

Wei Tian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3429351/publications.pdf>

Version: 2024-02-01

104
papers

2,125
citations

218677

26
h-index

289244

40
g-index

108
all docs

108
docs citations

108
times ranked

2591
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer composites based on hexagonal boron nitride and their application in thermally conductive composites. RSC Advances, 2018, 8, 21948-21967.	3.6	119
2	Pillararene-based supramolecular polymers. Chemical Communications, 2019, 55, 271-285.	4.1	110
3	Chiral recognition of α -tryptophan with beta-cyclodextrin-modified biomimetic single nanochannel. Chemical Communications, 2015, 51, 3135-3138.	4.1	108
4	Supramolecular hyperbranched polymers. Chemical Communications, 2017, 53, 2531-2542.	4.1	78
5	Photoinduced Liquefaction of Azobenzene-Containing Polymers. Chemistry - A European Journal, 2018, 24, 6494-6505.	3.3	70
6	An Artificial CO ₂ -Driven Ionic Gate Inspired by Olfactory Sensory Neurons in Mosquitoes. Advanced Materials, 2017, 29, 1603884.	21.0	61
7	One-Step in Situ Ball Milling Synthesis of Polymer-Functionalized Few-Layered Boron Nitride and Its Application in High Thermally Conductive Cellulose Composites. ACS Applied Nano Materials, 2018, 1, 4875-4883.	5.0	61
8	β -Cyclodextrin-modified hyaluronic acid-based supramolecular self-assemblies for pH- and esterase-dual-responsive drug delivery. Carbohydrate Polymers, 2020, 246, 116654.	10.2	53
9	Facile construction of shape-regulated β -cyclodextrin-based supramolecular self-assemblies for drug delivery. Carbohydrate Polymers, 2020, 231, 115714.	10.2	51
10	How does a tiny terminal alkynyl end group drive fully hydrophilic homopolymers to self-assemble into multicompartement vesicles and flower-like complex particles?. Polymer Chemistry, 2014, 5, 5077-5088.	3.9	47
11	PGMA-based supramolecular hyperbranched polycations for gene delivery. Polymer Chemistry, 2016, 7, 4334-4341.	3.9	45
12	Photo- and pH-Dual-Responsive β -Cyclodextrin-Based Supramolecular Prodrug Complex Self-Assemblies for Programmed Drug Delivery. Chemistry - an Asian Journal, 2018, 13, 3903-3911.	3.3	45
13	Enhanced Conductivity and Thermochromic Luminescence in Hydrogen Bond-Stabilized Columnar Liquid Crystals. ACS Applied Materials & Interfaces, 2020, 12, 9637-9645.	8.0	42
14	Long-Chain Hyperbranched Polymers: Synthesis, Properties, and Applications. Macromolecular Rapid Communications, 2019, 40, e1800471.	3.9	41
15	Reversible morphology transitions of supramolecular polymer self-assemblies for switch-controlled drug release. Chemical Communications, 2015, 51, 15366-15369.	4.1	40
16	Miktoarm star polymers with poly(N-isopropylacrylamide) or poly(oligo(ethylene glycol)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (n Polymer Chemistry, 2012, 3, 1137.	3.9	37
17	A supramolecular hyperbranched polymer with multi-responsiveness constructed by pillar[5]arene-based host-guest recognition and its application in the breath figure method. Materials Chemistry Frontiers, 2018, 2, 1568-1573.	5.9	37
18	Host-Guest Binding Site-Tunable Self-Assembly of Stimuli-Responsive Supramolecular Polymers. Chemistry - A European Journal, 2016, 22, 8508-8519.	3.3	34

#	ARTICLE	IF	CITATIONS
19	β -Cyclodextrin modified Pt(II) metallacycle-based supramolecular hyperbranched polymer assemblies for DOX delivery to liver cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30942-30948.	7.1	32
20	β -Cyclodextrin polymer brushes based on hyperbranched polycarbosilane: Synthesis and characterization. Journal of Polymer Science Part A, 2008, 46, 5036-5052.	2.3	30
21	A supramolecular hyperbranched polymer based on molecular recognition between benzo-21-crown-7 and secondary ammonium salt. Chemical Communications, 2014, 50, 14666-14669.	4.1	29
22	Construction of β -cyclodextrin-based supramolecular hyperbranched polymers self-assemblies using AB ₂ -type macromonomer and their application in the drug delivery field. Carbohydrate Polymers, 2019, 213, 411-418.	10.2	29
23	pH-sensitive doxorubicin-loaded polymeric nanocomplex based on β -cyclodextrin for liver cancer-targeted therapy. International Journal of Nanomedicine, 2019, Volume 14, 1997-2010.	6.7	28
24	A triple-monomer methodology to construct controllable supramolecular hyperbranched alternating polymers. Polymer Chemistry, 2016, 7, 4322-4325.	3.9	27
25	A Double Cation-Driven Strategy Enabling Two-Dimensional Supramolecular Polymers as Efficient Catalyst Carriers. Angewandte Chemie - International Edition, 2020, 59, 9534-9541.	13.8	27
26	UV-activated hydrosilylation: a facile approach for synthesis of hyperbranched polycarbosilanes. Applied Organometallic Chemistry, 2009, 23, 277-282.	3.5	26
27	A Color-Tunable Fluorescent Supramolecular Hyperbranched Polymer Constructed by Pillar[5]arene-Based Host-Guest Recognition and Metal Ion Coordination Interaction. Macromolecular Rapid Communications, 2018, 39, e1800053.	3.9	26
28	A branching point thermo and pH dual-responsive hyperbranched polymer based on poly(N-vinylcaprolactam) and poly(N,N-diethyl aminoethyl methacrylate). Polymer Chemistry, 2013, 4, 2850.	3.9	24
29	Supramolecular Alternating Polymer from Crown Ether and Pillar[5]arene-Based Double Molecular Recognition for Preparation of Hierarchical Materials. Chemistry - A European Journal, 2016, 22, 101-105.	3.3	24
30	Hot pressing-induced alignment of hexagonal boron nitride in SEBS elastomer for superior thermally conductive composites. RSC Advances, 2018, 8, 25835-25845.	3.6	24
31	Nonionic Cyclodextrin Based Binary System with Upper and Lower Critical Solution Temperature Transitions via Supramolecular Inclusion Interaction. Langmuir, 2014, 30, 7319-7326.	3.5	22
32	Controlled Self-assembly of Thermo-responsive Amphiphilic H-shaped Polymer for Adjustable Drug Release. Chinese Journal of Polymer Science (English Edition), 2018, 36, 406-416.	3.8	22
33	Morphology transitions of supramolecular hyperbranched polymers induced by double supramolecular driving forces. Polymer Chemistry, 2015, 6, 732-737.	3.9	21
34	1,8-Dioxapyrene-based electrofluorochromic supramolecular hyperbranched polymers. Chemical Communications, 2020, 56, 383-386.	4.1	21
35	Supramolecular Drug-Drug Complex Vesicles Enable Sequential Drug Release for Enhanced Combination Therapy. ACS Applied Materials & Interfaces, 2020, 12, 27940-27950.	8.0	21
36	Supramolecular Host-Guest Interaction-Enhanced Adjustable Drug Release Based on β -Cyclodextrin-Functionalized Thermoresponsive Porous Polymer Films. Langmuir, 2017, 33, 7393-7402.	3.5	20

#	ARTICLE	IF	CITATIONS
37	Phase transition dynamics and mechanism for backbone-thermoresponsive hyperbranched polyethers. <i>Polymer Chemistry</i> , 2014, 5, 4022.	3.9	19
38	Ultrasound-Driven Secondary Self-Assembly of Amphiphilic β -Cyclodextrin Dimers. <i>Chemistry - A European Journal</i> , 2015, 21, 5000-5008.	3.3	19
39	AB _x -type amphiphilic macromonomer-based supramolecular hyperbranched polymers for controllable self-assembly. <i>Polymer Chemistry</i> , 2017, 8, 1306-1314.	3.9	19
40	Synthesis of three-arm poly(ethylene glycol) by combination of controlled anionic polymerization and "click" chemistry. <i>Polymer International</i> , 2010, 59, 543-551.	3.1	18
41	Controlled Supramolecular Architecture Transformation from Homopolymer to Copolymer through Competitive Self-Sorting Method. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600631.	3.9	18
42	Engineered Artificial Nanochannels for Nitrite Ion Harmless Conversion. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30852-30859.	8.0	17
43	Functional Aqueous Zinc-Acetylene Batteries for Electricity Generation and Electrochemical Acetylene Reduction to Ethylene. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	17
44	β -cyclodextrin and its hyperbranched polymers-induced micro/nanopatterns and tunable wettability on polymer surfaces. <i>Nanoscale</i> , 2011, 3, 5147.	5.6	16
45	Synthesis and stimulus-responsive micellization of a well-defined H-shaped terpolymer. <i>Polymer Chemistry</i> , 2012, 3, 3330.	3.9	16
46	pH, Temperature, and Magnetic Triple-Responsive Polymer Porous Microspheres for Tunable Adsorption. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1132-1141.	3.6	16
47	Fluorophore core-engineered supramolecular discotic columnar liquid crystals with tunable fluorescent behavior. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1671-1677.	5.9	16
48	Time-encoded bio-fluorochromic supramolecular co-assembly for rewritable security printing. <i>Chemical Science</i> , 2021, 12, 10041-10047.	7.4	16
49	Ruthenium (II)-Coordinated Supramolecular Metallodrug Complex Realizing Oxygen Self-Supply In Situ for Overcoming Hypoxic Tumors. <i>Advanced Functional Materials</i> , 2021, 31, 2105837.	14.9	16
50	Multiresponsive Properties of Triple-Shell Architectures with Poly(<i>N,N</i> -diethylaminoethyl) Tj ETQq 0 0 rgBT /Overlock	2.2	14
51	Thermo and pH dual-controlled charge reversal amphiphilic graft copolymer micelles for overcoming drug resistance in cancer cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4585-4596.	5.8	14
52	Acceptor-induced cooperative supramolecular co-assembly with emissive charge-transfer for advanced supramolecular encryption. <i>Chemical Communications</i> , 2020, 56, 9214-9217.	4.1	14
53	Amphiphilic Hyperbranched Polymers Containing Two Types of β -Cyclodextrin Segments: Synthesis and Properties. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 2107-2117.	2.2	13
54	Preparation of a P(THF-co-PO)-b-PB-b-P(THF-co-PO) triblock copolymer via cationic ring-opening polymerization and its use as a thermoset polymer. <i>RSC Advances</i> , 2015, 5, 66073-66081.	3.6	13

#	ARTICLE	IF	CITATIONS
55	Platinum-Containing Supramolecular Drug Self-Delivery Nanomicelles for Efficient Synergistic Combination Chemotherapy. <i>Biomacromolecules</i> , 2021, 22, 2382-2392.	5.4	13
56	Triple Noncovalent Interaction-Containing Supramolecular Polymer Vesicle Chemosensors with Dynamically Tunable Detection Ranges. <i>Chemistry - A European Journal</i> , 2018, 24, 4239-4244.	3.3	12
57	Crown Ether-Based Supramolecular Polymers: From Synthesis to Self-Assembly. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100775.	3.9	12
58	Polymer melt flow through nanochannels: from theory and fabrication to application. <i>RSC Advances</i> , 2015, 5, 7160-7172.	3.6	11
59	Architecture transition of supramolecular polymers through hierarchical self-assembly: from supramolecular polymers to fluorescent materials. <i>Polymer Chemistry</i> , 2020, 11, 5642-5648.	3.9	11
60	A dual stimuli responsive fluorescent probe carrier from a double hydrophilic block copolymer capped with β -cyclodextrin. <i>Polymer Chemistry</i> , 2015, 6, 3382-3386.	3.9	10
61	Probing into the Supramolecular Driving Force of an Amphiphilic β -Cyclodextrin Dimer in Various Solvents: Host-Guest Recognition or Hydrophilic-Hydrophobic Interaction?. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11893-11899.	2.6	10
62	Host-guest interaction-based supramolecular prodrug self-assemblies for GSH-consumption augmented chemotherapy. <i>Journal of Materials Chemistry B</i> , 0, , .	5.8	10
63	Study on anionic polymerization of ethylene oxide initiated by ammonium/triisobutylaluminum. <i>Journal of Polymer Research</i> , 2010, 17, 529-534.	2.4	9
64	An H-shaped polymer bonding β -cyclodextrin at branch points: Synthesis and influences of attached β -cyclodextrins on physical properties. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1405-1416.	2.3	9
65	Controllable supramolecular assembly and architecture transformation by the combination of orthogonal self-assembly and competitive self-sorting assembly. <i>Polymer Chemistry</i> , 2019, 10, 6535-6539.	3.9	9
66	Nonlinear Supramolecular Polymers for Therapeutic Applications. <i>Advanced Therapeutics</i> , 2019, 2, 1800103.	3.2	9
67	A dual drug-based hyperbranched polymer with methotrexate and chlorambucil moieties for synergistic cancer chemotherapy. <i>Polymer Chemistry</i> , 2020, 11, 5810-5818.	3.9	9
68	Sequence-controlled supramolecular copolymer constructed by self-sorting assembly of multiple noncovalent interactions. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1117-1124.	4.5	9
69	Biocompatible amphiphilic hyperbranched nanocapsules with a functional core: Synergistic encapsulation and asynchronous release properties towards multi-guest molecules. <i>RSC Advances</i> , 2012, 2, 11976.	3.6	8
70	Reversible Self-Assembly of Backbone-Thermoresponsive Long Chain Hyperbranched Poly(N-Isopropyl) Tj ETQq0 0 0,rgBT /Overlock 10 T	4.9	8
71	Processing-Dependent Lamellar Polymorphism of Hyperbranched Liquid-Crystalline Polymer with Variable Light Emission. <i>Macromolecules</i> , 2020, 53, 5720-5727.	4.8	8
72	A general, rapid and solvent-free approach to fabricating nanostructured polymer surfaces. <i>Science China Technological Sciences</i> , 2014, 57, 2328-2333.	4.0	7

#	ARTICLE	IF	CITATIONS
73	Perylene Bisimide-Based Luminescent Liquid Crystals with Tunable Solid-State Light Emission. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57786-57795.	8.0	7
74	Acylhydrazone-based supramolecular assemblies undergoing a converse sol-to-gel transition on <i>trans</i> \rightarrow <i>cis</i> photoisomerization. <i>Chemical Science</i> , 2022, 13, 7892-7899.	7.4	7
75	Synthesis and UV curing kinetics of rapidly UV-curable hyperbranched polycarbosiloxanes. <i>Polymer International</i> , 2010, 59, 1323-1330.	3.1	6
76	Cyclodextrin-overhanging hyperbranched core-double-shell miktoarm architectures: Synthesis and gradient stimuli-responsive properties. <i>Journal of Polymer Science Part A</i> , 2012, 50, 759-771.	2.3	6
77	Morphology-tunable and pH-responsive supramolecular self-assemblies based on AB ₂ -type host-guest-conjugated amphiphilic molecules for controlled drug delivery. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1925-1932.	2.2	6
78	Ultrasound and Redox-Triggered Morphology Transitions of Supramolecular Self-assemblies with pH Responsiveness for Triple-Controlled Release. <i>Langmuir</i> , 2019, 35, 8045-8051.	3.5	6
79	Self-assembling morphology-tunable single-component supramolecular antibiotics for enhanced antibacterial manipulation. <i>Polymer Chemistry</i> , 2020, 11, 102-111.	3.9	6
80	Fluorescent Columnar Liquid-Crystalline Polymers: Synthesis, Mesomorphic Behaviors and Tunable Emission Wavelengths. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2009-2015.	4.9	6
81	Supramolecular Dual Drug Nanomicelles for Circumventing Multidrug Resistance. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5515-5523.	5.2	6
82	Positional Isomerism-Mediated Copolymerization Realizing the Continuous Luminescence Color-Tuning of Liquid-Crystalline Polymers. <i>Macromolecules</i> , 2022, 55, 5332-5341.	4.8	6
83	A light-tunable thermoresponsive supramolecular switch with reversible and complete $\text{on} \rightarrow \text{off}$ conversion. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1168-1173.	5.9	5
84	Programmable binary crystallization behaviors assisted by hydrogen bond on HOPG surface. <i>Applied Surface Science</i> , 2021, 565, 150529.	6.1	5
85	Hierarchical self-assembly induced supramolecular polymer helical nanowires with white circularly polarized luminescence. <i>Chemical Communications</i> , 2022, 58, 4647-4650.	4.1	5
86	Multifunctional Magnetic Porous Microspheres for Highly Efficient and Recyclable Water Disinfection and Dye Removal. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1576-1585.	4.4	5
87	Supramolecular self-assemblies based on water-soluble pillar[6]arene and drug-drug conjugates for the combination of chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112606.	5.0	5
88	Temperature-responsive Property of Star Poly((N,N-dimethylamino)ethyl methacrylate) with Hyperbranched Core: Effect of Core-Shell Architecture and β -Cyclodextrin Grafted <i>via</i> Covalent Bond or Ionic Electrostatic Attraction. <i>Soft Materials</i> , 2013, 11, 272-280.	1.7	4
89	Segmented polymer nanowires and nanorods by one-step template wetting with a hyperbranched polymer and linear polymer blend. <i>RSC Advances</i> , 2014, 4, 53021-53027.	3.6	4
90	Amphiphilic diblock copolymers bearing pendant aromatic acetal groups: Synthesis and tunable pH-triggered assembly/disassembly transition behavior. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1537-1547.	2.3	4

#	ARTICLE	IF	CITATIONS
91	Size- and Stable Supramolecular Hyperbranched Polymer Vesicles for Redox-Triggered Double-Drug Release. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800467.	2.2	4
92	A Double Cation-Driven Strategy Enabling Two-Dimensional Supramolecular Polymers as Efficient Catalyst Carriers. <i>Angewandte Chemie</i> , 2020, 132, 9621-9628.	2.0	4
93	Light controlled drug-based supramolecular polymer self-assemblies for efficient antibacterial manipulation. , 2022, 1, 100014.		4
94	A quinolone derivative-based organoplatinum(II) metallacycle supramolecular self-delivery nanocarrier for combined cancer therapy. <i>Supramolecular Chemistry</i> , 2020, 32, 597-604.	1.2	3
95	Synthesis of amphiphilic hyperbranched polymers for the controlled release of double-guest molecules. <i>Journal of Controlled Release</i> , 2011, 152, e97-e98.	9.9	2
96	Linear-g-hyperbranched and cyclodextrin-based amphiphilic block copolymer as a multifunctional nanocarrier. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2696-2703.	2.2	2
97	Frontispiece: Photoinduced Liquefaction of Azobenzene-Containing Polymers. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	2
98	Cyclodextrin-functionalized ordered porous block copolymer films: Preparation and property. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 34-42.	3.8	2
99	Topological-skeleton controlled chirality expression of supramolecular hyperbranched and linear polymers. <i>Fundamental Research</i> , 2022, 2, 422-428.	3.3	2
100	Cyclodextrin-tunable reversible self-assembly of a thermoresponsive Y-shaped polymer. <i>RSC Advances</i> , 2015, 5, 34557-34565.	3.6	1
101	Construction and Biomedical Applications of Macrocyclic-Based Supramolecular Topological Polymers. , 2019, , 1-31.		0
102	Innentitelbild: A Double Cation-Driven Strategy Enabling Two-Dimensional Supramolecular Polymers as Efficient Catalyst Carriers (<i>Angew. Chem.</i> 24/2020). <i>Angewandte Chemie</i> , 2020, 132, 9282-9282.	2.0	0
103	Light absorption and hydrophobicity of a polystyrene/multiwall carbon nanotube composite with surface nanostructures. <i>Nanotechnology</i> , 2021, 32, 385302.	2.6	0
104	Construction and Biomedical Applications of Macrocyclic-Based Supramolecular Topological Polymers. , 2020, , 1555-1585.		0