 2021, 9, 2321-2333.	2.7	15
111	Mesogenic Schiff base esters with benzothiazole core: synthesis and phase transition studies. Phase Transitions, 2010, 83, 195-204.	0.6	14
112	Hydrogen-bonded effects on supramolecular blue phase liquid crystal dimeric complexes. RSC Advances, 2015, 5, 54629-54637.	1.7	14
113	Novel red and white PLED devices consisting of PVK blended with blue-emitting fluorene derivatives and carbazole dopants. Synthetic Metals, 2006, 156, 1155-1160.	2.1	13
114	Synthesis and characterization of liquid-crystalline block copolymers with cyanoterphenyl moieties by atom transfer radical polymerization. Journal of Polymer Science Part A, 2006, 44, 4593-4602.	2.5	13
115	Synthesis of novel dithienothiopheneâ€•and 2,7â€carbazoleâ€based conjugated polymers and Hâ€bonded effects on electrochromic and photovoltaic properties. Journal of Polymer Science Part A, 2012, 50, 5011-5022.	2.5	13
116	Alkyl chain self ordering, induction and suppression of mesophase by Cu(II) containing [1,2,3]-triazole-based bidentate salicylaldimine ligands: synthesis, characterisation and X-ray diffraction studies. Liquid Crystals, 2014, 41, 1897-1910.	0.9	13
117	Selfâ€assembly of Hâ€bonded sideâ€chain and crossâ€linking copolymers containing diblockâ€copolymeric donors and single/double Hâ€bonded lightâ€emitting acceptors. Journal of Polymer Science Part A, 2009, 47, 4685-4702.	2.5	12
118	Synthesis and Mesomorphic Properties of 6-Methoxy- and 6-Ethoxy-2-(2-Hydroxy-4-Alkanoyloxybenzylidenamino)Benzothiazoles. Molecular Crystals and Liquid Crystals, 2010, 528, 10-22.	0.4	12
119	Fine Tuning of HOMO Energy Levels for Low-Band-Gap Photovoltaic Copolymers Containing Cyclopentadithienopyrrole and Bithiazole Units. Macromolecular Chemistry and Physics, 2011, 212, 1960-1970.	1.1	12
120	Novel metallo-dendrimers containing various Ru core ligands and dendritic thiophene arms for photovoltaic applications. Polymer Chemistry, 2014, 5, 5423-5435.	1.9	12
121	Novel asymmetrical single- and double-chiral liquid crystal diads with wide blue phase ranges. RSC Advances, 2015, 5, 4615-4622.	1.7	12
122	Optical-switchable energy transfer controlled by multiple-responsive turn-on fluorescence via metalâ€“ligand and hostâ€“guest interactions in diarylethene-based [2]pseudo-rotaxane polymers. Materials Chemistry Frontiers, 2021, 5, 438-449.	3.2	12
123	Oxygen-Enriched Î±-MoO3â€“ nanobelts suppress lithium dendrite formation in stable lithium-metal batteries. Journal of Power Sources, 2021, 507, 230306.	4.0	12
124	Design, synthesis, photophysical, and electrochemical properties of DCMâ€based conjugated polymers for lightâ€emitting devices. Journal of Polymer Science Part A, 2012, 50, 3806-3818.	2.5	11
125	Synthesis and applications of cyanoâ€vinyleneâ€based polymers containing cyclopentadithiophene and dithienosilole units for photovoltaic cells. Journal of Polymer Science Part A, 2011, 49, 3417-3425.	2.5	10
126	Surface Modification of Gold Nanorods by Grafting Fluoreneâ€Based Conjugated Copolymers Containing Thiolâ€Pendants. Macromolecular Chemistry and Physics, 2012, 213, 1550-1558.	1.1	10

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127	Star-shaped self-assembly of an organic thin film transistor sensor in the presence of Cu2+ and CNâ^' ions. Organic Electronics, 2014, 15, 582-589.	1.4	10
128	Multi-stimuli-responsive high contrast fluorescence molecular controls with a far-red emitting BODIPY-based [2]rotaxane. Sensors and Actuators B: Chemical, 2018, 270, 382-395.	4.0	10
129	Acidâ€"base controllable nanostructures and the fluorescence detection of H₂PO₄^{â^'} by the molecular shuttling of tetraphenylethene-based [2]rotaxanes. Journal of Materials Chemistry C, 2021, 9, 3215-3228.	2.7	10
130	FRET processes of bi-fluorophoric sensor material containing tetraphenylethylene donor and optical-switchable merocyanine acceptor for lead ion (Pb2+) detection in semi-aqueous media. Dyes and Pigments, 2021, 189, 109238.	2.0	10
131	Polymeric dopant effects of bentâ€core covalentâ€bonded and hydrogenâ€bonded structures on bananaâ€shaped liquid crystalline complexes. Journal of Polymer Science Part A, 2010, 48, 764-774.	2.5	9
132	Synthesis, Characterization and Photophysical Properties of DCMâ€Based Lightâ€Harvesting Dendrimers. Macromolecular Chemistry and Physics, 2011, 212, 849-859.	1.1	9
133	Synthesis of novel supramolecular triads bearing a H-bonded perylene bisimide core. Tetrahedron, 2012, 68, 7926-7931.	1.0	9
134	A cyanide-responsive supramolecular nanovalve based on Pd(<scp>II</scp>)-templated pseudo-rotaxane. Journal of Materials Chemistry A, 2015, 3, 6414-6422.	5.2	9
135	Synthesis and characterization of light-emitting oligo(p-phenylene-vinylene)s and polymeric derivatives containing three- and five-conjugated phenylene rings. II. Electro-optical properties and optimization of PLED performance. Journal of Polymer Science Part A, 2006, 44, 2922-2936.	2.5	8
136	Applications of novel dithienothiophene- and 2,7-carbazole-based conjugated polymers with surface-modified ZnO nanoparticles for organic photovoltaic cells. Thin Solid Films, 2011, 519, 5212-5218.	0.8	8
137	Recoverable fluorescence chemosensors for Ni2+ ions based on hydrogen-bonded side-chain copolymers presenting pendent benzoic acid and pyridyl receptor units. Journal of Materials Chemistry, 2012, 22, 12358.	6.7	8
138	Stable organic thin film transducers for biochemical and label-free sensing under physiological conditions. Journal of Materials Chemistry, 2012, 22, 16506.	6.7	8
139	Synthesis and study of novel supramolecular nanocomposites containing aryl-imidazo-phenanthroline-based metallo-polymers (H-donors) and surface-modified ZnO nanoparticles (H-acceptors). Tetrahedron, 2013, 69, 293-301.	1.0	8
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