

# Yashao Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2984356/publications.pdf>

Version: 2024-02-01

31  
papers

506  
citations

840776

11  
h-index

677142

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of multifunctional micro-patterned PALNMA/PDADMAC/PEGDA hydrogel and intelligently responsive antibacterial coating HA/BBR on Mg alloy surface for orthopedic application. <i>Materials Science and Engineering C</i> , 2022, 132, 112636.	7.3	9
2	Experimental Study on Application Performance of Foamed Concrete Prepared Based on a New Composite Foaming Agent. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-20.	1.8	1
3	Rational design of dual-functional surfaces on polypropylene with antifouling and antibacterial performances via a micropatterning strategy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3759-3769.	5.8	4
4	Functional composite hydrogels entrapping polydopamine hollow nanoparticles for highly efficient resistance of skin penetration and photoprotection. <i>Materials Science and Engineering C</i> , 2021, 128, 112346.	7.3	7
5	An ATP-Cu catalyst efficiently catalyzes enantioselective Michael reactions in water. <i>Green Chemistry</i> , 2021, 23, 9876-9880.	9.0	4
6	Highly Efficient Cyclic Dinucleotide Based Artificial Metalloribozymes for Enantioselective Friedel-Crafts Reactions in Water. <i>Angewandte Chemie</i> , 2020, 132, 3472-3477.	2.0	1
7	Hydrothermal growth of hydroxyapatite and ZnO bilayered nanoarrays on magnesium alloy surface with antibacterial activities. <i>Frontiers of Materials Science</i> , 2020, 14, 14-23.	2.2	9
8	Highly Efficient Cyclic Dinucleotide Based Artificial Metalloribozymes for Enantioselective Friedel-Crafts Reactions in Water. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3444-3449.	13.8	8
9	A Cu(II)-ATP complex efficiently catalyses enantioselective Diels-Alder reactions. <i>Nature Communications</i> , 2020, 11, 4792.	12.8	13
10	An Efficient Cyclic DiAMP Based Artificial Metalloribozyme for Enantioselective Diels-Alder Reactions. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4417-4424.	2.4	3
11	Rational Design of PMPC/PDMC/PEGDA Hydrogel Micropatterns onto Polylactic Acid with Enhanced Biological Activity. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3799-3810.	5.2	6
12	Dual Stimuli-Responsive Supramolecular Self-Assemblies Based on the Host-Guest Interaction between $\beta$ -Cyclodextrin and Azobenzene for Cellular Drug Release. <i>Molecular Pharmaceutics</i> , 2020, 17, 1100-1113.	4.6	36
13	Elastic, Persistently Moisture-Retentive, and Wearable Biomimetic Film Inspired by Fetal Scarless Repair for Promoting Skin Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 5542-5556.	8.0	32
14	Injectable Enzyme-Based Hydrogel Matrix with Precisely Oxidative Stress Defense for Promoting Dermal Repair of Burn Wound. <i>Macromolecular Bioscience</i> , 2020, 20, e2000036.	4.1	16
15	Fabrication of PMPC/PTM/PEGDA micropatterns onto polypropylene films behaving with dual functions of antifouling and antimicrobial activities. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5078-5088.	5.8	14
16	Chemical synthesis, purification, and characterization of 3 $\epsilon$ -5 $\epsilon$ -linked canonical cyclic dinucleotides (CDNs). <i>Methods in Enzymology</i> , 2019, 625, 41-59.	1.0	6
17	Polyelectrolytes fabrication on magnesium alloy surface by layer-by-layer assembly technique with antiplatelet adhesion and antibacterial activities. <i>Journal of Coatings Technology Research</i> , 2019, 16, 857-868.	2.5	8
18	Effect of Carrier Lipophilicity and Preparation Method on the Properties of Andrographolide Solid Dispersion. <i>Pharmaceutics</i> , 2019, 11, 74.	4.5	16

#	ARTICLE	IF	CITATIONS
19	Construction of Crowned $\beta$ -cyclodextrin with Temperature Response and Efficient Properties of Host-Guest Inclusion. <i>Langmuir</i> , 2018, 34, 11567-11574.	3.5	13
20	Synthesis, crystal structure, and fluorescence property of new rare-earth compounds constructed by aromatic carboxylic acid. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 24-30.	1.6	0
21	Fabrication of micropatterns on polypropylene films via plasma pretreatment combined with UV-initiated graft polymerization. <i>Journal of Biomaterials Applications</i> , 2017, 31, 1346-1357.	2.4	2
22	Methacrylate-ended polypeptides and polypeptoids for antimicrobial and antifouling coatings. <i>Polymer Chemistry</i> , 2017, 8, 6386-6397.	3.9	89
23	3D Graphene Frameworks/ $\text{Co}_3\text{O}_4$ Composites Electrode for High-Performance Supercapacitor and Enzymeless Glucose Detection. <i>Small</i> , 2017, 13, 1602077.	10.0	153
24	Novel submicron poly(urea-formaldehyde) and essence of jasmine microcapsules with enhanced sustained release. <i>Flavour and Fragrance Journal</i> , 2015, 30, 459-466.	2.6	14
25	Ionothermal synthesis of Ce/Nd-containing UiO-7 molecular sieve in eutectic mixture. <i>Journal of Porous Materials</i> , 2015, 22, 571-576.	2.6	0
26	Surface Performance and Cytocompatibility Evaluation of Acrylic Acid-Mediated Carboxymethyl Chitosan Coating on Poly(tetrafluoroethylene-co-hexafluoropropylene). <i>Plasma Chemistry and Plasma Processing</i> , 2013, 33, 1153-1165.	2.4	7
27	Chemistry of daytime HOx radicals in marine boundary layer in the sea of Japan: Based on the ratio between the reactivity of HC and NOx. <i>Science China Chemistry</i> , 2012, 55, 426-434.	8.2	0
28	Surface Modification of Hydrophobic PMMA Intraocular Lens by the Immobilization of Hydroxyethyl Methacrylate for Improving Application in Ophthalmology. <i>Plasma Chemistry and Plasma Processing</i> , 2011, 31, 811-825.	2.4	20
29	Surface modification of titanium by using plasma-induced graft polymerization. <i>Surface and Interface Analysis</i> , 2011, 43, 1566-1574.	1.8	4
30	Plasma-induced graft polymerization of poly(ethylene glycol) on poly(methyl methacrylate) surfaces for improving antistatic property. <i>Journal of Applied Polymer Science</i> , 2010, 118, 943-949.	2.6	11
31	Preparation of Nanometer-scale $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Particles via a Complex Thermo-decomposition Method. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2010, 40, 186-189.	0.6	0