

Chunyang Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7743739/publications.pdf>

Version: 2024-02-01

94
papers

3,888
citations

147566

31
h-index

133063

59
g-index

100
all docs

100
docs citations

100
times ranked

4951
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Degradation of Organic Pollutants Using an Efficient Metal-Free Catalyst Derived from Carbonized Polypyrrole via Peroxymonosulfate Activation. <i>Environmental Science & Technology</i> , 2017, 51, 11288-11296.	4.6	514
2	A Supramolecular Janus Hyperbranched Polymer and Its Photoresponsive Self-Assembly of Vesicles with Narrow Size Distribution. <i>Journal of the American Chemical Society</i> , 2013, 135, 4765-4770.	6.6	330
3	Supramolecular Polymer-Based Nanomedicine: High Therapeutic Performance and Negligible Long-Term Immunotoxicity. <i>Journal of the American Chemical Society</i> , 2018, 140, 8005-8019.	6.6	227
4	Ferroptosis Promotes Photodynamic Therapy: Supramolecular Photosensitizer-Inducer Nanodrug for Enhanced Cancer Treatment. <i>Theranostics</i> , 2019, 9, 3293-3307.	4.6	177
5	An Injectable Enzymatically Crosslinked Carboxymethylated Pullulan/Chondroitin Sulfate Hydrogel for Cartilage Tissue Engineering. <i>Scientific Reports</i> , 2016, 6, 20014.	1.6	145
6	Self-crosslinking and injectable hyaluronic acid/RGD-functionalized pectin hydrogel for cartilage tissue engineering. <i>Carbohydrate Polymers</i> , 2017, 166, 31-44.	5.1	135
7	Protein-Framed Multi-Porphyrin Micelles for a Hybrid Natural-Artificial Light-Harvesting Nanosystem. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7952-7957.	7.2	123
8	In-situ supramolecular polymerization-enhanced self-assembly of polymer vesicles for highly efficient photothermal therapy. <i>Nature Communications</i> , 2020, 11, 1724.	5.8	122
9	Potentially toxic elements and environmentally-related pollutants recognition using colorimetric and ratiometric fluorescent probes. <i>Science of the Total Environment</i> , 2018, 640-641, 174-193.	3.9	115
10	Hierarchical Self-Assembly of a Dandelion-Like Supramolecular Polymer into Nanotubes for use as Highly Efficient Aqueous Light-Harvesting Systems. <i>Advanced Functional Materials</i> , 2016, 26, 7652-7661.	7.8	104
11	Nucleoside Analogue-Based Supramolecular Nanodrugs Driven by Molecular Recognition for Synergistic Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2018, 140, 8797-8806.	6.6	95
12	Ultrahigh Peroxymonosulfate Utilization Efficiency over CuO Nanosheets via Heterogeneous Cu(III) Formation and Preferential Electron Transfer during Degradation of Phenols. <i>Environmental Science & Technology</i> , 2022, 56, 8984-8992.	4.6	95
13	Quantitative structure-activity relationship for the oxidation of aromatic organic contaminants in water by TAML/H ₂ O ₂ . <i>Water Research</i> , 2018, 140, 354-363.	5.3	69
14	Ultrathin Alternating Copolymer Nanotubes with Readily Tunable Surface Functionalities. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3621-3625.	7.2	65
15	Rhodamine-based multianalyte colorimetric probe with potentialities as on-site assay kit and in biological systems. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 115-124.	4.0	54
16	Pyrazolylazophenyl Ether-Based Photoswitches: Facile Synthesis, (Near-)Quantitative Photoconversion, Long Thermal Half-Life, Easy Functionalization, and Versatile Applications in Light-Responsive Systems. <i>Chemistry - A European Journal</i> , 2019, 25, 13402-13410.	1.7	48
17	Mechanistic inference on the reaction kinetics of phenols and anilines in carbon nanotubes-activated peroxydisulfate systems: pp-LFRs and QSARs analyses. <i>Chemical Engineering Journal</i> , 2020, 385, 123923.	6.6	48
18	Self-Assembly of Amphiphilic Alternating Copolymers. <i>Chemistry - A European Journal</i> , 2019, 25, 4255-4264.	1.7	46

#	ARTICLE	IF	CITATIONS
19	Emulsion-Assisted Polymerization-Induced Hierarchical Self-Assembly of Giant Sea Urchin-Like Aggregates on a Large Scale. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8043-8047.	7.2	45
20	Modification of polyamide TFC nanofiltration membrane for improving separation and antifouling properties. <i>RSC Advances</i> , 2018, 8, 15102-15110.	1.7	42
21	Azobispyrazole Family as Photoswitches Combining (Near) Quantitative Bidirectional Isomerization and Widely Tunable Thermal Half-Lives from Hours to Years**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16539-16546.	7.2	42
22	Revisiting Acetoacetyl Chemistry to Build Malleable Cross-Linked Polymer Networks via Transamidation. <i>ACS Macro Letters</i> , 2019, 8, 233-238.	2.3	40
23	A robust flame retardant fluorinated polyimide nanofiber separator for high-temperature lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14788-14798.	5.2	40
24	Cancer Theranostic Nanoparticles Self-Assembled from Amphiphilic Small Molecules with Equilibrium Shift-Induced Renal Clearance. <i>Theranostics</i> , 2016, 6, 1703-1716.	4.6	39
25	A dissipative particle dynamics simulation study on phase diagrams for the self-assembly of amphiphilic hyperbranched multiarm copolymers in various solvents. <i>Soft Matter</i> , 2017, 13, 6178-6188.	1.2	39
26	De Novo Construction of Catenanes with Dissymmetric Cages by Space-Discriminative Post-Assembly Modification. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7113-7121.	7.2	38
27	Real-time probing of mercury using an efficient "turn-on" strategy with potential as in-field mapping kit and in live cell imaging. <i>New Journal of Chemistry</i> , 2018, 42, 10940-10946.	1.4	37
28	<i>Spiranthes sinensis</i> -Inspired Circular Polarized Luminescence in a Solid Block Copolymer Film with a Controllable Helix. <i>ACS Nano</i> , 2020, 14, 8939-8948.	7.3	37
29	Structure adjustment for enhancing the water permeability and separation selectivity of the thin film composite nanofiltration membrane based on a dendritic hyperbranched polymer. <i>Journal of Membrane Science</i> , 2021, 618, 118455.	4.1	37
30	Tunable Superstructures of Dendronized Graphene Nanoribbons in Liquid Phase. <i>Journal of the American Chemical Society</i> , 2019, 141, 10972-10977.	6.6	36
31	Development and characterization of newly engineered chemosensor with intracellular monitoring potentialities and lowest detection of toxic elements. <i>Journal of Molecular Liquids</i> , 2018, 272, 440-449.	2.3	32
32	Ultrasound-responsive ultrathin multiblock copolyamide vesicles. <i>Nanoscale</i> , 2016, 8, 4922-4926.	2.8	31
33	Crystallization-Driven Two-Dimensional Self-Assembly of Amphiphilic PCL-PEO Coated Gold Nanoparticles in Aqueous Solution. <i>ACS Macro Letters</i> , 2018, 7, 1062-1067.	2.3	31
34	Preparation of polydopamine nanocapsules in a miscible tetrahydrofuran-buffer mixture. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 686-690.	1.5	30
35	A srikaya-like light-harvesting antenna based on graphene quantum dots and porphyrin unimolecular micelles. <i>Chemical Communications</i> , 2016, 52, 9394-9397.	2.2	30
36	Self-Restricted Green Fluorescent Protein Chromophore Analogues: Dramatic Emission Enhancement and Remarkable Solvatochromism. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2935-2944.	2.1	28

#	ARTICLE	IF	CITATIONS
37	Protein-Framed Multi-Porphyrin Micelles for a Hybrid Natural-Artificial Light-Harvesting Nanosystem. <i>Angewandte Chemie</i> , 2016, 128, 8084-8089.	1.6	28
38	A pure molecular drug hydrogel for post-surgical cancer treatment. <i>Biomaterials</i> , 2021, 265, 120403.	5.7	28
39	Effect of Side Chains on the Low-Dimensional Self-Assembly of Polyphenylene-Based "Rod-Coil-Graft Copolymers in Solution. <i>Macromolecules</i> , 2018, 51, 161-172.	2.2	27
40	Dissipative particle dynamics simulation study on self-assembly of amphiphilic hyperbranched multiarm copolymers with different degrees of branching. <i>Soft Matter</i> , 2015, 11, 8460-8470.	1.2	26
41	Porphyrin-Based Conjugated Microporous Polymer Tubes: Template-Free Synthesis and A Photocatalyst for Visible-Light-Driven Thiocyanation of Anilines. <i>Macromolecules</i> , 2021, 54, 3543-3553.	2.2	25
42	(Hetero)arylo-1,2,3-triazoles: "Clicked" Photoswitches for Versatile Functionalization and Electronic Decoupling. <i>Journal of the American Chemical Society</i> , 2021, 143, 14502-14510.	6.6	25
43	Tailoring the molecular geometry of polyfluoride perylene diimide acceptors towards efficient organic solar cells. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8224-8233.	2.7	24
44	Spontaneous Resolution of Racemic Cage-Catenanes via Diastereomeric Enrichment at the Molecular Level and Subsequent Narcissistic Self-Sorting at the Supramolecular Level. <i>Journal of the American Chemical Society</i> , 2022, 144, 1342-1350.	6.6	24
45	Polymer vesicle sensor through the self-assembly of hyperbranched polymeric ionic liquids for the detection of SO ₂ derivatives. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 602-610.	2.0	23
46	Modification of PSf/SPSf Blended Porous Support for Improving the Reverse Osmosis Performance of Aromatic Polyamide Thin Film Composite Membranes. <i>Polymers</i> , 2018, 10, 686.	2.0	23
47	Visible-Light-Induced Reversible Photochemical Crystal-Liquid Transitions of Azo-Switches for Smart and Robust Adhesives. <i>Chemistry of Materials</i> , 2022, 34, 2636-2644.	3.2	23
48	Computer Simulation Studies on the pH-Responsive Self-Assembly of Amphiphilic Carboxy-Terminated Polyester Dendrimers in Aqueous Solution. <i>Langmuir</i> , 2017, 33, 388-399.	1.6	22
49	Understanding the temperature effect on transport dynamics and structures in polyamide reverse osmosis system via molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29996-30005.	1.3	20
50	Emulsion-Assisted Polymerization-Induced Hierarchical Self-Assembly of Giant Sea Urchin-Like Aggregates on a Large Scale. <i>Angewandte Chemie</i> , 2018, 130, 8175-8179.	1.6	18
51	Bio-Inspired Supramolecular Membranes: A Pathway to Separation and Purification of Emerging Pollutants. <i>Separation and Purification Reviews</i> , 2020, 49, 20-36.	2.8	18
52	Shape Transformations of Vesicles Self-Assembled from Amphiphilic Hyperbranched Multiarm Copolymers via Simulation. <i>Langmuir</i> , 2019, 35, 6929-6938.	1.6	17
53	Supramolecular Proton Conductors Self-Assembled by Organic Cages. <i>Jacs Au</i> , 2022, 2, 819-826.	3.6	17
54	Molecular dynamics simulation studies of the structure and antifouling performance of a gradient polyamide membrane. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19995-20002.	1.3	16

#	ARTICLE	IF	CITATIONS
55	Light-triggered reversible "one-to-two" morphological transition in a latent double-amphiphilic linear-hyperbranched supramolecular block copolymer. <i>Chemical Communications</i> , 2016, 52, 8223-8226.	2.2	15
56	One-pot preparation of pomegranate-like polydopamine stabilized small gold nanoparticles with superior stability for recyclable nanocatalysts. <i>RSC Advances</i> , 2016, 6, 40698-40705.	1.7	15
57	A class of organic cages featuring twin cavities. <i>Nature Communications</i> , 2021, 12, 6124.	5.8	15
58	Single-Handed Double Helix and Spiral Platelet Formed by Racemate of Dissymmetric Cages. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15080-15086.	7.2	14
59	Aggregation-Induced Emission Fluorophore-Based Molecular Beacon for Differentiating Tumor and Normal Cells by Detecting the Specific and False-Positive Signals. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3618-3630.	2.6	13
60	Topological Effect on Macromonomer Polymerization. <i>Macromolecules</i> , 2021, 54, 6101-6108.	2.2	13
61	High- χ alternating copolymers for accessing sub-5 nm domains via simulations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 5577-5583.	1.3	12
62	Multigeometry Nanoparticles from the Orthogonal Self-Assembly of Block Alternating Copolymers via Simulation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8333-8340.	1.2	11
63	Solution self-assembly behavior of rod-alt-coil alternating copolymers via simulations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25148-25157.	1.3	11
64	Azobispyrazole Family as Photoswitches Combining (Near) Quantitative Bidirectional Isomerization and Widely Tunable Thermal Half-Lives from Hours to Years**. <i>Angewandte Chemie</i> , 2021, 133, 16675-16682.	1.6	11
65	HBP Builder: A Tool to Generate Hyperbranched Polymers and Hyperbranched Multi-Arm Copolymers for Coarse-grained and Fully Atomistic Molecular Simulations. <i>Scientific Reports</i> , 2016, 6, 26264.	1.6	10
66	Synergistic covalent-and-supramolecular polymers connected by [2]pseudorotaxane moieties. <i>Chemical Communications</i> , 2021, 57, 7374-7377.	2.2	10
67	Facile Preparation of Water-Soluble and Cytocompatible Small-Sized Chitosan-Polydopamine Nanoparticles. <i>Chinese Journal of Chemistry</i> , 2017, 35, 931-937.	2.6	9
68	MembrFactory: A Force Field and composition Double Independent Universal Tool for Constructing Polyamide Reverse Osmosis Membranes. <i>Journal of Computational Chemistry</i> , 2019, 40, 2432-2438.	1.5	9
69	Dual-Self-Restricted GFP Chromophore Analogues with Significantly Enhanced Emission. <i>Journal of Physical Chemistry B</i> , 2020, 124, 871-880.	1.2	9
70	Catenated Cages Mediated by Enthalpic Reaction Intermediates. <i>CCS Chemistry</i> , 2021, 3, 1838-1850.	4.6	9
71	Understanding the mechanism of nitrogen transport in the perfluorinated sulfonic-acid hydrated membranes via molecular dynamics simulations. <i>Journal of Membrane Science</i> , 2022, 648, 120328.	4.1	9
72	Molecular dynamics simulation studies of hyperbranched polyglycerols and their encapsulation behaviors of small drug molecules. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22446-22457.	1.3	8

#	ARTICLE	IF	CITATIONS
73	Asymmetric Polymersomes from an Oil-in-Oil Emulsion: A Computer Simulation Study. <i>Langmuir</i> , 2017, 33, 10084-10093.	1.6	8
74	De Novo Construction of Catenanes with Dissymmetric Cages by Space-Discriminative Post-Assembly Modification. <i>Angewandte Chemie</i> , 2020, 132, 7179-7187.	1.6	8
75	Multilayer onion-like vesicles self-assembled from amphiphilic hyperbranched multiarm copolymers via simulation. <i>Journal of Polymer Science</i> , 2020, 58, 704-715.	2.0	8
76	Bis-Anthracene Fused Porphyrin as an Efficient Photocatalyst: Facile Synthesis and Visible-Light-Driven Oxidative Coupling of Amines. <i>Chemistry - A European Journal</i> , 2020, 26, 16497-16503.	1.7	7
77	Asymmetric Vesicles Self-Assembled by Amphiphilic Sequence-Controlled Polymers. <i>ACS Macro Letters</i> , 2021, 10, 894-900.	2.3	7
78	Surface modification of polyamide reverse osmosis membranes with small-molecule zwitterions for enhanced fouling resistance: a molecular simulation study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 6623-6631.	1.3	7
79	Self-restricted oxazolone GFP chromophore for construction of reaction-based fluorescent probe toward dopamine. <i>Materials Today Chemistry</i> , 2017, 3, 73-81.	1.7	6
80	Endogenous nucleotide as drug carrier: base-paired guanosine-5'-monophosphate:pemetrexed vesicles with enhanced anticancer capability. <i>Science China Chemistry</i> , 2020, 63, 244-253.	4.2	6
81	<i>in silico</i> study of structure and water dynamics in CNT/polyamide nanocomposite reverse osmosis membranes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 22324-22331.	1.3	6
82	Azobenzene-functionalized graphene nanoribbons: bottom-up synthesis, photoisomerization behaviour and self-assembled structures. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10837-10843.	2.7	6
83	Computational design of Janus polymersomes with controllable fission from double emulsions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24934-24942.	1.3	5
84	Modification of poly(amide-urethane-imide) (PAUI) thin film composite reverse osmosis membrane with nano-silver particles. <i>RSC Advances</i> , 2018, 8, 37817-37827.	1.7	4
85	Modification of Polyamide-Urethane (PAU) Thin Film Composite Membrane for Improving the Reverse Osmosis Performance. <i>Polymers</i> , 2018, 10, 346.	2.0	4
86	Sulfanion-initiated open-vessel anionic ring-opening polymerization (AROP) of N-sulfonyl aziridines. <i>Science China Chemistry</i> , 2021, 64, 1778-1785.	4.2	3
87	A shish-kebab-like supramolecular polymer and its light-responsive self-assembly into nanofibers. <i>Polymer Chemistry</i> , 2021, 12, 1425-1428.	1.9	3
88	Single-Handed Double Helix and Spiral Platelet Formed by Racemate of Dissymmetric Cages. <i>Angewandte Chemie</i> , 2021, 133, 15207-15213.	1.6	2
89	Computer simulation studies of the influence of side alkyl chain on glass transition behavior of carbazole trimer. <i>Science China Chemistry</i> , 2017, 60, 377-384.	4.2	1
90	Frontispiece: Self-assembly of Amphiphilic Alternating Copolymers. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	1

#	ARTICLE	IF	CITATIONS
91	Coarse-Grained Model of Thiol-Epoxy-Based Alternating Copolymers in Explicit Solvents. Journal of Physical Chemistry B, 2022, 126, 1830-1841.	1.2	1
92	Membrane-Bound Inward-Growth of Artificial Cytoskeletons and Their Selective Disassembly. Angewandte Chemie - International Edition, 2022, 61, .	7.2	1
93	Membrane-Bound Inward-Growth of Artificial Cytoskeletons and Their Selective Disassembly. Angewandte Chemie, 2022, 134, .	1.6	0
94	Heterochiral Diastereomer-Discriminative Diphanes That Form Hierarchical Superstructures with Nonlinear Optical Properties. Jacs Au, 0, , .	3.6	0