

Ling-Hai Xie

List of Publications by Year in Descending Order

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

331
papers

9,421
citations

52
h-index

83
g-index

361
ext. papers

10,670
ext. citations

6.7
avg, IF

6.06
L-index

#	Paper	IF	Citations
331	Cross-Scale Synthesis of Organic High- Semiconductors Based on Spiro-Gridized Nanopolymers.. <i>Research</i> , 2022 , 2022, 9820585	7.8	1
330	Gridization-Driven Mesoscale Self-assembly of Conjugated Nanopolymers into Luminescence-anisotropic Photonic Crystals.. <i>Advanced Materials</i> , 2022 , e2109399	24	3
329	Phenothiazine dioxide end-capped spiro[fluorene-9,9'- xanthene] as host for efficient blue TADF OLEDs. <i>Journal of Luminescence</i> , 2022 , 243, 118595	3.8	
328	Finely tuning electronic and steric structures of spiro[fluorene-9,9'-xanthene] (SFX)-based emitters by isomerization strategy towards efficient electroluminescence. <i>Dyes and Pigments</i> , 2022 , 198, 110035	4.6	0
327	Single-Molecule Junction: A Reliable Platform for Monitoring Molecular Physical and Chemical Processes.. <i>ACS Nano</i> , 2022 ,	16.7	6
326	Enhancing the Deep-Blue Emission Property of Wide Bandgap Conjugated Polymers through a Self-Cross-Linking Strategy. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2283-2293	4.3	2
325	Cubic Nanogrids for Counterbalance Contradiction among Reorganization Energy, Strain Energy, and Wide Bandgap.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 4297-4308	6.4	0
324	Spiro-based diamond-type nanogrids (DGs) two ways: ABCA + BC type gridization of vertical spiro-based fluorene synthons. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 10408-10416	3.9	0
323	Covalent nanosynthesis of fluorene-based macrocycles and organic nanogrids. <i>Organic and Biomolecular Chemistry</i> , 2021 ,	3.9	2
322	Stimuli-Responsive Memristive Materials for Artificial Synapses and Neuromorphic Computing (Adv. Mater. 46/2021). <i>Advanced Materials</i> , 2021 , 33, 2170364	24	
321	Research Progress of Hole Transport Materials Based on Spiro Aromatic-Skeleton in Perovskite Solar Cells. <i>Acta Chimica Sinica</i> , 2021 , 79, 1181	3.3	0
320	Organic Micro-/Nanocrystals of SFX-Based AttractorRepulsor Molecules with the Feature of Crystal-Induced Luminescence Enhancement. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 6249-6259	3.8	2
319	Origin of Intramolecular Low-Threshold Amplified Spontaneous Emission. <i>Advanced Optical Materials</i> , 2021 , 9, 2001956	8.1	0
318	Electrospun Supramolecular Hybrid Microfibers from Conjugated Polymers: Color Transformation and Conductivity Evolution. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021 , 39, 824-830	3.5	3
317	Stimuli-Responsive Memristive Materials for Artificial Synapses and Neuromorphic Computing. <i>Advanced Materials</i> , 2021 , 33, e2006469	24	22
316	Diarylfuorene Flexible Pendant Functionalization of Polystyrene for Efficient and Stable Deep-Blue Polymer Light-Emitting Diodes. <i>Macromolecules</i> , 2021 , 54, 6525-6533	5.5	6
315	Long-Range Ordered Hierarchical Structure Assisted by the Side-Oligoether Network in Light-Emitting Conjugated Polymer for an Efficient Deep-Blue Organic Laser. <i>Chemistry of Materials</i> , 2021 , 33, 5326-5336	9.6	5

314	Highly efficient exciplex-emission from spiro[fluorene-9,9'-xanthene] derivatives. <i>Dyes and Pigments</i> , 2021 , 185, 108894	4.6	4
313	Supramolecular Non-Helical One-Dimensional Channels and Microtubes Assembled from Enantiomers of DifluorenoI. <i>Angewandte Chemie</i> , 2021 , 133, 4025-4029	3.6	1
312	Supramolecular Non-Helical One-Dimensional Channels and Microtubes Assembled from Enantiomers of DifluorenoI. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3979-3983	16.4	0
311	A Monochloro Copper Phthalocyanine Memristor with High-Temperature Resilience for Electronic Synapse Applications. <i>Advanced Materials</i> , 2021 , 33, e2006201	24	17
310	One-Pot Synthesis of Spiro[fluorene-9,9'-xanthene] Derivatives. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 701-709	4.9	1
309	An eco-friendly nitrate-free method for the synthesis of silver nanowires with reduced diameters. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 1874-1879	7.1	2
308	Self-Assembly and Polymorphic Transformation of Butterfly-Shaped Organic Nanocrystals from a Windmill-like Bulky Small Molecule. <i>Crystal Growth and Design</i> , 2021 , 21, 1113-1121	3.5	1
307	Thin-film transistors for emerging neuromorphic electronics: fundamentals, materials, and pattern recognition. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 11464-11483	7.1	8
306	Iodide ion receptors: shape-persistent macrocycles of syn/anti configurations. <i>New Journal of Chemistry</i> , 2021 , 45, 6796-6802	3.6	1
305	Recent Advances in Substituent Effects of Blue Thermally Activated Delayed Fluorescence Small Molecules. <i>Acta Chimica Sinica</i> , 2021 , 79, 557	3.3	6
304	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
303	Tuning stimulated emission properties of oligofluorene-based gain media via non-conjugation strategy. <i>Dyes and Pigments</i> , 2021 , 186, 109037	4.6	0
302	Photoexcitation Dynamics of ThiopheneFluorene Fluorophore in Matrix Encapsulation for Deep-Blue Amplified Spontaneous Emission. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1306-1313	4.3	3
301	A Bio-Inspired Molecular Design Strategy toward 2D Organic Semiconductor Crystals with Superior Integrated Optoelectronic Properties. <i>Small</i> , 2021 , 17, e2102060	11	4
300	Diarylfuorene-Based Organic Semiconductor Materials toward Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2105092	15.6	5
299	The coordinated tuning optical, electrical and thermal properties of spiro-configured phenyl acridophosphine oxide and sulfide for host materials. <i>Organic Electronics</i> , 2021 , 95, 106193	3.5	1
298	Organophosphine-Sandwiched Copper Iodide Cluster Enables Charge Trapping. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24894-24900	16.4	2
297	Signal Filtering Enabled by Spike Voltage-Dependent Plasticity in Metalloporphyrin-Based Memristors. <i>Advanced Materials</i> , 2021 , 33, e2104370	24	8

296	Stereoisomer-Independent Stable Blue Emission in Axial Chiral Difluorene. <i>Frontiers in Chemistry</i> , 2021 , 9, 717892	5	
295	Covalently binding ultrafine MoS ₂ particles to N, S co-doped carbon renders excellent Na storage performances. <i>Carbon</i> , 2021 , 184, 177-185	10.4	5
294	Intrinsically stretchable conjugated polymers for flexible optoelectronic devices. <i>Science Bulletin</i> , 2021 , 66, 2162-2164	10.6	1
293	Molecular conformational transition of chiral conjugated enantiomers dominated by Wallach's rule. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 6991-6995	7.1	0
292	Wide-bandgap organic nanocrystals with high mobility and tunable lasing emission. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 3171-3176	7.1	4
291	A small molecule with a big scissoring effect: sodium dodecyl sulfate working on two-dimensional metal-organic frameworks. <i>CrystEngComm</i> , 2021 , 23, 1360-1365	3.3	4
290	Synthesis and Application of Cyclopentadithiophene Derivatives. <i>Acta Chimica Sinica</i> , 2021 , 79, 953	3.3	3
289	A 9-fluorenyl substitution strategy for aromatic-imide-based TADF emitters towards efficient and stable sky blue OLEDs with nearly 30% external quantum efficiency. <i>Materials Advances</i> , 2021 , 2, 4000-4008	2.3	5
288	Simultaneous and Significant Improvements in Efficiency and Stability of Deep-Blue Organic Light Emitting Diodes through Friedel-Crafts Arylmethylation of a Fluorophore. <i>ChemPhotoChem</i> , 2020 , 4, 318-318	3.3	
287	Non-Conjugated Polymer Based on Polyethylene Backbone as Dopant-Free Hole-Transporting Material for Efficient and Stable Inverted Quasi-2D Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000184	7.1	9
286	Flexible Metal-Free Memory Electronic Made of π -Conjugation-Interrupted Hyperbranched Polymer Switch and Reduced Graphene Oxide Electrodes. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 2000050	3.9	2
285	Nonplanar Perylene Diimide-Based Small Molecule and Its Polymer as Electron Acceptors. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2749-2755	4.3	4
284	Charge trapping in the films blended with polystyrene and different cyano-substituted spirofluorenes organic small molecules. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	2
283	Effect of Solvent on the Solution State of Conjugated Polymer P7DPF Including Single-Chain to Aggregated State Structure Formation, Dynamic Evolution, and Related Mechanisms. <i>Macromolecules</i> , 2020 , 53, 4264-4273	5.5	9
282	Molecular Weight Induced Conformational Change and Its Impact on π -Phase Formation of Polydiarylfluorene in Dilute Solution. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 6304-6310	3.8	3
281	Low-temperature molten salt synthesis of MoS ₂ @CoS heterostructures for efficient hydrogen evolution reaction. <i>Chemical Communications</i> , 2020 , 56, 5548-5551	5.8	39
280	Diastereoisomer-Induced Morphology Tunable Self-Assembled Organic Microcrystals of Conjugated Molecules for Ultraviolet Laser. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1902057	4.6	5
279	Hierarchical Uniform Crystalline Nanowires of Wide Bandgap Conjugated Polymer for Light-Emitting Optoelectronic Devices. <i>Cell Reports Physical Science</i> , 2020 , 1, 100029	6.1	7

278	Isolated asymmetric bilateral steric conjugated polymers with thickness-independent emission for efficient and stable light-emitting optoelectronic devices. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5064-5070 ³	7.1	3
277	Multifunctional Polymer Memory via Bi-Interfacial Topography for Pressure Perception Recognition. <i>Advanced Science</i> , 2020 , 7, 1902864	13.6	9
276	The Dimensionality Transition between Three-Dimensional and Two-Dimensional Organic Microcrystals: Specific Symmetry and Selective Adhesion. <i>ACS Omega</i> , 2020 , 5, 3749-3754	3.9	2
275	Steric Poly(diarylfluorene-co-benzothiadiazole) for Efficient Amplified Spontaneous Emission and Polymer Light-Emitting Diodes: Benefit from Preventing Interchain Aggregation and Polaron Formation. <i>Advanced Optical Materials</i> , 2020 , 8, 1901616	8.1	5
274	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
273	Stereoselective gridization and polygridization with centrosymmetric molecular packing. <i>Nature Communications</i> , 2020 , 11, 1756	17.4	12
272	Unveiling the Effects of Interchain Hydrogen Bonds on Solution Gelation and Mechanical Properties of Diarylfluorene-Based Semiconductor Polymers. <i>Research</i> , 2020 , 2020, 3405826	7.8	11
271	Conjugated Regulation of Phosphorescent Iridium (III) Complex Constructed from Spiro Ligand and Its Electroluminescent Performances. <i>Acta Chimica Sinica</i> , 2020 , 78, 56	3.3	6
270	Cyano-substituted Spiro[fluorine-9,9oxanthene] Derivatives: Exciplex Emission and Property Manipulation. <i>Acta Chimica Sinica</i> , 2020 , 78, 680	3.3	2
269	Matrix Encapsulation of Solution-Processed Thiophene-Based Fluorophores for Enhanced Red and Green Amplified Spontaneous Emission. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 1900493 ^{2.5}	2.5	6
268	Nanogridarene: A Rising Nanomolecular Integration Platform of Organic Intelligence. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 103-105	4.9	6
267	Simultaneous and Significant Improvements in Efficiency and Stability of Deep-Blue Organic Light Emitting Diodes through Friedel-Crafts Arylmethylation of a Fluorophore. <i>ChemPhotoChem</i> , 2020 , 4, 321-326	3.3	7
266	Bulky 9-phenylfluorene functionalized 2,6-bis(N-carbazolyl)-pyridine with high triplet energy level as host for blue thermally activated delayed fluorescence devices. <i>Dyes and Pigments</i> , 2020 , 175, 108127	4.6	5
265	Intrinsic mechanical properties of the polymeric semiconductors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11631-11637	7.1	5
264	Synthesis and optoelectronic properties of spirofluorenexanthene-based carbazole host materials. <i>New Journal of Chemistry</i> , 2020 , 44, 13439-13445	3.6	1
263	Halogen bonding in the co-crystallization of potentially ditopic diiodotetrafluorobenzene: a powerful tool for constructing multicomponent supramolecular assemblies. <i>National Science Review</i> , 2020 , 7, 1906-1932	10.8	20
262	Tristetraprolin destabilizes NOX2 mRNA and protects dopaminergic neurons from oxidative damage in Parkinson disease. <i>FASEB Journal</i> , 2020 , 34, 15047-15061	0.9	5
261	Injection and Retention Characterization of Trapped Charges in Electret Films by Electrostatic Force Microscopy and Kelvin Probe Force Microscopy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020 , 217, 2000190	1.6	3

260	Deep-Blue Thiophene-Based Steric Oligomers as a Low-Threshold Laser Gain and Host Material. <i>Advanced Optical Materials</i> , 2020 , 8, 1902163	8.1	8
259	Enhanced emission in organic nanocrystals via asymmetrical design of spirocyclic aromatic hydrocarbons. <i>Nanoscale</i> , 2020 , 12, 9964-9968	7.7	6
258	Small-Molecule-Based Organic Field-Effect Transistor for Nonvolatile Memory and Artificial Synapse. <i>Advanced Functional Materials</i> , 2019 , 29, 1904602	15.6	102
257	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
256	An eco-friendly water-assisted polyol method to enhance the aspect ratio of silver nanowires. <i>RSC Advances</i> , 2019 , 9, 1933-1938	3.7	13
255	An Overview of Molecular Packing Mode in Two-Dimensional Organic Nanomaterials via Supramolecular Assembly. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 405-416	4.9	3
254	A convenient one-pot nanosynthesis of a C(sp)-C(sp)-linked 3D grid via an A + B approach. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 6574-6579	3.9	6
253	Hierarchical Uniform Supramolecular Conjugated Spherulites with Suppression of Defect Emission. <i>iScience</i> , 2019 , 16, 399-409	6.1	20
252	Tetracyano-substituted spiro[fluorene-9,9'-xanthene] as electron acceptor for exciplex thermally activated delayed fluorescence. <i>Journal of Molecular Structure</i> , 2019 , 1196, 132-138	3.4	5
251	Substituent effects on fluorene-based linear supramolecular polymerization. <i>Supramolecular Chemistry</i> , 2019 , 31, 391-401	1.8	
250	A novel structure of grid spirofluorene: a new organic semiconductor with low reorganization energy. <i>New Journal of Chemistry</i> , 2019 , 43, 7790-7796	3.6	9
249	Bulky diphenylamine functionalized spiro[fluorene-9,9'-xanthene] based solution-processible small molecule host in red PhOLEDs for investigating structure-property relationship. <i>Dyes and Pigments</i> , 2019 , 168, 228-234	4.6	8
248	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
247	A tricolour photodetecting memory device based on lead sulfide colloidal quantum dots floating gate. <i>Organic Electronics</i> , 2019 , 75, 105111	3.5	6
246	Supramolecular steric hindrance effect on morphologies and photophysical behaviors of spirocyclic aromatic hydrocarbon nanocrystals. <i>Nanoscale</i> , 2019 , 11, 5158-5162	7.7	7
245	Asymmetric Molecular Conformation of Steric Terfluorene toward Constructing Polyhedral Microcrystals for Deep-Blue Lasers. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 10000-10006	3.8	3
244	Synthesis of Donor-Acceptor Gridarenes with Tunable Electronic Structures for Synaptic Learning Memristor. <i>ACS Omega</i> , 2019 , 4, 5863-5869	3.9	13
243	Solution-processible 1,3,4-oxadiazole/spiro[fluorene-9,9'-xanthene] hybrid as efficient host for green thermally activated delayed fluorescence devices. <i>Dyes and Pigments</i> , 2019 , 166, 168-173	4.6	12

242	Photophysical Identification of Three Kinds of Low-Energy Green Band Defects in Wide-Bandgap Polyfluorenes. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 2789-2795	2.8	5
241	A Comparison Study of Physicochemical Properties and Stabilities of H-Shaped Molecule and the Corresponding Polymer. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019 , 37, 11-17	3.5	3
240	Bay-annulated indigo derivatives based on a core of spiro[fluorene-9,9'-xanthene]: Synthesis, photophysical, and electrochemical properties. <i>Dyes and Pigments</i> , 2019 , 160, 25-27	4.6	7
239	Synthesis, characterization and charge storage properties of β -indolo[2,3-b]quinoxaline for solution-processing organic transistor memory. <i>Dyes and Pigments</i> , 2019 , 167, 255-261	4.6	9
238	A long-cycling anode based on a coral-like Sn nanostructure with a binary binder. <i>Chemical Communications</i> , 2019 , 55, 10460-10463	5.8	10
237	Polydiarylfuorene Molecular Weight Effects on π -Conformation Formation for Amplified Spontaneous Emission for Optoelectronic Applications. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2352-2359	4.3	1
236	Conjugated Nanopolymer Based on a Nanogrid: Approach toward Stable Polyfluorene-Type Fluorescent Emitter for Blue Polymer Light-Emitting Diodes. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2441-2449	4.3	8
235	Emission Enhanced and Stabilized by Stereoisomeric Strategy in Hierarchical Uniform Supramolecular Framework. <i>Chem</i> , 2019 , 5, 2470-2483	16.2	28
234	Superelectrophilic-Initiated C-H Functionalization at the β -Position of Thiophenes: A One-Pot Synthesis of β -Stereospecific Saddle-Shaped Cyclic Compounds. <i>Journal of Organic Chemistry</i> , 2019 , 84, 10701-10709	4.2	5
233	Theoretical Studies on Novel Gridspiroarenes: Structures, Noncovalent Interactions and Reorganization Energies. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 915-921	4.9	3
232	Highly Emissive Hierarchical Uniform Dialkylfluorene-Based Dimer Microcrystals for Ultraviolet Organic Laser. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 28881-28886	3.8	5
231	Green-synthesized, low-cost tetracyanodiazafuorene (TCAF) as electron injection material for organic light-emitting diodes. <i>Chinese Chemical Letters</i> , 2019 , 30, 1969-1973	8.1	5
230	Alkyl-chain branched effect on the aggregation and photophysical behavior of polydiarylfuorenes toward stable deep-blue electroluminescence and efficient amplified spontaneous emission. <i>Chinese Chemical Letters</i> , 2019 , 30, 1959-1964	8.1	6
229	Effect of Solvents on the Solution State and Film Condensed State Structures of a Polyfluorene Conjugated Polymer in the Dynamic Evolution Process from Solution to Film. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 27317-27326	3.8	7
228	Effect of solvent aromaticity on poly(9,9-dioctylfluorene) (PFO) chain solution behavior and film condensed state structure. <i>Polymer</i> , 2019 , 185, 121986	3.9	7
227	Theoretical studies on 4H-cyclopenta[2,1-b:3,4-b']dithiophene-based Windmill-shaped nanogrids with low reorganization energies. <i>Chemical Physics</i> , 2019 , 516, 191-198	2.3	7
226	Ultrastable Supramolecular Self-Encapsulated Wide-Bandgap Conjugated Polymers for Large-Area and Flexible Electroluminescent Devices. <i>Advanced Materials</i> , 2019 , 31, e1804811	24	48
225	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

224	Organic non-volatile memory based on pentacene/tris(8-hydroxy quinoline) aluminum heterojunction transistor. <i>Organic Electronics</i> , 2018 , 57, 335-340	3.5	13
223	Catalyst-free photocyclization for the synthesis of spiro-fused aromatic organic semiconductor based on SFX. <i>Tetrahedron</i> , 2018 , 74, 2063-2067	2.4	3
222	2D Nanocrystals: SMART Design of a Bulk-Capped Supramolecular Segment for the Assembly into Organic Interdigital Lipid Bilayer-Like (ILB) Nanosheets (Small 6/2018). <i>Small</i> , 2018 , 14, 1870027	11	
221	Stereoselective photoredox ring-opening polymerization of O-carboxyanhydrides. <i>Nature Communications</i> , 2018 , 9, 1559	17.4	39
220	Lasing: Host Exciton Confinement for Enhanced Förster-Transfer-Blend Gain Media Yielding Highly Efficient Yellow-Green Lasers (Adv. Funct. Mater. 17/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870115	15.6	1
219	Excellent Charge-Storage Properties of Polystyrene/SFXs Electret Films by Repeated Contact with an AFM Probe. <i>Physica Status Solidi (B): Basic Research</i> , 2018 , 255, 1700611	1.3	3
218	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
217	Synergistic steric pairing effects of terfluorenes with ternary side groups on E-conformation transition: experiments and computations. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1551-1561	7.1	5
216	Molecular Dual-Rotators with Large Consecutive Emission Chromism for Visualized and High-Pressure Sensing. <i>ACS Omega</i> , 2018 , 3, 717-723	3.9	1
215	SMART Design of a Bulk-Capped Supramolecular Segment for the Assembly into Organic Interdigital Lipid Bilayer-Like (ILB) Nanosheets. <i>Small</i> , 2018 , 14, 1703151	11	19
214	Wafer-Scale Ultrathin Two-Dimensional Conjugated Microporous Polymers: Preparation and Application in Heterostructure Devices. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 4010-4017	9.5	10
213	Systematic investigation of self-organization behavior in supramolecular E-conjugated polymer for multi-color electroluminescence. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1535-1542	7.1	18
212	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
211	Photophysical and Fluorescence Anisotropic Behavior of Polyfluorene E-Conformation Films. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 364-372	6.4	57
210	Spiro-substitution effect of terfluorenes on amplified spontaneous emission and lasing behaviors. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4501-4507	7.1	6
209	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
208	Organic nanosynthesis of diarylfuorene-based ladder-type gridarene isomers via intramolecular A1-B1 type Friedel-Crafts gridization. <i>Tetrahedron</i> , 2018 , 74, 5833-5838	2.4	5
207	Self-Assembly Rules of Dumbbell-Shaped Molecules and Their Effect on Morphology and Photophysical Behaviors of Micro/Nanocrystals. <i>Crystal Growth and Design</i> , 2018 , 18, 4822-4828	3.5	9

206	Label-Free Dynamic Detection of Single-Molecule Nucleophilic-Substitution Reactions. <i>Nano Letters</i> , 2018 , 18, 4156-4162	11.5	34
205	Controllable supramolecular chain aggregation through nano-steric hindrance functionalization for multi-color larger-area electroluminescence. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7018-7023	7.1	8
204	Solution-Processed Wide-Bandgap Organic Semiconductor Nanostructures Arrays for Nonvolatile Organic Field-Effect Transistor Memory. <i>Small</i> , 2018 , 14, 1701437	11	61
203	Organic Synthesis of Ancient Windmill-Like Window Nanogrid at Molecular Scale. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 7009-7016	3.2	6
202	Transistor Memory: 4,5-Diazafluorene-Based Donor-Acceptor Small Molecules as Charge Trapping Elements for Tunable Nonvolatile Organic Transistor Memory (Adv. Sci. 12/2018). <i>Advanced Science</i> , 2018 , 5, 1870074	13.6	1
201	Hydrogen-bonded-assisted supramolecular microwires for pure violet lasers: benefits of preventing intermolecular π -stacking and aggregation in single crystals. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 2307-2312	7.8	15
200	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
199	miR-497/Wnt3a/c-jun feedback loop regulates growth and epithelial-to-mesenchymal transition phenotype in glioma cells. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 985-991	7.9	11
198	Efficient emissive fluorene-based π -conjugated porous materials for near-white electroluminescence: benefits of metal-free Friedel-Crafts green polymerization. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 11968-11971	7.1	3
197	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
196	Exploring side-chain length effect on β -phase of polyfluorene derivatives in electrospinning and their optical behavior. <i>Polymer</i> , 2018 , 153, 338-343	3.9	12
195	Polyfluorene (PF) Single-Chain Conformation, β -Conformation, and Its Stability and Chain Aggregation by Side-Chain Length Change in the Solution Dynamic Process. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14814-14826	3.8	15
194	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
193	Di-Spiro-Based Hole-Transporting Materials for Highly Efficient Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1800809	21.8	67
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