

# Min Zhou

## List of Publications by Year in descending order

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51  
papers

1,923  
citations

304743

22  
h-index

265206

42  
g-index

54  
all docs

54  
docs citations

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times ranked

2262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Spillover-Bridged Volmer/Tafel Processes Enabling Ampere-Level Current Density Alkaline Hydrogen Evolution Reaction under Low Overpotential. <i>Journal of the American Chemical Society</i> , 2022, 144, 6028-6039.	13.7	179
2	Graphene/Carbon-Coated Si Nanoparticle Hybrids as High-Performance Anode Materials for Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 3449-3455.	8.0	171
3	Poly(2-oxazoline)-Based Functional Peptide Mimics: Eradicating MRSA Infections and Persisters while Alleviating Antimicrobial Resistance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6412-6419.	13.8	162
4	Addressing MRSA infection and antibacterial resistance with peptoid polymers. <i>Nature Communications</i> , 2021, 12, 5898.	12.8	97
5	Structure and biological properties of mixed-ligand Cu(II) Schiff base complexes as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 134, 207-217.	5.5	90
6	Therapeutic strategies against bacterial biofilms. <i>Fundamental Research</i> , 2021, 1, 193-212.	3.3	84
7	Host defense peptide mimicking poly- $\beta$ -peptides with fast, potent and broad spectrum antibacterial activities. <i>Biomaterials Science</i> , 2019, 7, 2144-2151.	5.4	83
8	Practical Preparation of Infection-Resistant Biomedical Surfaces from Antimicrobial $\beta$ -Peptide Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 18907-18913.	8.0	77
9	Pd single-atom monolithic catalyst: Functional 3D structure and unique chemical selectivity in hydrogenation reaction. <i>Science China Materials</i> , 2021, 64, 1919-1929.	6.3	75
10	Zinc oxide/silver bimetallic nanoencapsulated in PVP/PCL nanofibres for improved antibacterial activity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1248-1257.	2.8	69
11	Bio-Inspired Protein-Based Nanoformulations for Cancer Theranostics. <i>Frontiers in Pharmacology</i> , 2018, 9, 421.	3.5	68
12	Synthesis of honeycomb MnO <sub>2</sub> nanospheres/carbon nanoparticles/graphene composites as electrode materials for supercapacitors. <i>Applied Surface Science</i> , 2015, 357, 1024-1030.	6.1	57
13	Facile synthesis of novel Si nanoparticles@graphene composites as high-performance anode materials for Li-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11394.	2.8	54
14	Water-insensitive Synthesis of Poly( $\beta$ -peptides with Defined Architecture. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7240-7244.	13.8	50
15	Short Guanidinium-Functionalized Poly(2-oxazoline)s Displaying Potent Therapeutic Efficacy on Drug-Resistant Fungal Infections. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202200778.	13.8	37
16	Co-delivery nanoparticles with characteristics of intracellular precision release drugs for overcoming multidrug resistance. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2081-2108.	6.7	36
17	Superfast and Water-insensitive Polymerization on $\beta$ -Amino Acid <i>N</i> -Carboxyanhydrides to Prepare Polypeptides Using Tetraalkylammonium Carboxylate as the Initiator. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26063-26071.	13.8	33
18	Rattle-Type Gold Nanorods/Porous-SiO <sub>2</sub> Nanocomposites as Near-Infrared Light-Activated Drug Delivery Systems for Cancer Combined Chemo-Photothermal Therapy. <i>Molecular Pharmaceutics</i> , 2019, 16, 1929-1938.	4.6	30

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19	Breaking or following the membrane-targeting mechanism: Exploring the antibacterial mechanism of host defense peptide mimicking poly(2-oxazoline)s. <i>Journal of Materials Science and Technology</i> , 2020, 59, 220-226.	10.7	30
20	Fabrication of viable and functional prevascularized modular bone tissues by coculturing MSCs and HUVECs on microcarriers in spinner flasks. <i>Biotechnology Journal</i> , 2017, 12, 1700008.	3.5	27
21	Heterochiral $\beta$ -Peptide Polymers Combating Multidrug-Resistant Cancers Effectively without Inducing Drug Resistance. <i>Journal of the American Chemical Society</i> , 2022, 144, 7283-7294.	13.7	26
22	Mesoporous silica-coated gold nanostars with drug payload for combined chemo-photothermal cancer therapy. <i>Journal of Drug Targeting</i> , 2019, 27, 201-210.	4.4	24
23	Spontaneous Crystallization at the Air/Water Interface: An Unusual Feature of Gemini Surfactant with a Rigid Spacer. <i>Langmuir</i> , 2006, 22, 10877-10879.	3.5	22
24	Peptide-Mimicking Poly(2-oxazoline)s Displaying Potent Antimicrobial Properties. <i>ChemMedChem</i> , 2021, 16, 309-315.	3.2	22
25	Loss of PRMT7 reprograms glycine metabolism to selectively eradicate leukemia stem cells in CML. <i>Cell Metabolism</i> , 2022, 34, 818-835.e7.	16.2	22
26	Different polyaniline/carbon nanotube composites as Pt catalyst supports for methanol electro-oxidation. <i>Journal of Materials Science</i> , 2015, 50, 1159-1168.	3.7	21
27	Alkali-metal hexamethyldisilazide initiated polymerization on alpha-amino acid N-substituted N-carboxyanhydrides for facile polypeptoid synthesis. <i>Chinese Chemical Letters</i> , 2021, 32, 1675-1678.	9.0	20
28	Optimally Selecting Photo- and Electrocatalysis to Facilitate CH <sub>4</sub> Activation on TiO <sub>2</sub> (110) Surface: Localized Photoexcitation versus Global Electric-Field Polarization. <i>Jacs Au</i> , 2022, 2, 188-196.	7.9	20
29	Microbial Metabolite Inspired $\beta$ -Peptide Polymers Displaying Potent and Selective Antifungal Activity. <i>Advanced Science</i> , 2022, 9, e2104871.	11.2	19
30	An Effective Strategy to Develop Potent and Selective Antifungal Agents from Cell Penetrating Peptides in Tackling Drug-Resistant Invasive Fungal Infections. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 7296-7311.	6.4	19
31	Ectopic Osteogenesis of Macroscopic Tissue Constructs Assembled from Human Mesenchymal Stem Cell-Laden Microcarriers through In Vitro Perfusion Culture. <i>PLoS ONE</i> , 2014, 9, e109214.	2.5	18
32	Cardioprotective effects and underlying mechanism of Radix Salviae miltiorrhiza and Lignum Dalbergiae odorifera in a pig chronic myocardial ischemia model. <i>International Journal of Molecular Medicine</i> , 2018, 42, 2628-2640.	4.0	18
33	Paeonol Attenuated Vascular Fibrosis Through Regulating Treg/Th17 Balance in a Gut Microbiota-Dependent Manner. <i>Frontiers in Pharmacology</i> , 2021, 12, 765482.	3.5	18
34	Synthesis of poly- $\beta$ -peptides with tunable sequence via the copolymerization on N-carboxyanhydride and N-thiocarboxyanhydride. <i>IScience</i> , 2021, 24, 103124.	4.1	15
35	Synthesis and electrochemical performances of a novel two-dimensional nanocomposite: polyaniline-coated laponite nanosheets. <i>Journal of Materials Science</i> , 2014, 49, 6830-6837.	3.7	14
36	Poly(2-oxazoline)-Based Functional Peptide Mimics: Eradicating MRSA Infections and Persisters while Alleviating Antimicrobial Resistance. <i>Angewandte Chemie</i> , 2020, 132, 6474-6481.	2.0	14

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37	Synthesis and capacitive performance of two-dimensional sandwich-like graphene/nitrogen-doped carbon nanoparticle composites with tunable textural parameters and nitrogen content. <i>New Journal of Chemistry</i> , 2013, 37, 4148.	2.8	12
38	Cooperative Motion in Waterâ€“Methanol Clusters Controls the Reaction Rates of Heterogeneous Photocatalytic Reactions. <i>Journal of the American Chemical Society</i> , 2021, 143, 10940-10947.	13.7	12
39	Solvent Water Controls Photocatalytic Methanol Reforming. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3738-3744.	4.6	11
40	Biodegradable peptide polymers as alternatives to antibiotics used in aquaculture. <i>Biomaterials Science</i> , 2022, 10, 4193-4207.	5.4	10
41	Targeting protein lysine methyltransferase G9A impairs self-renewal of chronic myelogenous leukemia stem cells via upregulation of SOX6. <i>Oncogene</i> , 2021, 40, 3564-3577.	5.9	8
42	Facile synthesis of polypeptoids bearing bulky sidechains <i>via</i> urea accelerated ring-opening polymerization of $\hat{\alpha}$ -amino acid <i>N</i> -substituted <i>N</i> -carboxyanhydrides. <i>Polymer Chemistry</i> , 2022, 13, 420-426.	3.9	8
43	Controllable Polymerization of <i>N</i> -Substituted $\hat{\alpha}$ -Alanine <i>N</i> -Thiocarboxyanhydrides for Convenient Synthesis of Functional Poly( $\hat{\alpha}$ -peptoid)s. <i>CCS Chemistry</i> , 2023, 5, 994-1004.	7.8	8
44	Superfast and Waterâ€“Insensitive Polymerization on $\hat{\alpha}$ -Amino Acid <i>N</i> -Carboxyanhydrides to Prepare Polypeptides Using Tetraalkylammonium Carboxylate as the Initiator. <i>Angewandte Chemie</i> , 2021, 133, 26267-26275.	2.0	5
45	Statistic Copolymers Working as Growth Factorâ€“Binding Mimics of Fibronectin. <i>Advanced Science</i> , 2022, 9, e2200775.	11.2	5
46	The Anti-Inflammatory Effect of Feiyangchangweiyan Capsule and Its Main Components on Pelvic Inflammatory Disease in Rats via the Regulation of the NF- $\kappa$ B and BAX/BCL-2 Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-11.	1.2	4
47	Controlled copolymerization of $\hat{\alpha}$ -NCAs and $\hat{\alpha}$ -NNTAs for preparing peptide/peptoid hybrid polymers with adjustable proteolysis. <i>Polymer Chemistry</i> , 2022, 13, 388-394.	3.9	4
48	Host defense peptide mimicking cyclic peptoid polymers exerting strong activity against drug-resistant bacteria. <i>Biomaterials Science</i> , 2022, 10, 4515-4524.	5.4	4
49	Waterâ€“Insensitive Synthesis of Poly( $\hat{\alpha}$ -Peptides with Defined Architecture. <i>Angewandte Chemie</i> , 2020, 132, 7307-7311.	2.0	3
50	Short Guanidiniumâ€“Functionalized Poly(2-oxazoline)s Displaying Potent Therapeutic Efficacy on Drugâ€“Resistant Fungal Infections. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
51	Innentitelbild: Poly(2-Oxazoline)-Based Functional Peptide Mimics: Eradicating MRSA Infections and Persists while Alleviating Antimicrobial Resistance ( <i>Angew. Chem.</i> 16/2020). <i>Angewandte Chemie</i> , 2020, 132, 6354-6354.	2.0	2