Jing Sun

List of Publications by Citations

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	Peptoid polymers: a highly designable bioinspired material. *ACS Nano*, **2013**, 7, 4715-32	16.7	298
89	Sulfated graphene as an efficient solid catalyst for acid-catalyzed liquid reactions. *Journal of Materials Chemistry*, **2012**, 22, 5495		219
88	Thiol–Ene Clickable Polypeptides. *Macromolecules*, **2010**, 43, 4445-4448	5.5	138
87	Structure–Conductivity Relationship for Peptoid-Based PEO-Mimetic Polymer Electrolytes. *Macromolecules*, **2012**, 45, 5151-5156	5.5	113
86	Direct formation of giant vesicles from synthetic polypeptides. *Langmuir*, **2007**, 23, 8308-15	4	98
85	Self-assembly of crystalline nanotubes from monodisperse amphiphilic diblock copolypeptoid tiles. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 3954-9	11.5	91
84	Formation of reversible shell cross-linked micelles from the biodegradable amphiphilic diblock copolymer poly(L-cysteine)-block-poly(L-lactide). *Langmuir*, **2008**, 24, 10099-106	4	74
83	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		74
82	pH-Responsive Peptide Supramolecular Hydrogels with Antibacterial Activity. *Langmuir*, **2017**, 33, 3234-3240	4	64
81	Crystallization in sequence-defined peptoid diblock copolymers induced by microphase separation. *Journal of the American Chemical Society*, **2014**, 136, 2070-7	16.4	57
80	Morphology-conductivity relationship in crystalline and amorphous sequence-defined peptoid block copolymer electrolytes. *Journal of the American Chemical Society*, **2014**, 136, 14990-7	16.4	55
79	Fabrication and Mechanical Properties of Engineered Protein-Based Adhesives and Fibers. *Advanced Materials*, **2020**, 32, e1906360	24	53
78	Supramolecular Nanodiscs Self-Assembled from Non-Ionic Heptamethine Cyanine for Imaging-Guided Cancer Photothermal Therapy. *Advanced Materials*, **2020**, 32, e1906711	24	50
77	Self-assembly of polypeptide-containing ABC-type triblock copolymers in aqueous solution and its pH dependence. *Biomacromolecules*, **2007**, 8, 1013-7	6.9	47
76	Oxygen carrier based on hemoglobin/poly(L-lysine)-block-poly(L-phenylalanine) vesicles. *Langmuir*, **2009**, 25, 13726-9	4	46
75	Crystallization-Driven Two-Dimensional Nanosheet from Hierarchical Self-Assembly of Polypeptoid-Based Diblock Copolymers. *Macromolecules*, **2018**, 51, 6344-6351	5.5	45
74	RGD peptide grafted biodegradable amphiphilic triblock copolymer poly(glutamic acid)-b-poly(L-lactide)-b-poly(glutamic acid): Synthesis and self-assembly. *Journal of Polymer Science Part A*, **2007**, 45, 3218-3230	2.5	45

73	Nanoscale phase separation in sequence-defined peptoid diblock copolymers. *Journal of the American Chemical Society*, **2013**, 135, 14119-24	16.4	44
72	A novel one-pot synthesized organosiloxane: synthesis and conversion to directly thermo-crosslinked polysiloxanes with low dielectric constants and excellent thermostability. *Polymer Chemistry*, **2015**, 6, 5984-5988	4.9	39
71	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. *Macromolecules*, **2019**, 52, 1546-1556	5.5	37
70	Morphology and Proton Transport in Humidified Phosphonated Peptoid Block Copolymers. *Macromolecules*, **2016**, 49, 3083-3090	5.5	32
69	Two-Dimensional Supramolecular Assemblies from pH-Responsive Poly(ethyl glycol)-b-poly(l-glutamic acid)-b-poly(N-octylglycine) Triblock Copolymer. *Biomacromolecules*, **2017**, 18, 3367-3374	6.9	29
68	Generalized and high temperature synthesis of a series of crystalline mesoporous metal oxides based nanocomposites with enhanced catalytic activities for benzene combustion. *Journal of Materials Chemistry A*, **2013**, 1, 4089	13	29
67	Synthesis of robust water-soluble ZnS:Mn/SiO2 core/shell nanoparticles. *Journal of Nanoparticle Research*, **2008**, 10, 653-658	2.3	27
66	Bioinspired and Mechanically Strong Fibers Based on Engineered Non-Spider Chimeric Proteins. *Angewandte Chemie - International Edition*, **2020**, 59, 8148-8152	16.4	26
65	New Fluoropolymers Having Both Low Water Uptake and a Low Dielectric Constant. *Macromolecular Chemistry and Physics*, **2015**, 216, 2302-2308	2.6	26
64	Engineered Near-Infrared Fluorescent Protein Assemblies for Robust Bioimaging and Therapeutic Applications. *Advanced Materials*, **2020**, 32, e2000964	24	25
63	Self-Assembly of a Hydrophobic Polypeptide Containing a Short Hydrophilic Middle Segment: Vesicles to Large Compound Micelles. *Macromolecular Chemistry and Physics*, **2008**, 209, 1129-1136	2.6	25
62	Biodegradable thermal- and redox-responsive poly(L-glutamate) with Y-shaped oligo(ethylene glycol) side-chain and tunable phase transition temperature. *RSC Advances*, **2016**, 6, 70243-70250	3.7	24
61	Aqueous Self-Assembly of a Protein-Mimetic Ampholytic Block Copolypeptide. *Macromolecules*, **2016**, 49, 5494-5501	5.5	24
60	Copper-Incorporated Porous Polydivinylbenzene as Efficient and Recyclable Heterogeneous Catalyst in Ullmann Biaryl Ether Coupling. *ChemCatChem*, **2013**, 5, 1606-1613	5.2	24
59	High Antibacterial Activity and Selectivity of the Versatile Polysulfoniums that Combat Drug Resistance. *Advanced Materials*, **2021**, 33, e2104402	24	24
58	Light- and Metal Ion-Induced Self-Assembly and Reassembly Based on Block Copolymers Containing a Photoresponsive Polypeptide Segment. *Macromolecules*, **2019**, 52, 4686-4693	5.5	23
57	Extremely Stable Supramolecular Hydrogels Assembled from Nonionic Peptide Amphiphiles. *Langmuir*, **2016**, 32, 7512-8	4	23
56	Charge-Determined LCST/UCST Behavior in Ionic Polypeptoids. *Biomacromolecules*, **2018**, 19, 2109-2116	6.9	22

55	Robust Biological Fibers Based on Widely Available Proteins: Facile Fabrication and Suturing Application. *Small*, **2020**, 16, e1907598	11	21
54	Thermal and redox dual responsive poly(L-glutamate) with oligo(ethylene glycol) side-chains. *Chinese Journal of Polymer Science (English Edition)*, **2016**, 34, 1436-1447	3.5	20
53	Biomimetic pegylated polypeptoids with thermoresponsive properties. *Polymer*, **2018**, 138, 132-138	3.9	15
52	A Novel Biodegradable and Light-Breakable Diblock Copolymer Micelle for Drug Delivery. *Advanced Engineering Materials*, **2009**, 11, B7-B11	3.5	15
51	Dual thermal- and pH-responsive polypeptide-based hydrogels. *Chinese Journal of Polymer Science (English Edition)*, **2017**, 35, 1243-1252	3.5	14
50	Self-crosslinking assemblies with tunable nanostructures from photoresponsive polypeptoid-based block copolymers. *Polymer Chemistry*, **2020**, 11, 337-343	4.9	14
49	Triptycene-based three-dimensional covalent organic frameworks with stp topology of honeycomb structure. *Materials Chemistry Frontiers*, **2021**, 5, 944-949	7.8	14
48	Three layer-structured cadmium coordination polymers based on flexible 5-(4-pyridyl)-methoxylisophthalic acid: rapid synthesis and luminescence sensing. *CrystEngComm*, **2019**, 21, 1001-1008	3.3	13
47	A convenient approach for antibacterial polypeptoids featuring sulfonium and oligo(ethylene glycol) subunits. *Biomaterials Science*, **2020**, 8, 6969-6977	7.4	13
46	Bioinspired and Mechanically Strong Fibers Based on Engineered Non-Spider Chimeric Proteins. *Angewandte Chemie*, **2020**, 132, 8225-8229	3.6	12
45	Nano-mechanical characterization of disassembling amyloid fibrils using the Peak Force QNM method. *Biopolymers*, **2017**, 107, 61-69	2.2	12
44	Peptoid applications in biomedicine and nanotechnology **2018**, 183-213		12
43	A Novel Thermo-Polymerizable Aromatic Diamine: Synthesis and Application in Enhancement of the Properties of Conventional Polyimides. *Macromolecular Chemistry and Physics*, **2016**, 217, 856-862	2.6	11
42	Co-salen functionalized on graphene as an efficient heterogeneous catalyst for cyclohexene oxidation. *Journal of Energy Chemistry*, **2013**, 22, 48-51	12	11
41	Dual-responsive pegylated polypeptoids with tunable cloud point temperatures. *Biopolymers*, **2019**, 110, e23243	2.2	11
40	Construction of two-dimensional supramolecular nanostructure with aggregation-induced emission effect via host–guest interactions. *Materials Chemistry Frontiers*, **2019**, 3, 1532-1537	7.8	10
39	Deep Belief Network for Fingerprinting-Based RFID Indoor Localization **2019**,		10
38	Propargyl ether-functionalized poly(m-phenylene): a new precursor for the preparation of polymers with high modulus and high Tg. *RSC Advances*, **2015**, 5, 23009-23014	3.7	10

37	Hierarchical supramolecular assembly of a single peptoid polymer into a planar nanobrush with two distinct molecular packing motifs. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 31639-31647	11.5	10
36	Resolving the Morphology of Peptoid Vesicles at the 1 nm Length Scale Using Cryogenic Electron Microscopy. *Journal of Physical Chemistry B*, **2019**, 123, 1195-1205	3.4	10
35	Biomimetic polypeptides with reversible pH-dependent thermal responsive property. *Polymer*, **2017**, 118, 173-179	3.9	9
34	Biomimetic polypeptoids with para-oligo(ethylene glycol) benzyl side-chains synthesized from □Amino acids. *European Polymer Journal*, **2019**, 119, 281-288	5.2	9
33	Schiff base and reductive amination reactions of □amino acids: a facile route toward N-alkylated amino acids and peptoid synthesis. *Polymer Chemistry*, **2018**, 9, 4617-4624	4.9	9
32	Tunable LCST/UCST-Type Polypeptoids and Their Structure-Property Relationship. *Biomacromolecules*, **2020**, 21, 4980-4988	6.9	9
31	Thermoinduced Crystallization-Driven Self-Assembly of Bioinspired Block Copolymers in Aqueous Solution. *Biomacromolecules*, **2020**, 21, 3411-3419	6.9	9
30	Multifunctional solid-state electrochemiluminescent chemosensors and aptasensor with free-standing active sites based on task-specific pyrene-terminated polymers via RAFT polymerization. *Analytica Chimica Acta*, **2018**, 1039, 31-40	6.6	8
29	A spiro-centered thermopolymerizable fluorinated macromonomer: synthesis and conversion to the high performance polymer. *RSC Advances*, **2017**, 7, 18861-18866	3.7	8
28	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. *RSC Advances*, **2015**, 5, 106107-106112	3.7	8
27	Thermoresponsive Polypeptoids. *Polymers*, **2020**, 12,	4.5	8
26	Direct Synthesis of Crystalline Graphtetrayne□A New Graphyne Allotrope. *CCS Chemistry*, **2021**, 3, 1368-1375	7.5	8
25	Cd-MOF@PVDF Mixed-Matrix Membrane with Good Catalytic Activity and Recyclability for the Production of Benzimidazole and Amino Acid Derivatives. *Inorganic Chemistry*, **2021**, 60, 2087-2096	5.1	8
24	Esterase-Responsive Polypeptide Vesicles as Fast-Response and Sustained-Release Nanocompartments for Fibroblast-Exempt Drug Delivery. *Biomacromolecules*, **2020**, 21, 5093-5103	6.9	7
23	Stimuli-Responsive Polypeptide-Based Supramolecular Hydrogels Mediated by Ca2+ Ion Cross-Linking. *Chinese Journal of Chemistry*, **2019**, 37, 1137-1141	4.9	7
22	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. *Macromolecular Chemistry and Physics*, **2017**, 218, 1700010	2.6	6
21	Three helical chain-based 3D coordination polymers: solvent-induced syntheses, tunable structures and catalytic properties for the Strecker reaction. *CrystEngComm*, **2019**, 21, 5440-5447	3.3	6
20	PLLA-PCys co-electrospun fibers for capture and elution of glutathione S-transferase. *Science in China Series B: Chemistry*, **2009**, 52, 2033-2037		6

19	Super-Strong, Nonswellable, and Biocompatible Hydrogels Inspired by Human Tendons.. *ACS Applied Materials & Interfaces*, **2022**, 14, 2638-2649	9.5	6
18	Enzyme responsive supramolecular hydrogels assembled from nonionic peptide amphiphiles. *Science China Chemistry*, **2018**, 61, 1314-1319	7.9	6
17	Design of Enzyme Micelles with Controllable Concavo-Convex Micromorphologies for Highly Enhanced Stability and Catalytical Activity. *Macromolecular Bioscience*, **2018**, 18, 1700312	5.5	4
16	Antibacterial Copolypeptoids with Potent Activity against Drug Resistant Bacteria and Biofilms, Excellent Stability, and Recycling Property.. *Small*, **2022**, e2106936	11	3
15	Dimension control on self-assembly of a crystalline core-forming polypeptoid block copolymer: 1D nanofibers versus 2D nanosheets. *Polymer Chemistry*, **2021**, 12, 1147-1154	4.9	3
14	Fabrication of reversible pH-responsive aggregation-induced emission luminogens assisted by a block copolymer via a dynamic covalent bond. *Polymer Chemistry*, **2021**, 12, 2825-2831	4.9	3
13	Morphological Transitions of Photoresponsive Vesicles from Amphiphilic Polypeptoid Copolymers for Controlled Release. *Polymers*, **2020**, 12,	4.5	2
12	Application of the biodegradable diblock copolymer poly(L-lactide)-block-poly(L-cysteine): Drug delivery and protein conjugation. *Journal of Applied Polymer Science*, **2010**, 118, n/a-n/a	2.9	1
11	Single-crystal structures of cucurbituril-based supramolecular host-guest complexes for bioimaging. *Chemical Communications*, **2021**, 57, 10190-10193	5.8	1
10	Photo-triggered polymeric antimicrobial peptide mimics with excellent selectivity and antifouling and antimicrobial hydrogels. *Giant*, **2022**, 10, 100097	5.6	1
9	Extraction and Characterization of Papilla-like Biosilica from Rice Hulls. *Chinese Journal of Chemistry* , **2009**, 27, 1031-1034	4.9	0
8	Assessment and Prognostic Value of Immediate Changes in Post-Ablation Intratumor Density Heterogeneity of Pulmonary Tumors Radiomics-Based Computed Tomography Features. *Frontiers in Oncology*, **2021**, 11, 615174	5.3	0
7	Oligo(□peptoid)s with Backbone Chirality from Aspartic Acid Derivatives: Synthesis and Property Investigation. *ACS Omega*, **2020**, 5, 33125-33132	3.9	0
6	Ring-Opening Polymerization of □Amino Acid N-Carboxyanhydrides and Side-Chain Functionalized Polypeptides **2019**, 1-33		
5	Macromol. Chem. Phys. 7/2016. *Macromolecular Chemistry and Physics*, **2016**, 217, 924-924	2.6	
4	Effect of hydration on morphology of thin phosphonate block copolymer electrolyte membranes studied by electron tomography. *Polymer Engineering and Science*, **2021**, 61, 1104-1115	2.3	
3	Antibacterial Copolypeptoids with Potent Activity against Drug Resistant Bacteria and Biofilms, Excellent Stability, and Recycling Property (Small 11/2022). *Small*, **2022**, 18, 2270051	11	
2	Preparation of a Novel Type of Zwitterionic Polymer and the Antifouling PDMS Coating. *Biomimetics*, **2022**, 7, 50	3.7	

1	Tunable Nanostructure Assembled from Dual-Responsive Crystalline Block Copolypeptoids. *ACS Applied Polymer Materials*, **2022**, 4, 3919-3925	4.3