

Ling-Hai Xie

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h-index

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ext. papers

10,670
ext. citations

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#	Paper	IF	Citations
331	Nitrogen and sulfur codoped graphene: multifunctional electrode materials for high-performance li-ion batteries and oxygen reduction reaction. <i>Advanced Materials</i> , 2014 , 26, 6186-92	24	532
330	Black phosphorus quantum dots. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3653-7	16.4	491
329	Recent developments in top-emitting organic light-emitting diodes. <i>Advanced Materials</i> , 2010 , 22, 5227-32	32	250
328	Polyfluorene-based semiconductors combined with various periodic table elements for organic electronics. <i>Progress in Polymer Science</i> , 2012 , 37, 1192-1264	29.6	244
327	An effective Friedel-Crafts postfunctionalization of poly(N-vinylcarbazole) to tune carrier transportation of supramolecular organic semiconductors based on pi-stacked polymers for nonvolatile flash memory cell. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2120-1	16.4	197
326	Bulk heterojunction polymer memory devices with reduced graphene oxide as electrodes. <i>ACS Nano</i> , 2010 , 4, 3987-92	16.7	195
325	A Significantly Twisted Spirocyclic Phosphine Oxide as a Universal Host for High-Efficiency Full-Color Thermally Activated Delayed Fluorescence Diodes. <i>Advanced Materials</i> , 2016 , 28, 3122-30	24	178
324	A facile and universal top-down method for preparation of monodisperse transition-metal dichalcogenide nanodots. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5425-8	16.4	156
323	Coating two-dimensional nanomaterials with metal-organic frameworks. <i>ACS Nano</i> , 2014 , 8, 8695-701	16.7	141
322	Stretchable Organic Semiconductor Devices. <i>Advanced Materials</i> , 2016 , 28, 9243-9265	24	139
321	Fluorene-substituted pyrenes—Novel pyrene derivatives as emitters in nondoped blue OLEDs. <i>Organic Electronics</i> , 2006 , 7, 155-162	3.5	137
320	Nanoionics-Enabled Memristive Devices: Strategies and Materials for Neuromorphic Applications. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600510	6.4	123
319	Unexpected one-pot method to synthesize spiro[fluorene-9,9'oxanthene] building blocks for blue-light-emitting materials. <i>Organic Letters</i> , 2006 , 8, 2787-90	6.2	122
318	Benzoxazole and benzimidazole heterocycle-grafted graphene for high-performance supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23439		112
317	A single phosphine oxide host for high-efficiency white organic light-emitting diodes with extremely low operating voltages and reduced efficiency roll-off. <i>Advanced Materials</i> , 2011 , 23, 2491-6	24	109
316	Self-assembled chiral nanofibers from ultrathin low-dimensional nanomaterials. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1565-71	16.4	105
315	Multilayer stacked low-temperature-reduced graphene oxide films: preparation, characterization, and application in polymer memory devices. <i>Small</i> , 2010 , 6, 1536-42	11	104

314	Small-Molecule-Based Organic Field-Effect Transistor for Nonvolatile Memory and Artificial Synapse. <i>Advanced Functional Materials</i> , 2019 , 29, 1904602	15.6	102
313	Controllable Organic Resistive Switching Achieved by One-Step Integration of Cone-Shaped Contact. <i>Advanced Materials</i> , 2017 , 29, 1701333	24	94
312	A Rational Molecular Design of π -Phase Polydiarylfluorenes: Synthesis, Morphology, and Organic Lasers. <i>Macromolecules</i> , 2014 , 47, 1001-1007	5.5	93
311	A small change in molecular structure, a big difference in the AIEE mechanism. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 5289-96	3.6	93
310	Efficient 9-alkylphenyl-9-pyrenylfluorene substituted pyrene derivatives with improved hole injection for blue light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2006 , 16, 4074		91
309	Harmonizing Triplet Level and Ambipolar Characteristics of Wide-Gap Phosphine Oxide Hosts toward Highly Efficient and Low Driving Voltage Blue and Green PHOLEDs: An Effective Strategy Based on Spiro-Systems. <i>Chemistry of Materials</i> , 2011 , 23, 5331-5339	9.6	87
308	Facile synthesis of spirocyclic aromatic hydrocarbon derivatives based on o-halobiaryl route and domino reaction for deep-blue organic semiconductors. <i>Organic Letters</i> , 2009 , 11, 3850-3	6.2	87
307	Preparation and Characterization of Polyfluorene-Based Supramolecular π -Conjugated Polymer Gels. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4418-4424	3.8	79
306	Supramolecular π -Stacking Pyrene-Functioned Fluorenes: Toward Efficient Solution-Processable Small Molecule Blue and White Organic Light Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4641-4647	3.8	78
305	Facile synthesis of complicated 9,9-diarylfluorenes based on BF ₃ .Et ₂ O-mediated Friedel-Crafts reaction. <i>Organic Letters</i> , 2006 , 8, 3701-4	6.2	76
304	Black Phosphorus Quantum Dots. <i>Angewandte Chemie</i> , 2015 , 127, 3724-3728	3.6	73
303	Chemoselective photodeoxidation of graphene oxide using sterically hindered amines as catalyst: synthesis and applications. <i>ACS Nano</i> , 2012 , 6, 3027-33	16.7	73
302	Kinetically controlled assembly of a spirocyclic aromatic hydrocarbon into polyhedral micro/nanocrystals. <i>ACS Nano</i> , 2012 , 6, 5309-19	16.7	72
301	Chemically engineered graphene oxide as high performance cathode materials for Li-ion batteries. <i>Carbon</i> , 2014 , 76, 148-154	10.4	67
300	Spiro[fluorene-9,9'-xanthene]-based hole transporting materials for efficient perovskite solar cells with enhanced stability. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 100-110	7.8	67
299	Synergistic Effects of Self-Doped Nanostructures as Charge Trapping Elements in Organic Field Effect Transistor Memory. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18969-77	9.5	67
298	Di-Spiro-Based Hole-Transporting Materials for Highly Efficient Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1800809	21.8	67
297	A novel graphene-polysulfide anode material for high-performance lithium-ion batteries. <i>Scientific Reports</i> , 2013 , 3, 2341	4.9	66

296	Light programmable/erasable organic field-effect transistor ambipolar memory devices based on the pentacene/PVK active layer. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5220-5225	7.1	64
295	Dumbbell-Shaped Spirocyclic Aromatic Hydrocarbon to Control Intermolecular π -Stacking Interaction for High-Performance Nondoped Deep-Blue Organic Light-Emitting Devices. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2849-2853	6.4	64
294	A π -Conjugated polymer gelator from polyfluorene-based poly(tertiary alcohol) via the hydrogen-bonded supramolecular functionalization. <i>Polymer Chemistry</i> , 2013 , 4, 477-483	4.9	62
293	Solution-Processed Wide-Bandgap Organic Semiconductor Nanostructures Arrays for Nonvolatile Organic Field-Effect Transistor Memory. <i>Small</i> , 2018 , 14, 1701437	11	61
292	A Highly Crystalline and Wide-Bandgap Polydiarylfuorene with π -Phase Conformation toward Stable Electroluminescence and Dual Amplified Spontaneous Emission. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21648-55	9.5	59
291	Photophysical and Fluorescence Anisotropic Behavior of Polyfluorene π -Conformation Films. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 364-372	6.4	57
290	Efficient and stable deep blue polymer light-emitting devices based on π -phase poly(9,9-dioctylfluorene). <i>Applied Physics Letters</i> , 2013 , 103, 153301	3.4	57
289	A Centimeter-Scale Inorganic Nanoparticle Superlattice Monolayer with Non-Close-Packing and its High Performance in Memory Devices. <i>Advanced Materials</i> , 2018 , 30, e1800595	24	57
288	More than Restriction of Twisted Intramolecular Charge Transfer: Three-Dimensional Expanded #-Shaped Cross-Molecular Packing for Emission Enhancement in Aggregates. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 12187-12195	3.8	56
287	MicroRNA-124 regulates the expression of p62/p38 and promotes autophagy in the inflammatory pathogenesis of Parkinson's disease. <i>FASEB Journal</i> , 2019 , 33, 8648-8665	0.9	55
286	Photocontrolled molecular structural transition and doping in graphene. <i>ACS Nano</i> , 2012 , 6, 8878-86	16.7	54
285	Topological Arrangement of Fluorenyl-Substituted Carbazole Triads and Starbursts: Synthesis and Optoelectronic Properties. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6961-6967	3.8	54
284	Restriction of photoinduced twisted intramolecular charge transfer. <i>ChemPhysChem</i> , 2011 , 12, 397-404	3.2	54
283	H-shaped oligofluorenes for highly air-stable and low-threshold non-doped deep blue lasing. <i>Advanced Materials</i> , 2014 , 26, 2937-42	24	53
282	Spirocyclic aromatic hydrocarbon-based organic nanosheets for eco-friendly aqueous processed thin-film non-volatile memory devices. <i>Advanced Materials</i> , 2013 , 25, 3664-9	24	53
281	Spirocyclic Aromatic Hydrocarbons (SAHs) and their Synthetic Methodologies. <i>Current Organic Chemistry</i> , 2010 , 14, 2169-2195	1.7	53
280	Novel h-shaped persistent architecture based on a dispiro building block system. <i>Organic Letters</i> , 2006 , 8, 1363-6	6.2	52
279	Formation of graphene oxide gel via the π -stacked supramolecular self-assembly. <i>RSC Advances</i> , 2012 , 2, 12204	3.7	51

278	Non-Conjugated Polymer as an Efficient Dopant-Free Hole-Transporting Material for Perovskite Solar Cells. <i>ChemSusChem</i> , 2017 , 10, 2578-2584	8.3	50
277	Synthesis and Crystal Structure of Highly Strained [4]Cyclofluorene: Green-Emitting Fluorophore. <i>Organic Letters</i> , 2016 , 18, 172-5	6.2	50
276	From Dark TICT State to Emissive quasi-TICT State: The AIE Mechanism of N-(3-(benzo[d]oxazol-2-yl)phenyl)-4-tert-butylbenzamide. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2133-2141	3.8	49
275	High-Performance Nonvolatile Organic Field-Effect Transistor Memory Based on Organic Semiconductor Heterostructures of Pentacene/P13/Pentacene as Both Charge Transport and Trapping Layers. <i>Advanced Science</i> , 2017 , 4, 1700007	13.6	49
274	Ultrastable Supramolecular Self-Encapsulated Wide-Bandgap Conjugated Polymers for Large-Area and Flexible Electroluminescent Devices. <i>Advanced Materials</i> , 2019 , 31, e1804811	24	48
273	Diarylfuorene-based nano-molecules as dopant-free hole-transporting materials without post-treatment process for flexible p-i-n type perovskite solar cells. <i>Nano Energy</i> , 2018 , 46, 241-248	17.1	46
272	Hindrance-Functionalized π -Stacked Polymer Host Materials of the Cardo-Type Carbazolefluorene Hybrid for Solution-Processable Blue Electrophosphorescent Devices. <i>Macromolecules</i> , 2011 , 44, 4589-4595	5.5	42
271	Low-temperature molten salt synthesis of MoS@CoS heterostructures for efficient hydrogen evolution reaction. <i>Chemical Communications</i> , 2020 , 56, 5548-5551	5.8	39
270	Stereoselective photoredox ring-opening polymerization of O-carboxyanhydrides. <i>Nature Communications</i> , 2018 , 9, 1559	17.4	39
269	Organic radical functionalized graphene as a superior anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9164	13	39
268	The effect of porous structure of PMMA tunneling dielectric layer on the performance of nonvolatile floating-gate organic field-effect transistor memory devices. <i>Organic Electronics</i> , 2016 , 33, 95-101	3.5	38
267	An effective strategy to tune supramolecular interaction via a spiro-bridged spacer in oligothiophene-S,S-dioxides and their anomalous photoluminescent behavior. <i>Organic Letters</i> , 2007 , 9, 1619-22	6.2	38
266	Synthesis of Fluoren-9-ones and Ladder-Type Oligo-p-phenylene Cores via Pd-Catalyzed Carbonylative Multiple C-C Bond Formation. <i>Organic Letters</i> , 2015 , 17, 2106-9	6.2	37
265	A 3-dimensional spiro-functionalized platinum(II) complex to suppress intermolecular π - π and Pt \cdots Pt supramolecular interactions for a high-performance electrophosphorescent device. <i>Chemical Communications</i> , 2012 , 48, 3854-6	5.8	37
264	Spiro-functionalized Ligand with Supramolecular Steric Hindrance to Control π -Interaction in the Iridium Complex for High-Performance Electrophosphorescent Devices. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 272-276	6.4	37
263	Pyrene functioned diarylfuorenes as efficient solution processable light emitting molecular glass. <i>Organic Electronics</i> , 2009 , 10, 256-265	3.5	37
262	Downregulated lncRNA-SNHG1 enhances autophagy and prevents cell death through the miR-221/222/p27/mTOR pathway in Parkinson's disease. <i>Experimental Cell Research</i> , 2019 , 384, 111614	4.2	36
261	Hydrogen-bonded supramolecular conjugated polymer nanoparticles for white light-emitting devices. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 895-900	4.8	36

260	Light-Tunable Nonvolatile Memory Characteristics in Photochromic RRAM. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600416	6.4	36
259	A highly sensitive fluorescent sensor based on small molecules doped in electrospun nanofibers: detection of explosives as well as color modulation. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8193-8199 ⁷⁻¹	7.1	35
258	Host Exciton Confinement for Enhanced Förster-Transfer-Blend Gain Media Yielding Highly Efficient Yellow-Green Lasers. <i>Advanced Functional Materials</i> , 2018 , 28, 1705824	15.6	35
257	Fluorene-based macromolecular nanostructures and nanomaterials for organic (opto)electronics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20120337 ³	3.7	35
256	Steric-Hindrance-Functionalized Polydiarylfluorenes: Conformational Behavior, Stabilized Blue Electroluminescence, and Efficient Amplified Spontaneous Emission. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37856-37863	9.5	34
255	Label-Free Dynamic Detection of Single-Molecule Nucleophilic-Substitution Reactions. <i>Nano Letters</i> , 2018 , 18, 4156-4162	11.5	34
254	Kinetically Controlled, Scalable Synthesis of FeOOH Nanosheet Arrays on Nickel Foam toward Efficient Oxygen Evolution: The Key Role of In-Situ-Generated NiOOH. <i>Advanced Materials</i> , 2021 , 33, e2005587	24	34
253	Dipole Moment Effect of Cyano-Substituted Spirofluorenes on Charge Storage for Organic Transistor Memory. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 18014-18021	3.8	33
252	One-pot, aqueous-phase synthesis of graphene oxide functionalized with heterocyclic groups to give increased solubility in organic solvents. <i>RSC Advances</i> , 2013 , 3, 45-49	3.7	33
251	4,5-Diazafluorene-Based Donor-Acceptor Small Molecules as Charge Trapping Elements for Tunable Nonvolatile Organic Transistor Memory. <i>Advanced Science</i> , 2018 , 5, 1800747	13.6	33
250	Effect of thickness of polymer electret on charge trapping properties of pentacene-based nonvolatile field-effect transistor memory. <i>Organic Electronics</i> , 2017 , 43, 222-228	3.5	32
249	Describing curved-planar π -interactions: modeled by corannulene, pyrene and coronene. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 12694-701	3.6	32
248	Diarylfuorene-Modified Fulleropyrrolidine Acceptors to Tune Aggregate Morphology for Solution-Processable Polymer/Fullerene Bulk-Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8881-8887	3.8	32
247	A π -stacked and conjugated hybrid based on poly(N-vinylcarbazole) postfunctionalized with terfluorene for stable deep-blue hole-transporting materials. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 5221-5229	2.5	32
246	A Facile and Universal Top-Down Method for Preparation of Monodisperse Transition-Metal Dichalcogenide Nanodots. <i>Angewandte Chemie</i> , 2015 , 127, 5515-5518	3.6	31
245	The mechanical bending effect and mechanism of high performance and low-voltage flexible organic thin-film transistors with a cross-linked PVP dielectric layer. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2998-3004	7.1	31
244	Photophysical and electroluminescent properties of a Series of Monochromatic red-emitting europium-complexed nonconjugated copolymers based on diphenylphosphine oxide modified polyvinylcarbazole. <i>Polymer</i> , 2011 , 52, 804-813	3.9	31
243	π -Conjugation-interrupted hyperbranched polymer electrets for organic nonvolatile transistor memory devices. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3738-3743	7.1	29

242	Toward Eco-friendly Green Organic Semiconductors: Recent Advances in Spiro[fluorene-9,9'-xanthene] (SFX)-Based Optoelectronic Materials and Devices. <i>Chinese Journal of Chemistry</i> , 2015 , 33, 815-827	4.9	29
241	Emission Enhanced and Stabilized by Stereoisomeric Strategy in Hierarchical Uniform Supramolecular Framework. <i>CheM</i> , 2019 , 5, 2470-2483	16.2	28
240	Hereditary Character of Alkyl-Chain Length Effect on β Phase Conformation from Polydialkylfluorenes to Bulky Polydiarylfluorenes. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19087-19096	3.8	28
239	Thermostability, Photoluminescence, and Electrical Properties of Reduced Graphene Oxide/Carbon Nanotube Hybrid Materials. <i>Crystals</i> , 2013 , 3, 28-37	2.3	28
238	Thin-film organic semiconductor devices: from flexibility to ultraflexibility. <i>Science China Materials</i> , 2016 , 59, 589-608	7.1	27
237	A bulky pyridinylfluorene-functionalizing approach to synthesize diarylfluorene-based bipolar host materials for efficient red, green, blue and white electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3482	7.1	27
236	Electrical characteristics and carrier transport mechanisms of write-once-read-many-times memory elements based on graphene oxide diodes. <i>Journal of Applied Physics</i> , 2011 , 110, 063709	2.5	27
235	An efficient synthesis of novel spiro[[8H]indeno[2,1-b]-thiophene-8,9'-fluorene] building block for blue light-emitting materials. <i>Tetrahedron Letters</i> , 2006 , 47, 6421-6424	2	27
234	Redox-crosslinked graphene networks with enhanced electrochemical capacitance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12924	13	26
233	A new spiro[fluorene-9,9'-xanthene]-based host material possessing no conventional hole- and electron-transporting units for efficient and low voltage blue PHOLED via simple two-step synthesis. <i>Organic Electronics</i> , 2012 , 13, 2741-2746	3.5	26
232	One-pot synthesis of 2-bromo-4,5-diazafluoren-9-one via a tandem oxidation/bromination-rearrangement of phenanthroline and its hammer-shaped donor-acceptor organic semiconductors. <i>Tetrahedron</i> , 2011 , 67, 1977-1982	2.4	26
231	Electrospun fluorescent sensors for the selective detection of nitro explosive vapors and trace water. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18543-18550	13	26
230	Friedel-Crafts bottom-up synthesis of fluorene-based soluble luminescent organic nanogrids. <i>Organic Letters</i> , 2014 , 16, 1748-51	6.2	25
229	Controllable Multiple Depression in a Graphene Oxide Artificial Synapse. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600244	6.4	25
228	Hyperbranched framework of interrupted β -conjugated polymers end-capped with high carrier-mobility moieties for stable light-emitting materials with low driving voltage. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 6451-6462	2.5	25
227	Dimerization effect of fluorene-based semiconductors on conformational planarization for microcrystal lasing. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5345-5355	7.1	24
226	$\text{BF}_3 \cdot \text{Et}_2\text{O}$ -mediated Friedel-Crafts C-H bond polymerization to synthesize β -conjugation-interrupted polymer semiconductors. <i>Polymer Chemistry</i> , 2011 , 2, 2179	4.9	24
225	Synthesis and characterization of diazafluorene-based oligofluorenes and polyfluorene. <i>Polymer Chemistry</i> , 2013 , 4, 1796	4.9	23

- 224 Molecule Length Directed Self-Assembly Behavior of Tetratopic Oligomeric PhenyleneEthynylenes End-Capped with Carboxylic Groups by Scanning Tunneling Microscopy. *Journal of Physical Chemistry C*, **2010**, 114, 9931-9937 3.8 23
- 223 Low temperature growth of graphene on Cu-Ni alloy nanofibers for stable, flexible electrodes. *Nanoscale*, **2014**, 6, 5110-5 7.7 22
- 222 Solution-processed diarylfluorene derivatives for violet-blue amplified spontaneous emission and electroluminescence. *Journal of Materials Chemistry C*, **2017**, 5, 9903-9910 7.1 22
- 221 Palladium-catalyzed direct arylation of C-H bond to construct quaternary carbon centers: the synthesis of diarylfluorene. *Organic Letters*, **2013**, 15, 3102-5 6.2 22
- 220 Stable hole-transporting molecular glasses based on complicated 9,9-diarylfluorenes (CDAFs). *Synthetic Metals*, **2009**, 159, 1055-1060 3.6 22
- 219 Stimuli-Responsive Memristive Materials for Artificial Synapses and Neuromorphic Computing. *Advanced Materials*, **2021**, 33, e2006469 24 22
- 218 A High Performance Deep Blue Organic Laser Gain Material. *Advanced Optical Materials*, **2017**, 5, 1601008.1 21
- 217 Revealing the interactions between pentagon-octagon-pentagon defect graphene and organic donor/acceptor molecules: a theoretical study. *Physical Chemistry Chemical Physics*, **2015**, 17, 4919-25 3.6 21
- 216 Nondoped deep-blue spirofluorenexanthene-based green organic semiconductors (GOS) via a pot, atom and step economic (PASE) route combining direct arylation with tandem reaction. *Journal of Materials Chemistry C*, **2015**, 3, 94-99 7.1 21
- 215 Facile synthesis of shape and size tunable porphyrinoid coordination polymers: from copper porphyrin nanoplates to microspindles. *Chemical Communications*, **2011**, 47, 5055-7 5.8 21
- 214 Rectification-Regulated Memristive Characteristics in Electron-Type CuPc-Based Element for Electrical Synapse. *Advanced Electronic Materials*, **2017**, 3, 1700063 6.4 20
- 213 Hierarchical Uniform Supramolecular Conjugated Spherulites with Suppression of Defect Emission. *IScience*, **2019**, 16, 399-409 6.1 20
- 212 Solvent and Steric Hindrance Effects of Bulky Poly(9,9-diarylfluorene)s on Conformation, Gelation, Morphology, and Electroluminescence. *Macromolecular Chemistry and Physics*, **2015**, 216, 1043-1054 2.6 20
- 211 Stable pure-blue polymer light-emitting devices based on Ephase poly(9,9-dioctylfluorene) induced by 1,2-dichloroethane. *Applied Physics Express*, **2014**, 7, 101601 2.4 20
- 210 Halogen bonding in the co-crystallization of potentially ditopic diiodotetrafluorobenzene: a powerful tool for constructing multicomponent supramolecular assemblies. *National Science Review*, **2020**, 7, 1906-1932 10.8 20
- 209 Supramolecular PolymerMolecule Complexes as Gain Media for Ultraviolet Lasers. *ACS Macro Letters*, **2016**, 5, 967-971 6.6 20
- 208 SMART Design of a Bulk-Capped Supramolecular Segment for the Assembly into Organic Interdigital Lipid Bilayer-Like (ILB) Nanosheets. *Small*, **2018**, 14, 1703151 11 19
- 207 Temperature dependence of resistive switching behaviors in resistive random access memory based on graphene oxide film. *Nanotechnology*, **2014**, 25, 185202 3.4 19

206	Conformational Effect of Polymorphic Terfluorene on Photophysics, Crystal Morphologies, and Lasing Behaviors. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 14803-14810	3.8	19
205	Reversible Optical and Electrical Switching of Air-Stable OFETs for Nonvolatile Multi-Level Memories and Logic Gates. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500230	6.4	19
204	Understanding the molecular gelation processes of heteroatomic conjugated polymers for stable blue polymer light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6762-6770	7.1	18
203	Excimer-based white electroluminescence from supramolecular bulk effects of dumbbell-shaped molecules via attractor-repulsor molecular design. <i>Organic Electronics</i> , 2017 , 43, 87-95	3.5	18
202	Progress in fluorene-based wide-bandgap steric semiconductors. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 155-170	3.5	18
201	Molecularly designed N, S co-doped carbon nanowalls decorated on graphene as a highly efficient sulfur reservoir for LiB batteries: a supramolecular strategy. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5449-5457	13	18
200	Systematic investigation of self-organization behavior in supramolecular conjugated polymer for multi-color electroluminescence. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1535-1542	7.1	18
199	Long-Term Homeostatic Properties Complementary to Hebbian Rules in CuPc-Based Multifunctional Memristor. <i>Scientific Reports</i> , 2016 , 6, 35273	4.9	18
198	Stability improvement in flexible low-voltage organic field-effect transistors with complementary polymeric dielectrics. <i>Organic Electronics</i> , 2019 , 65, 259-265	3.5	18
197	C-H Direct Arylated 6H-Indolo[2,3-b]quinoxaline Derivative as a Thickness-Dependent Hole-Injection Layer. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 920-926	4.5	17
196	A photo-stable and electrochemically stable poly(dumbbell-shaped molecules) for blue electrophosphorescent host materials. <i>Polymer Chemistry</i> , 2015 , 6, 983-988	4.9	17
195	Side-chain Engineering of Benzo[1,2-b:4,5-b']dithiophene Core-structured Small Molecules for High-Performance Organic Solar Cells. <i>Scientific Reports</i> , 2016 , 6, 25355	4.9	17
194	Universal Strategy for Cheap and Color-Stable Single-EML WOLEDs Utilizing Two Complementary-Color Nondoped Emitters without Energy Transfer. <i>Advanced Optical Materials</i> , 2014 , 2, 938-944	8.1	17
193	A Monochloro Copper Phthalocyanine Memristor with High-Temperature Resilience for Electronic Synapse Applications. <i>Advanced Materials</i> , 2021 , 33, e2006201	24	17
192	Floating-gate nanofibrous electret arrays for high performance nonvolatile organic transistor memory devices. <i>Organic Electronics</i> , 2017 , 49, 218-225	3.5	16
191	Dumbbell effects of solution-processed pyrene-based organic semiconductors on electronic structure, morphology and electroluminescence. <i>Synthetic Metals</i> , 2015 , 200, 135-142	3.6	16
190	Spiro[fluorene-9,9'-xanthene]-based universal hosts for understanding structure-property relationships in RGB and white PhOLEDs. <i>RSC Advances</i> , 2015 , 5, 29828-29836	3.7	16
189	Novel electron acceptor based on spiro[fluorene-9,9'-xanthene] for exciplex thermally activated delayed fluorescence. <i>Dyes and Pigments</i> , 2018 , 149, 422-429	4.6	16

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