

# Meng-Na Yu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Photophysical and Fluorescence Anisotropic Behavior of Polyfluorene $\hat{\Gamma}^2$ -Conformation Films. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 364-372.	4.6	74
2	Ultrastable Supramolecular Self-Encapsulated Wide-Bandgap Conjugated Polymers for Large Area and Flexible Electroluminescent Devices. <i>Advanced Materials</i> , 2019, 31, e1804811.	21.0	72
3	A Highly Crystalline and Wide-Bandgap Polydiarylfuorene with $\hat{\Gamma}^2$ -Phase Conformation toward Stable Electroluminescence and Dual Amplified Spontaneous Emission. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21648-21655.	8.0	68
4	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.	16.0	54
5	Emission Enhanced and Stabilized by Stereoisomeric Strategy in Hierarchical Uniform Supramolecular Framework. <i>CheM</i> , 2019, 5, 2470-2483.	11.7	45
6	Steric-Hindrance-Functionalized Polydiarylfuorenes: Conformational Behavior, Stabilized Blue Electroluminescence, and Efficient Amplified Spontaneous Emission. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 37856-37863.	8.0	43
7	Hereditary Character of Alkyl-Chain Length Effect on $\hat{\Gamma}^2$ -Phase Conformation from Polydialkylfuorenes to Bulky Polydiarylfuorenes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19087-19096.	3.1	33
8	Hierarchical Uniform Supramolecular Conjugated Spherulites with Suppression of Defect Emission. <i>IScience</i> , 2019, 16, 399-409.	4.1	30
9	Solution-processed diarylfuorene derivatives for violet-blue amplified spontaneous emission and electroluminescence. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9903-9910.	5.5	29
10	Unveiling the Effects of Interchain Hydrogen Bonds on Solution Gelation and Mechanical Properties of Diarylfuorene-Based Semiconductor Polymers. <i>Research</i> , 2020, 2020, 3405826.	5.7	29
11	Supramolecular Polymer-Molecule Complexes as Gain Media for Ultraviolet Lasers. <i>ACS Macro Letters</i> , 2016, 5, 967-971.	4.8	28
12	Progress in fluorene-based wide-bandgap steric semiconductors. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 155-170.	3.8	27
13	Conformational Effect of Polymorphic Terfluorene on Photophysics, Crystal Morphologies, and Lasing Behaviors. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14803-14810.	3.1	25
14	Systematic investigation of self-organization behavior in supramolecular $\hat{\Gamma}^2$ -conjugated polymer for multi-color electroluminescence. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1535-1542.	5.5	24
15	Polyfluorene (PF) Single-Chain Conformation, $\hat{\Gamma}^2$ 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.	3.1	20
16	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.	5.5	19
17	Atomic-resolved hierarchical structure of elastic $\hat{\Gamma}^2$ -conjugated molecular crystal for flexible organic photonics. <i>CheM</i> , 2022, 8, 1427-1441.	11.7	19
18	Heteroatomic Conjugated Polymers and the Spectral Tuning of Electroluminescence via a Supramolecular Coordination Strategy. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1807-1813.	3.9	18

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19	A polyhedral supramolecular system of endocyclic crystalline organic nanostructures: the case of triptycenes. <i>CrystEngComm</i> , 2015, 17, 1448-1452.	2.6	17
20	A robust and soluble nanopolymer based on molecular grid-based nanomonomer. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 87-97.	3.8	17
21	Hydrogen-bonded-assisted supramolecular microwires for pure violet lasers: benefits of preventing intermolecular $\pi$ - $\pi$ stacking and aggregation in single crystals. <i>Materials Chemistry Frontiers</i> , 2018, 2, 2307-2312.	5.9	17
22	Nondilute 1,2-dichloroethane solution of poly(9,9-dioctylfluorene-2,7-diyl): A study on the aggregation process. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016, 34, 1311-1318.	3.8	16
23	Intrinsic mechanical properties of the polymeric semiconductors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11631-11637.	5.5	15
24	Exploring side-chain length effect on $\beta$ -phase of polyfluorene derivatives in electrospinning and their optical behavior. <i>Polymer</i> , 2018, 153, 338-343.	3.8	13
25	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.	4.4	12
26	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.	3.1	12
27	A Bio-Inspired Molecular Design Strategy toward 2D Organic Semiconductor Crystals with Superior Integrated Optoelectronic Properties. <i>Small</i> , 2021, 17, e2102060.	10.0	12
28	Facile brush-coated $\beta$ -phase poly(9,9-dioctylfluorene) films for efficient and stable pure-blue polymer light-emitting diodes. <i>Organic Electronics</i> , 2019, 75, 105380.	2.6	11
29	Supramolecular steric hindrance effect on morphologies and photophysical behaviors of spirocyclic aromatic hydrocarbon nanocrystals. <i>Nanoscale</i> , 2019, 11, 5158-5162.	5.6	11
30	Hierarchical Uniform Crystalline Nanowires of Wide Bandgap Conjugated Polymer for Light-Emitting Optoelectronic Devices. <i>Cell Reports Physical Science</i> , 2020, 1, 100029.	5.6	11
31	Deep-Blue Thiophene-Based Steric Oligomers as a Low-Threshold Laser Gain and Host Material. <i>Advanced Optical Materials</i> , 2020, 8, 1902163.	7.3	11
32	Organic Micro-/Nanocrystals of SFX-Based Attractor-Repulsor Molecules with the Feature of Crystal-Induced Luminescence Enhancement. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6249-6259.	3.1	11
33	3D Steric Bulky Semiconductor Molecules toward Organic Optoelectronic Nanocrystals. , 2021, 3, 1799-1818.		10
34	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.	5.5	9
35	One-step preparation of conjugated homopolymer sub-microspheres via a controllable supramolecular approach toward optoelectronic applications. <i>RSC Advances</i> , 2017, 7, 14688-14693.	3.6	8
36	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.	2.5	8

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37	Wide-bandgap organic nanocrystals with high mobility and tunable lasing emission. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3171-3176.	5.5	8
38	Slow Energy Transfer in Self-Doped $\hat{\imath}^2$ -Conformation Film of Steric Polydiarylflorenes toward Stable Deep-Blue Amplified Spontaneous Emission. <i>Advanced Optical Materials</i> , 2022, 10, 2100723.	7.3	8
39	Synergistic steric pairing effects of terfluorenes with ternary side groups on $\hat{\imath}^2$ -conformation transition: experiments and computations. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1551-1561.	5.5	7
40	Alkyl-chain branched effect on the aggregation and photophysical behavior of polydiarylflorenes toward stable deep-blue electroluminescence and efficient amplified spontaneous emission. <i>Chinese Chemical Letters</i> , 2019, 30, 1959-1964.	9.0	7
41	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.	5.5	7
42	Steric Poly(diarylflorene- <i>co</i> - <i>i</i> -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.	7.3	7
43	Polydiarylflorene Molecular Weight Effects on $\hat{\imath}^2$ -Conformation Formation for Amplified Spontaneous Emission for Optoelectronic Applications. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2352-2359.	4.4	6
44	Highly Emissive Hierarchical Uniform Dialkylfluorene-Based Dimer Microcrystals for Ultraviolet Organic Laser. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28881-28886.	3.1	6
45	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.	2.4	6
46	Diastereoisomer-Induced Morphology Tunable Self-Assembled Organic Microcrystals of Conjugated Molecules for Ultraviolet Laser. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902057.	3.7	6
47	Enhanced emission in organic nanocrystals via asymmetrical design of spirocyclic aromatic hydrocarbons. <i>Nanoscale</i> , 2020, 12, 9964-9968.	5.6	6
48	Efficient emissive fluorene-based $\pi$ -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.	5.5	5
49	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.	3.8	5
50	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.	3.8	5
51	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.	3.1	3
52	Molecular conformational transition of chiral conjugated enantiomers dominated by Wallach's rule. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6991-6995.	5.5	2
53	Stereoisomer-Independent Stable Blue Emission in Axial Chiral Difluorene. <i>Frontiers in Chemistry</i> , 2021, 9, 717892.	3.6	0
54	SMART design to control over conformation and molecular packing in blue luminescent oligofluorenes. , 2018, , .		0