

Jing Sun

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7787408/jing-sun-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

90
papers

2,487
citations

26
h-index

47
g-index

96
ext. papers

2,936
ext. citations

6.8
avg, IF

5.51
L-index

#	Paper	IF	Citations
90	Super-Strong, Nonswellable, and Biocompatible Hydrogels Inspired by Human Tendons.. <i>ACS Applied Materials & Interfaces</i> , 2022 , 14, 2638-2649	9.5	6
89	Antibacterial Copolypeptoids with Potent Activity against Drug Resistant Bacteria and Biofilms, Excellent Stability, and Recycling Property.. <i>Small</i> , 2022 , e2106936	11	3
88	Antibacterial Copolypeptoids with Potent Activity against Drug Resistant Bacteria and Biofilms, Excellent Stability, and Recycling Property (Small 11/2022). <i>Small</i> , 2022 , 18, 2270051	11	
87	Photo-triggered polymeric antimicrobial peptide mimics with excellent selectivity and antifouling and antimicrobial hydrogels. <i>Giant</i> , 2022 , 10, 100097	5.6	1
86	Preparation of a Novel Type of Zwitterionic Polymer and the Antifouling PDMS Coating. <i>Biomimetics</i> , 2022 , 7, 50	3.7	
85	Tunable Nanostructure Assembled from Dual-Responsive Crystalline Block Copolypeptoids. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 3919-3925	4.3	
84	Assessment and Prognostic Value of Immediate Changes in Post-Ablation Intratumor Density Heterogeneity of Pulmonary Tumors Radiomics-Based Computed Tomography Features. <i>Frontiers in Oncology</i> , 2021 , 11, 615174	5.3	0
83	Direct Synthesis of Crystalline Graphytetrayne A New Graphyne Allotrope. <i>CCS Chemistry</i> , 2021 , 3, 1368-1375	3.75	8
82	Triptycene-based three-dimensional covalent organic frameworks with stp topology of honeycomb structure. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 944-949	7.8	14
81	Effect of hydration on morphology of thin phosphonate block copolymer electrolyte membranes studied by electron tomography. <i>Polymer Engineering and Science</i> , 2021 , 61, 1104-1115	2.3	
80	Cd-MOF@PVDF Mixed-Matrix Membrane with Good Catalytic Activity and Recyclability for the Production of Benzimidazole and Amino Acid Derivatives. <i>Inorganic Chemistry</i> , 2021 , 60, 2087-2096	5.1	8
79	High Antibacterial Activity and Selectivity of the Versatile Polysulfoniums that Combat Drug Resistance. <i>Advanced Materials</i> , 2021 , 33, e2104402	24	24
78	Dimension control on self-assembly of a crystalline core-forming polypeptoid block copolymer: 1D nanofibers versus 2D nanosheets. <i>Polymer Chemistry</i> , 2021 , 12, 1147-1154	4.9	3
77	Fabrication of reversible pH-responsive aggregation-induced emission luminogens assisted by a block copolymer via a dynamic covalent bond. <i>Polymer Chemistry</i> , 2021 , 12, 2825-2831	4.9	3
76	Single-crystal structures of cucurbituril-based supramolecular host-guest complexes for bioimaging. <i>Chemical Communications</i> , 2021 , 57, 10190-10193	5.8	1
75	A convenient approach for antibacterial polypeptoids featuring sulfonium and oligo(ethylene glycol) subunits. <i>Biomaterials Science</i> , 2020 , 8, 6969-6977	7.4	13
74	Esterase-Responsive Polypeptide Vesicles as Fast-Response and Sustained-Release Nanocompartments for Fibroblast-Exempt Drug Delivery. <i>Biomacromolecules</i> , 2020 , 21, 5093-5103	6.9	7

73	Bioinspired and Mechanically Strong Fibers Based on Engineered Non-Spider Chimeric Proteins. <i>Angewandte Chemie</i> , 2020 , 132, 8225-8229	3.6	12
72	Engineered Near-Infrared Fluorescent Protein Assemblies for Robust Bioimaging and Therapeutic Applications. <i>Advanced Materials</i> , 2020 , 32, e2000964	24	25
71	Bioinspired and Mechanically Strong Fibers Based on Engineered Non-Spider Chimeric Proteins. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8148-8152	16.4	26
70	Morphological Transitions of Photoresponsive Vesicles from Amphiphilic Polypeptoid Copolymers for Controlled Release. <i>Polymers</i> , 2020 , 12,	4.5	2
69	Oligo(peptoid)s with Backbone Chirality from Aspartic Acid Derivatives: Synthesis and Property Investigation. <i>ACS Omega</i> , 2020 , 5, 33125-33132	3.9	0
68	Fabrication and Mechanical Properties of Engineered Protein-Based Adhesives and Fibers. <i>Advanced Materials</i> , 2020 , 32, e1906360	24	53
67	Supramolecular Nanodiscs Self-Assembled from Non-Ionic Heptamethine Cyanine for Imaging-Guided Cancer Photothermal Therapy. <i>Advanced Materials</i> , 2020 , 32, e1906711	24	50
66	Tunable LCST/UCST-Type Polypeptoids and Their Structure-Property Relationship. <i>Biomacromolecules</i> , 2020 , 21, 4980-4988	6.9	9
65	Hierarchical supramolecular assembly of a single peptoid polymer into a planar nanobrush with two distinct molecular packing motifs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 31639-31647	11.5	10
64	Thermoinduced Crystallization-Driven Self-Assembly of Bioinspired Block Copolymers in Aqueous Solution. <i>Biomacromolecules</i> , 2020 , 21, 3411-3419	6.9	9
63	Thermoresponsive Polypeptoids. <i>Polymers</i> , 2020 , 12,	4.5	8
62	Self-crosslinking assemblies with tunable nanostructures from photoresponsive polypeptoid-based block copolymers. <i>Polymer Chemistry</i> , 2020 , 11, 337-343	4.9	14
61	Robust Biological Fibers Based on Widely Available Proteins: Facile Fabrication and Suturing Application. <i>Small</i> , 2020 , 16, e1907598	11	21
60	Biomimetic polypeptoids with para-oligo(ethylene glycol) benzyl side-chains synthesized from α -Amino acids. <i>European Polymer Journal</i> , 2019 , 119, 281-288	5.2	9
59	Three layer-structured cadmium coordination polymers based on flexible 5-(4-pyridyl)-methoxylisophthalic acid: rapid synthesis and luminescence sensing. <i>CrystEngComm</i> , 2019 , 21, 1001-1008	3.3	13
58	Light- and Metal Ion-Induced Self-Assembly and Reassembly Based on Block Copolymers Containing a Photoresponsive Polypeptide Segment. <i>Macromolecules</i> , 2019 , 52, 4686-4693	5.5	23
57	Ring-Opening Polymerization of α -Amino Acid N-Carboxyanhydrides and Side-Chain Functionalized Polypeptides 2019 , 1-33		
56	Construction of two-dimensional supramolecular nanostructure with aggregation-induced emission effect via host-guest interactions. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1532-1537	7.8	10

55	Supramolecular Nanosheets Assembled from Poly(ethylene glycol)-b-poly(N-(2-phenylethyl)glycine) Diblock Copolymer Containing Crystallizable Hydrophobic Polypeptoid: Crystallization Driven Assembly Transition from Filaments to Nanosheets. <i>Macromolecules</i> , 2019 , 52, 1546-1556	5.5	37
54	Deep Belief Network for Fingerprinting-Based RFID Indoor Localization 2019 ,		10
53	Three helical chain-based 3D coordination polymers: solvent-induced syntheses, tunable structures and catalytic properties for the Strecker reaction. <i>CrystEngComm</i> , 2019 , 21, 5440-5447	3.3	6
52	Stimuli-Responsive Polypeptide-Based Supramolecular Hydrogels Mediated by Ca ²⁺ Ion Cross-Linking. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 1137-1141	4.9	7
51	Resolving the Morphology of Peptoid Vesicles at the 1 nm Length Scale Using Cryogenic Electron Microscopy. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 1195-1205	3.4	10
50	Dual-responsive pegylated polypeptoids with tunable cloud point temperatures. <i>Biopolymers</i> , 2019 , 110, e23243	2.2	11
49	Charge-Determined LCST/UCST Behavior in Ionic Polypeptoids. <i>Biomacromolecules</i> , 2018 , 19, 2109-2116	6.9	22
48	Design of Enzyme Micelles with Controllable Concavo-Convex Micromorphologies for Highly Enhanced Stability and Catalytic Activity. <i>Macromolecular Bioscience</i> , 2018 , 18, 1700312	5.5	4
47	Biomimetic pegylated polypeptoids with thermoresponsive properties. <i>Polymer</i> , 2018 , 138, 132-138	3.9	15
46	Multifunctional solid-state electrochemiluminescent chemosensors and aptasensor with free-standing active sites based on task-specific pyrene-terminated polymers via RAFT polymerization. <i>Analytica Chimica Acta</i> , 2018 , 1039, 31-40	6.6	8
45	Schiff base and reductive amination reactions of amino acids: a facile route toward N-alkylated amino acids and peptoid synthesis. <i>Polymer Chemistry</i> , 2018 , 9, 4617-4624	4.9	9
44	Crystallization-Driven Two-Dimensional Nanosheet from Hierarchical Self-Assembly of Polypeptoid-Based Diblock Copolymers. <i>Macromolecules</i> , 2018 , 51, 6344-6351	5.5	45
43	Peptoid applications in biomedicine and nanotechnology 2018 , 183-213		12
42	Enzyme responsive supramolecular hydrogels assembled from nonionic peptide amphiphiles. <i>Science China Chemistry</i> , 2018 , 61, 1314-1319	7.9	6
41	pH-Responsive Peptide Supramolecular Hydrogels with Antibacterial Activity. <i>Langmuir</i> , 2017 , 33, 3234-3240	4.4	64
40	Biomimetic polypeptides with reversible pH-dependent thermal responsive property. <i>Polymer</i> , 2017 , 118, 173-179	3.9	9
39	A New Four-Arm Organosiloxane with Thermopolymerizable Trifluorovinyl ether Groups: Synthesis and Conversion to the Polymer with both Low Dielectric Constant and Low Water Uptake. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700010	2.6	6
38	Two-Dimensional Supramolecular Assemblies from pH-Responsive Poly(ethyl glycol)-b-poly(L-glutamic acid)-b-poly(N-octylglycine) Triblock Copolymer. <i>Biomacromolecules</i> , 2017 , 18, 3367-3374	6.9	29

37	Dual thermal- and pH-responsive polypeptide-based hydrogels. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 1243-1252	3.5	14
36	A spiro-centered thermopolymerizable fluorinated macromonomer: synthesis and conversion to the high performance polymer. <i>RSC Advances</i> , 2017 , 7, 18861-18866	3.7	8
35	Nano-mechanical characterization of disassembling amyloid fibrils using the Peak Force QNM method. <i>Biopolymers</i> , 2017 , 107, 61-69	2.2	12
34	Biodegradable thermal- and redox-responsive poly(L-glutamate) with Y-shaped oligo(ethylene glycol) side-chain and tunable phase transition temperature. <i>RSC Advances</i> , 2016 , 6, 70243-70250	3.7	24
33	Extremely Stable Supramolecular Hydrogels Assembled from Nonionic Peptide Amphiphiles. <i>Langmuir</i> , 2016 , 32, 7512-8	4	23
32	Aqueous Self-Assembly of a Protein-Mimetic Ampholytic Block Copolypeptide. <i>Macromolecules</i> , 2016 , 49, 5494-5501	5.5	24
31	Thermal and redox dual responsive poly(L-glutamate) with oligo(ethylene glycol) side-chains. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016 , 34, 1436-1447	3.5	20
30	A Novel Thermo-Polymerizable Aromatic Diamine: Synthesis and Application in Enhancement of the Properties of Conventional Polyimides. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 856-862	2.6	11
29	Self-assembly of crystalline nanotubes from monodisperse amphiphilic diblock copolypeptoid tiles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3954-9	11.5	91
28	Macromol. Chem. Phys. 7/2016. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 924-924	2.6	
27	Morphology and Proton Transport in Humidified Phosphonated Peptoid Block Copolymers. <i>Macromolecules</i> , 2016 , 49, 3083-3090	5.5	32
26	A novel one-pot synthesized organosiloxane: synthesis and conversion to directly thermo-crosslinked polysiloxanes with low dielectric constants and excellent thermostability. <i>Polymer Chemistry</i> , 2015 , 6, 5984-5988	4.9	39
25	New Fluoropolymers Having Both Low Water Uptake and a Low Dielectric Constant. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 2302-2308	2.6	26
24	Propargyl ether-functionalized poly(m-phenylene): a new precursor for the preparation of polymers with high modulus and high Tg. <i>RSC Advances</i> , 2015 , 5, 23009-23014	3.7	10
23	3D lanthanide metal-organic frameworks constructed from lanthanide formate skeletons and 3,5-bis(4?-carboxy-phenyl)-1,2,4-triazole connectors: synthesis, structure and luminescence. <i>RSC Advances</i> , 2015 , 5, 106107-106112	3.7	8
22	Crystallization in sequence-defined peptoid diblock copolymers induced by microphase separation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2070-7	16.4	57
21	Morphology-conductivity relationship in crystalline and amorphous sequence-defined peptoid block copolymer electrolytes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14990-7	16.4	55
20	Co-salen functionalized on graphene as an efficient heterogeneous catalyst for cyclohexene oxidation. <i>Journal of Energy Chemistry</i> , 2013 , 22, 48-51	12	11

19	Nanoscale phase separation in sequence-defined peptoid diblock copolymers. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14119-24	16.4	44
18	Generalized and high temperature synthesis of a series of crystalline mesoporous metal oxides based nanocomposites with enhanced catalytic activities for benzene combustion. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4089	13	29
17	Copper-Incorporated Porous Polydivinylbenzene as Efficient and Recyclable Heterogeneous Catalyst in Ullmann Biaryl Ether Coupling. <i>ChemCatChem</i> , 2013 , 5, 1606-1613	5.2	24
16	Peptoid polymers: a highly designable bioinspired material. <i>ACS Nano</i> , 2013 , 7, 4715-32	16.7	298
15	Sulfated graphene as an efficient solid catalyst for acid-catalyzed liquid reactions. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5495		219
14	Structure-Conductivity Relationship for Peptoid-Based PEO-Mimetic Polymer Electrolytes. <i>Macromolecules</i> , 2012 , 45, 5151-5156	5.5	113
13	Thiol-Ene Clickable Polypeptides. <i>Macromolecules</i> , 2010 , 43, 4445-4448	5.5	138
12	Application of the biodegradable diblock copolymer poly(L-lactide)-block-poly(L-cysteine): Drug delivery and protein conjugation. <i>Journal of Applied Polymer Science</i> , 2010 , 118, n/a-n/a	2.9	1
11	A Novel Biodegradable and Light-Breakable Diblock Copolymer Micelle for Drug Delivery. <i>Advanced Engineering Materials</i> , 2009 , 11, B7-B11	3.5	15
10	Extraction and Characterization of Papilla-like Biosilica from Rice Hulls. <i>Chinese Journal of Chemistry</i> , 2009 , 27, 1031-1034	4.9	0
9	PLLA-PCys co-electrospun fibers for capture and elution of glutathione S-transferase. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 2033-2037		6
8	Oxygen carrier based on hemoglobin/poly(L-lysine)-block-poly(L-phenylalanine) vesicles. <i>Langmuir</i> , 2009 , 25, 13726-9	4	46
7	Formation of reversible shell cross-linked micelles from the biodegradable amphiphilic diblock copolymer poly(L-cysteine)-block-poly(L-lactide). <i>Langmuir</i> , 2008 , 24, 10099-106	4	74
6	Synthesis of robust water-soluble ZnS:Mn/SiO ₂ core/shell nanoparticles. <i>Journal of Nanoparticle Research</i> , 2008 , 10, 653-658	2.3	27
5	Self-Assembly of a Hydrophobic Polypeptide Containing a Short Hydrophilic Middle Segment: Vesicles to Large Compound Micelles. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 1129-1136	2.6	25
4	Direct formation of giant vesicles from synthetic polypeptides. <i>Langmuir</i> , 2007 , 23, 8308-15	4	98
3	RGD peptide grafted biodegradable amphiphilic triblock copolymer poly(glutamic acid)-b-poly(L-lactide)-b-poly(glutamic acid): Synthesis and self-assembly. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 3218-3230	2.5	45
2	Self-assembly of polypeptide-containing ABC-type triblock copolymers in aqueous solution and its pH dependence. <i>Biomacromolecules</i> , 2007 , 8, 1013-7	6.9	47

- 1 Effect of ultrasonic treatment on dispersibility of Fe₃O₄ nanoparticles and synthesis of multi-core Fe₃O₄/SiO₂ core/shell nanoparticles. *Journal of Materials Chemistry*, **2005**, 15, 4252