

Yingfeng Tu

List of Publications by Year in descending order

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79
papers

2,854
citations

218677

26
h-index

182427

51
g-index

80
all docs

80
docs citations

80
times ranked

3943
citing authors

#	ARTICLE	IF	CITATIONS
1	A Giant Surfactant of Polystyrene ⁺ (Carboxylic Acid-Functionalized Polyhedral Oligomeric) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 the American Chemical Society, 2010, 132, 16741-16744.	13.7	235
2	Fullerene derivative anchored SnO ₂ for high-performance perovskite solar cells. Energy and Environmental Science, 2018, 11, 3463-3471.	30.8	205
3	Self-Assembled Nanostructure of a Novel Coil ⁺ Rod Diblock Copolymer in Dilute Solution. Journal of the American Chemical Society, 2000, 122, 10201-10205.	13.7	187
4	Perforated Layer Structures in Liquid Crystalline Rod ⁺ Coil Block Copolymers. Journal of the American Chemical Society, 2005, 127, 15481-15490.	13.7	124
5	Clicking ⁺ Fullerene with Polymers: A Synthesis of [60]Fullerene End-Capped Polystyrene. Macromolecules, 2008, 41, 515-517.	4.8	118
6	2D MXene-containing polymer electrolytes for all-solid-state lithium metal batteries. Nanoscale Advances, 2019, 1, 395-402.	4.6	117
7	N- and O-doped carbonaceous nanotubes from polypyrrole for potential application in high-performance capacitance. Journal of Power Sources, 2014, 247, 660-666.	7.8	100
8	A Porphyrin ⁺ Fullerene Dyad with a Supramolecular ⁺ Double ⁺ Cable ⁺ Structure as a Novel Electron Acceptor for Bulk Heterojunction Polymer Solar Cells. Advanced Materials, 2011, 23, 2951-2956.	21.0	83
9	A bio-inspired homogeneous graphene oxide actuator driven by moisture gradients. Chemical Communications, 2018, 54, 3126-3129.	4.1	79
10	Controlling Blend Film Morphology by Varying Alkyl Side Chain in Highly Coplanar Donor ⁺ Acceptor Copolymers for Photovoltaic Application. Macromolecules, 2011, 44, 6370-6381.	4.8	73
11	Reducing Energy Disorder in Perovskite Solar Cells by Chelation. Journal of the American Chemical Society, 2022, 144, 5400-5410.	13.7	72
12	Synthesis and characterization of poly(ethylene terephthalate-co-1,4-cyclohexanedimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 3.6	3.6	69
13	Hierarchical structure and polymorphism of a sphere-cubic shape amphiphile based on a polyhedral oligomeric silsesquioxane ⁺ [60]fullerene conjugate. Journal of Materials Chemistry, 2011, 21, 14240.	6.7	67
14	Confined Assembly of Hollow Carbon Spheres in Carbonaceous Nanotube: A Spheres ⁺ in ⁺ Tube Carbon Nanostructure with Hierarchical Porosity for High ⁺ Performance Supercapacitor. Small, 2018, 14, e1704015.	10.0	64
15	Supramolecular [60]Fullerene Liquid Crystals Formed By Self ⁺ Organized Two ⁺ Dimensional Crystals. Angewandte Chemie - International Edition, 2015, 54, 114-117.	13.8	56
16	Synthesis and characterization of polymer grafted graphene oxide sheets using a Ce(IV)/HNO ₃ redox system in an aqueous solution. Carbon, 2013, 53, 269-276.	10.3	54
17	Self-Assembled Nanostructures of Rod ⁺ Coil Diblock Copolymers with Different Rod Lengths. Macromolecules, 2003, 36, 6565-6569.	4.8	49
18	Graphene oxide/poly (N-isopropylacrylamide) hybrid film-based near-infrared light-driven bilayer actuators with shape memory effect. Sensors and Actuators B: Chemical, 2018, 255, 2971-2978.	7.8	48

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19	Liquid Crystalline and Shear-Induced Properties of an Aqueous Solution of Graphene Oxide Sheets. <i>Langmuir</i> , 2013, 29, 8103-8107.	3.5	46
20	N- and O-doped hollow carbonaceous spheres with hierarchical porous structure for potential application in high-performance capacitance. <i>Journal of Power Sources</i> , 2017, 363, 356-364.	7.8	45
21	Glass transition temperature of cyclic polystyrene and the linear counterpart contamination effect. <i>Polymer</i> , 2019, 170, 198-203.	3.8	45
22	Nitroxide-mediated "living" free radical synthesis of novel rod-coil diblock copolymers with polystyrene and mesogen-jacketed liquid-crystal polymer segments. <i>Polymer International</i> , 2000, 49, 243-247.	3.1	44
23	"Clicking" graphite oxide sheets with well-defined polystyrenes: A new Strategy to control the layer thickness. <i>Polymer</i> , 2011, 52, 3046-3052.	3.8	44
24	Synthesis of Metallopolymers and Direct Visualization of the Single Polymer Chain. <i>Journal of the American Chemical Society</i> , 2020, 142, 6196-6205.	13.7	38
25	One Pot, One Feeding Step, Two-Stage Polymerization Synthesis and Characterization of (PTT- <i>b</i> -PTMO- <i>b</i> -PTT) _n Multiblock Copolymers. <i>Macromolecules</i> , 2013, 46, 7274-7281.	4.8	34
26	Synthesis and characterization of well-defined poly(L-lactide) functionalized graphene oxide sheets with high grafting ratio prepared through click chemistry and supramolecular interactions. <i>Polymer</i> , 2014, 55, 4619-4626.	3.8	27
27	Acceptor-donor-acceptor-based small molecules with varied crystallinity: processing additive-induced nanofibril in blend film for photovoltaic applications. <i>Nanoscale</i> , 2013, 5, 9536.	5.6	25
28	One pot synthesis and characterization of novel poly(ether ester) multiblock copolymers containing poly(tetramethylene oxide) and poly(ethylene terephthalate). <i>Polymer Chemistry</i> , 2014, 5, 945-954.	3.9	25
29	Poly(butylene terephthalate)- <i>b</i> -poly(ethylene oxide) alternating multiblock copolymers: Synthesis and application in solid polymer electrolytes. <i>Polymer</i> , 2017, 128, 188-199.	3.8	25
30	A one pot facile synthesis of Poly(butylene terephthalate)-block-poly(tetramethylene oxide) alternative multiblock copolymers via PROP method. <i>Polymer</i> , 2016, 107, 29-36.	3.8	24
31	Ionic Liquid-Grafted Polyamide 6 by Radiation-Induced Grafting: New Strategy To Prepare Covalently Bonded Ion-Containing Polymers and their Application as Functional Fibers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5462-5475.	8.0	24
32	Hole extraction layer utilizing well defined graphene oxide with multiple functionalities for high-performance bulk heterojunction solar cells. <i>Organic Electronics</i> , 2014, 15, 2868-2875.	2.6	23
33	Incorporating Pendent Fullerenes with High Refractive Index Backbones: A Conjunction Effect Method for High Refractive Index Polymers. <i>Macromolecules</i> , 2015, 48, 8480-8488.	4.8	23
34	A spheres-in-tube carbonaceous nanostructure for high-capacity and high-rate lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14885-14893.	10.3	22
35	Side-chain fullerene polyesters: a new class of high refractive index polymers. <i>Materials Horizons</i> , 2014, 1, 247-250.	12.2	21
36	Effect of Block Number and Weight Fraction on the Structure and Properties of Poly(butylene) Tj ETQqO O O rgBT /Overlock 10 Tf 50 67 2021, 54, 2703-2710.	4.8	20

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37	Title is missing!. Journal of Polymer Research, 2002, 9, 11-15.	2.4	19
38	From ultratough artificial nacre to elastomer: Poly(n-butyl acrylate) grafted graphene oxide nanocomposites. Composites Part A: Applied Science and Manufacturing, 2016, 88, 156-164.	7.6	19
39	Shackling Effect Induced Property Differences in Metallo-Supramolecular Polymers. Journal of the American Chemical Society, 2017, 139, 14364-14367.	13.7	19
40	Precisely controlled growth of poly(ethyl acrylate) chains on graphene oxide and the formation of layered structure with improved mechanical properties. Composites Part A: Applied Science and Manufacturing, 2017, 93, 100-106.	7.6	19
41	PBT-b-PEO-b-PBT triblock copolymers: Synthesis, characterization and double-crystalline properties. Polymer, 2013, 54, 6725-6731.	3.8	18
42	Supramolecular and Physically Double-Cross-Linked Network Strategy toward Strong and Tough Elastic Fibers. ACS Macro Letters, 2020, 9, 1655-1661.	4.8	18
43	Controlled organization of self-assembled rod-coil block copolymer micelles. Polymer, 2009, 50, 5170-5174.	3.8	17
44	Solution-processable tetrazine and oligothiophene based linear small molecules: Synthesis, hierarchical structure and photovoltaic properties. Organic Electronics, 2013, 14, 1424-1434.	2.6	17
45	Conjugated moiety effect on blend film phase separation and photovoltaic properties of benzo[1,2-b:4,5-b']dithiophene-containing coplanar donor-acceptor copolymers. Solar Energy Materials and Solar Cells, 2013, 108, 136-145.	6.2	17
46	Three-dimensional Interconnected Nanocarbon Hybrid Prepared by One-pot Synthesis Method with Polypyrrole-based Nanotube and Graphene and the Application in High-performance Capacitance. Electrochimica Acta, 2014, 146, 386-394.	5.2	17
47	Synergistic toughening of bioinspired artificial nacre by polystyrene grafted graphene oxide. RSC Advances, 2015, 5, 28085-28091.	3.6	17
48	Water transport facilitated by carbon nanotubes enables a hygroresponsive actuator with negative hydrotaxis. Nanoscale, 2020, 12, 6104-6110.	5.6	17
49	A fullerene dyad with a tri(octyloxy)benzene moiety induced efficient nanoscale active layer for the poly(3-hexylthiophene)-based bulk heterojunction solar cell applications. Chemical Communications, 2013, 49, 4917.	4.1	16
50	Unique Supramolecular Liquid-Crystal Phases with Different Two-Dimensional Crystal Layers. Angewandte Chemie - International Edition, 2018, 57, 13454-13458.	13.8	16
51	A Cascade Polymerization Method for the Property Modification of Poly(butylene terephthalate) by the Incorporation of Isosorbide. ACS Applied Polymer Materials, 2019, 1, 2313-2321.	4.4	16
52	A nearly quantitative synthetic approach towards monocyclic polystyrenes and the solvent, concentration and molecular weight effect on cyclic yield. Polymer, 2016, 101, 379-387.	3.8	15
53	Synthesis of poly(butylene terephthalate)-block-poly(ethylene oxide)-block-poly(propylene oxide)-block-poly(ethylene oxide) multiblock terpolymers via a facile PROP method. Polymer, 2017, 130, 199-208.	3.8	15
54	A green cascade polymerization method for the facile synthesis of sustainable poly(butylene-co-decylene terephthalate) copolymers. Polymer, 2019, 178, 121591.	3.8	15

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55	Synthesis and Solution Self-Assembly Properties of Cyclic Rod-Coil Diblock Copolymers. ACS Macro Letters, 2019, 8, 1564-1569.	4.8	15
56	Frustrated Layered Self-Assembly Induced Superlattice from Two-Dimensional Nanosheets. Nano Letters, 2020, 20, 8647-8653.	9.1	15
57	Preparation of low molecular weight cyclic polystyrenes with high purity via liquid chromatography at the critical condition. Polymer, 2018, 135, 279-284.	3.8	14
58	Buckled Amorphous Hollow Carbon Spheres: Facile Fabrication, Buckling Process, and Applications as Electrode Materials for Supercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 30116-30124.	8.0	14
59	Rapid synthesis of sustainable poly(ethylene 2,5-furandicarboxylate)-block-poly(tetramethylene oxide) multiblock copolymers with tailor-made properties via a cascade polymerization route. Polymer, 2021, 237, 124313.	3.8	14
60	PROP: an in situ cascade polymerization method for the facile synthesis of polyesters. Polymer Chemistry, 2017, 8, 1953-1962.	3.9	13
61	Biodegradable all polyester-based multiblock copolymer elastomers with controlled properties. Polymer Chemistry, 2021, 12, 1837-1845.	3.9	12
62	Effect of Fullerene Volume Fraction on Two-Dimensional Crystal-Constructed Supramolecular Liquid Crystals. Chemistry - an Asian Journal, 2019, 14, 125-129.	3.3	10
63	Supramolecular Chemistry in the Formation of Self-Assembled Nanostructures from a High-Molecular-Weight Rod-Coil Block Copolymer. Macromolecular Rapid Communications, 2014, 35, 1795-1800.	3.9	9
64	Controlling the enthalpy-entropy competition in supramolecular fullerene liquid crystals by tuning the flexible chain length. Chemical Communications, 2017, 53, 8336-8339.	4.1	9
65	Mechanism study and molecular design in controlled/living-radical polymerization. Science China Chemistry, 2010, 53, 1605-1619.	8.2	6
66	A synthetic approach towards micron-sized smectic liquid crystal capsules via the diffusion controlled swelling method. Polymer Chemistry, 2015, 6, 2551-2559.	3.9	6
67	Influence of liquid crystalline formation on the phase behavior of side-chain liquid crystalline block copolymers. Polymer, 2015, 61, 147-154.	3.8	6
68	Hygroresponsive Torsional Yarns and Actuators Based on Cascade Amplification of the Deformation. Macromolecular Materials and Engineering, 2021, 306, 2000822.	3.6	6
69	The non-free draining effect for small cyclics in solution. Polymer, 2021, 213, 123202.	3.8	6
70	A cascade strategy towards the direct synthesis of green polyesters with versatile functional groups. Polymer Chemistry, 0, , .	3.9	5
71	Self-adaptive multiblock-copolymer-based hybrid solid-state electrolyte for safe and stable lithium-metal battery. Electrochimica Acta, 2021, 371, 137702.	5.2	5
72	Controlling Morphology of Active Layer by Tuning Coplanarity of the Centrality in Acceptor-Donor-Acceptor Small Molecules for Photovoltaic Application. Chinese Journal of Chemistry, 2013, 31, 1439-1448.	4.9	4

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73	Synthesis and ordered aggregation in water of a blue light-emitting PEO-PHP-PEO triblock oligomer. <i>Science Bulletin</i> , 2003, 48, 1525-1530.	1.7	3
74	Investigating the effect of mono- and multivalent counterions on the conformation of poly(styrenesulfonic acid) by nanopores. <i>Electrophoresis</i> , 2019, 40, 2180-2185.	2.4	3
75	Unique Supramolecular Liquid-Crystal Phases with Different Two-Dimensional Crystal Layers. <i>Angewandte Chemie</i> , 2018, 130, 13642-13646.	2.0	2
76	Surface Polymerization and Controlled Pyrolysis: Tailorable Synthesis of Bumpy Hollow Carbon Spheres for Energy Storage. <i>Langmuir</i> , 2021, 37, 4007-4015.	3.5	2
77	Controllable synthesis of nitrogen-containing core-shell carbon spheres with a gap for enhanced lithium-ions storage. <i>Solid State Ionics</i> , 2022, 382, 115961.	2.7	1
78	Fullerene Liquid Crystals. , 2018, , 1-23.		0
79	Fullerene Liquid Crystals. <i>Polymers and Polymeric Composites</i> , 2020, , 149-171.	0.6	0