

Yan Xiao

List of Publications by Year in Descending Order

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

89
papers

28,081
citations

25
h-index

106
g-index

106
ext. papers

35,310
ext. citations

4.9
avg, IF

7.19
L-index

#	Paper	IF	Citations
89	Phenylboronic acid conjugated mPEG-b-PCL micelles as DOX carriers for enhanced drug encapsulation and controlled drug release. <i>European Polymer Journal</i> , 2022 , 173, 111235	5.2	1
88	A hypothermia-sensitive micelle with controlled release of hydrogen sulfide for protection against anoxia/reoxygenation-induced cardiomyocyte injury. <i>European Polymer Journal</i> , 2022 , 111325	5.2	
87	A zwitterionic terpolymer based coating potentially for antibacterial and antifouling applications. <i>Materials Chemistry and Physics</i> , 2021 , 261, 124102	4.4	1
86	A prospective study of health related quality of life, bowel and sexual function after TaTME and conventional laparoscopic TME for mid and low rectal cancer. <i>Techniques in Coloproctology</i> , 2021 , 25, 449-459	2.9	1
85	Uniform fiber-like polymeric micelles of controlled length containing a photo-cleavable core: Versatile templates toward functional nanotubes. <i>European Polymer Journal</i> , 2021 , 153, 110496	5.2	1
84	Antibacterial AIE polycarbonates endowed with selective imaging capabilities by adjusting the electrostaticity of the mixed-charge backbone. <i>Biomaterials Science</i> , 2021 , 9, 5293-5301	7.4	1
83	Genetic Characteristics of Human Parainfluenza Virus Types 1-4 From Patients With Clinical Respiratory Tract Infection in China. <i>Frontiers in Microbiology</i> , 2021 , 12, 679246	5.7	2
82	Synthetic Mimics of Antimicrobial Peptides for the Targeted Therapy of Multidrug-Resistant Bacterial Infection. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2101244	10.1	2
81	Prevalence and Clinical Characteristics of Fabry Disease in Chinese Patients With Hypertrophic Cardiomyopathy. <i>American Journal of the Medical Sciences</i> , 2021 , 362, 260-267	2.2	1
80	Identification of Frameshift Variants in Two Chinese Families With Neurofibromatosis Type 1 and Early-Onset Hypertension.. <i>Frontiers in Pediatrics</i> , 2021 , 9, 785982	3.4	
79	Profiling Early Humoral Response to Diagnose Novel Coronavirus Disease (COVID-19). <i>Clinical Infectious Diseases</i> , 2020 , 71, 778-785	11.6	986
78	Genomic Diversity of Severe Acute Respiratory Syndrome-Coronavirus 2 in Patients With Coronavirus Disease 2019. <i>Clinical Infectious Diseases</i> , 2020 , 71, 713-720	11.6	328
77	Organocatalytic Ring-Opening Polymerization Toward Poly(amide-ε-caprolactone)s with Tunable Lower Critical Solution Temperatures. <i>Macromolecules</i> , 2020 , 53, 5096-5104	5.5	4
76	Facile preparation of long-chain aliphatic polycarbonates containing block copolycarbonates via one-pot sequential organic catalyzed polymerization of macrocyclic carbonates and trimethylene carbonates. <i>Polymer Chemistry</i> , 2020 , 11, 2166-2172	4.9	2
75	Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China. <i>Lancet, The</i> , 2020 , 395, 497-506	40	25240
74	Fluorinated vesicles embedded with Ru-based catalysts as efficient and recyclable nanoreactors for photo-mediated aerobic oxidation. <i>Polymer Chemistry</i> , 2020 , 11, 1727-1734	4.9	2
73	Fabrication and in vitro evaluation of a packed-bed bioreactor based on galactosylated poly(ethylene terephthalate) microfibrillar scaffolds. <i>Biochemical Engineering Journal</i> , 2020 , 160, 107565	4.2	1

72	Tailor-made chalcogen-rich polycarbonates: experimental and computational insights into chalcogen group-dependent ring opening polymerization. <i>Polymer Chemistry</i> , 2020 , 11, 744-751	4.9	2
71	Fabrication and evaluation of modified poly(ethylene terephthalate) microfibrinous scaffolds for hepatocyte growth and functionality maintenance. <i>Materials Science and Engineering C</i> , 2020 , 109, 110523	8.3	5
70	Poly(ϵ -caprolactone) with pH and UCST responsiveness as a 5-fluorouracil carrier. <i>Polymer Chemistry</i> , 2020 , 11, 5173-5180	4.9	4
69	Synthesis of main chain sulfur-containing aliphatic polycarbonates by organocatalytic ring-opening polymerization of macrocyclic carbonates. <i>Polymer Chemistry</i> , 2019 , 10, 5191-5199	4.9	3
68	Forming and Reversibly Cross-Linkable Hydrogels Based on Copolypept(o)ides and Polysaccharides.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4545-4556	4.1	4
67	Organic Molecule-Driven Polymeric Actuators. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e180089	6.8	10
66	Dual stimuli-responsive polypeptide prepared by thiol-ene click reaction of poly(L-cysteine) and N, N-dimethylaminoethyl acrylate. <i>Biopolymers</i> , 2019 , 110, e23318	2.2	9
65	Melamine-mediated supramolecular assembly of nucleobase-modified poly(L-lysine). <i>Polymer Chemistry</i> , 2019 , 10, 6432-6439	4.9	4
64	Photo-cross-linkable mixed micelles with dual response to pH and temperature. <i>Materials Today Chemistry</i> , 2019 , 11, 69-79	6.2	2
63	Hepatocyte culture on 3D porous scaffolds of PCL/PMCL. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 173, 185-193	6	16
62	Melamine driven supramolecular self-assembly of nucleobase derivatives in water. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 789-796	2.5	4
61	Chemo-Enzymatic Synthesis of Poly(4-piperidine lactone- b- ϵ -pentadecalactone) Block Copolymers as Biomaterials with Antibacterial Properties. <i>Biomacromolecules</i> , 2018 , 19, 2673-2681	6.9	12
60	Simultaneous Detection of Key Bacterial Pathogens Related to Pneumonia and Meningitis Using Multiplex PCR Coupled With Mass Spectrometry. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 107	5.9	9
59	Laparoscopic vs open resection of pT4 colon cancer: a propensity score analysis of 94 patients. <i>Colorectal Disease</i> , 2018 , 20, O316-O325	2.1	11
58	Schizophrenic poly(ϵ -caprolactone)s: synthesis, self-assembly and fluorescent decoration. <i>Polymer Chemistry</i> , 2017 , 8, 3261-3270	4.9	13
57	Prognostic significance of tumour regression grade after neoadjuvant chemoradiotherapy for a cohort of patients with locally advanced rectal cancer: an 8-year retrospective single-institutional study. <i>Colorectal Disease</i> , 2017 , 19, O263-O271	2.1	8
56	Synthesis and rheological investigation of self-healable deferoxamine grafted alginate hydrogel. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 856-865	2.6	10
55	Recent advancements in the molecular genetics of left ventricular noncompaction cardiomyopathy. <i>Clinica Chimica Acta</i> , 2017 , 465, 40-44	6.2	19

54	A highly stretchable bioelastomer prepared by UV curing of liquid-like poly(4-methyl- ϵ -caprolactone) precursors. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 595-603	7.3	5
53	Synthesis and gelation of copolypept(o)ides with random and block structure. <i>Biopolymers</i> , 2017 , 107, e23038	2.2	7
52	Left Ventricular Noncompaction in Older Patients. <i>American Journal of the Medical Sciences</i> , 2017 , 354, 140-144	2.2	3
51	Enterovirus 3A Facilitates Viral Replication by Promoting Phosphatidylinositol 4-Kinase III β CBD3 Interaction. <i>Journal of Virology</i> , 2017 , 91,	6.6	36
50	Clinical Profile and Prognosis of Left Ventricular Apical Aneurysm in Hypertrophic Cardiomyopathy. <i>American Journal of the Medical Sciences</i> , 2016 , 351, 101-10	2.2	6
49	Synthesis of well-defined carboxyl poly(ϵ -caprolactone) by fine-tuning the protection group. <i>Polymer Chemistry</i> , 2016 , 7, 4630-4637	4.9	16
48	A case report demonstrating the utility of next generation sequencing in analyzing serial samples from the lung following an infection with influenza A (H7N9) virus. <i>Journal of Clinical Virology</i> , 2016 , 76, 45-50	14.5	8
47	Preparation, degradation and in vitro release of ciprofloxacin-eluting ureteral stents for potential antibacterial application. <i>Materials Science and Engineering C</i> , 2016 , 66, 92-99	8.3	28
46	An unclassified variant in the fibrillin-1 gene leading to exon skipping in a patient with Marfan syndrome: the use of minigene assay in splicing analysis. <i>Clinica Chimica Acta</i> , 2015 , 442, 84-6	6.2	
45	Reversible thermo-sensitivity induced from varying the hydrogen bonding between the side residues of rationally designed polypeptides. <i>Chemical Communications</i> , 2015 , 51, 10174-7	5.8	9
44	Human monoclonal antibodies targeting the haemagglutinin glycoprotein can neutralize H7N9 influenza virus. <i>Nature Communications</i> , 2015 , 6, 6714	17.4	27
43	Enhanced infarct myocardium repair mediated by thermosensitive copolymer hydrogel-based stem cell transplantation. <i>Experimental Biology and Medicine</i> , 2015 , 240, 593-600	3.7	21
42	Clinical utility comparison of two benchtop deep sequencing instruments for rapid diagnosis of newly emergent influenza infections. <i>Clinical Microbiology and Infection</i> , 2015 , 21, 290.e1-4	9.5	0
41	Next generation sequencing as a rapid molecular diagnosis for Marfan syndrome in a Chinese family with mutations in the fibrillin-1 gene. <i>Clinica Chimica Acta</i> , 2015 , 439, 58-60	6.2	2
40	Recent progress in end-stage hypertrophic cardiomyopathy. <i>American Journal of the Medical Sciences</i> , 2015 , 349, 448-53	2.2	2
39	Micelle controlled release of 5-fluorouracil: Follow the guideline for good polymer-drug compatibility. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 457, 116-124	5.1	12
38	Molecular genetics of Liddle's syndrome. <i>Clinica Chimica Acta</i> , 2014 , 436, 202-6	6.2	29
37	Intramyocardial autologous bone marrow cell transplantation for ischemic heart disease: a systematic review and meta-analysis of randomized controlled trials. <i>Atherosclerosis</i> , 2014 , 233, 485-492 ^{3.1}		36

36	Hydrogen Bonding Interaction Induced Complexation of mPEG-b-PAA and Star PDMAEMA-b-poly (HEMA-g-PCL) Hybrid Micelles in Water. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014 , 51, 63-75	2.2	7
35	Functional poly(ϵ -caprolactone) based materials: preparation, self-assembly and application in drug delivery. <i>Current Topics in Medicinal Chemistry</i> , 2014 , 14, 781-818	3	31
34	Effect of Surface Grafted Hydroxyapatite on the Improved Performance of Hydroxyapatite/Poly(ϵ -caprolactone) Scaffold. <i>Current Nanoscience</i> , 2014 , 10, 855-862	1.4	2
33	Synthesis, self-assembly, and pH-responsive behavior of (photo-crosslinked) star amphiphilic triblock copolymer. <i>Journal of Colloid and Interface Science</i> , 2013 , 392, 141-150	9.3	15
32	Synthesis and degradation behavior of miktoarm poly(ϵ -caprolactone) ₂ -b-poly(L-lactone) ₂ microspheres. <i>Polymer Journal</i> , 2013 , 45, 420-426	2.7	5
31	Effect of the culture media optimization, pH and temperature on the biohydrogen production and the hydrogenase activities by <i>Klebsiella pneumoniae</i> ECU-15. <i>Bioresource Technology</i> , 2013 , 137, 9-17	11	47
30	Thermoresponsive biotinylated star amphiphilic block copolymer: Synthesis, self-assembly, and specific target recognition. <i>Polymer</i> , 2012 , 53, 1684-1693	3.9	25
29	In-situ formation of silver nanoparticles stabilized by amphiphilic star-shaped copolymer and their catalytic application. <i>Applied Surface Science</i> , 2012 , 258, 2655-2660	6.7	65
28	Injectable hydrogel as stem cell scaffolds from the thermosensitive terpolymer of NIPAAm/AAC/HEMA-PCL. <i>International Journal of Nanomedicine</i> , 2012 , 7, 4893-905	7.3	9
27	R-RAFT approach for the polymerization of N-isopropylacrylamide with a star poly(ϵ -caprolactone) core. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 571-580	2.5	17
26	Synthesis of star-shaped PCL-based copolymers via one-pot ATRP and their self-assembly behavior in aqueous solution. <i>Macromolecular Research</i> , 2012 , 20, 597-604	1.9	11
25	Micelles/sodium-alginate composite gel beads: A new matrix for oral drug delivery of indomethacin. <i>Carbohydrate Polymers</i> , 2012 , 87, 790-798	10.3	66
24	Synthesis and Self-Assembly Behaviors of Four-Arm Star Block Copolymers Poly(ϵ -caprolactone)-b-poly(2-(diethylamino) ethyl methacrylate)) in Aqueous Solution. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012 , 49, 124-130	2.2	7
23	Synthesis, characterization, fluorescence labeling and cellular internalization of novel amine-functionalized poly(ethylene glycol)-block-poly(ϵ -caprolactone) amphiphilic block copolymers. <i>Polymer Chemistry</i> , 2011 , 2, 1331	4.9	30
22	A stable plasmid system for heterologous antigen expression in attenuated <i>Vibrio anguillarum</i> . <i>Vaccine</i> , 2011 , 29, 6986-93	4.1	32
21	Self-assembly of pH-sensitive mixed micelles based on linear and star copolymers for drug delivery. <i>Journal of Colloid and Interface Science</i> , 2011 , 364, 92-9	9.3	52
20	Synthesis and self-assembly behavior of six-armed block copolymers with pH- and thermo-responsive properties. <i>Macromolecular Research</i> , 2011 , 19, 113-121	1.9	36
19	Organometallic and enzymatic catalysis for ring opening copolymerization of ϵ -caprolactone and 4-methyl- ϵ -caprolactone. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 5293-5300	2.5	19

18	Fine tuning micellar core-forming block of poly(ethylene glycol)-block-poly(ϵ -caprolactone) amphiphilic copolymers based on chemical modification for the solubilization and delivery of doxorubicin. <i>Biomacromolecules</i> , 2011 , 12, 2562-72	6.9	118
17	Surface modification of hydroxyapatite with poly(methyl methacrylate) via surface-initiated ATRP. <i>Applied Surface Science</i> , 2011 , 257, 6233-6238	6.7	51
16	Preparation of poly(methyl methacrylate) grafted hydroxyapatite nanoparticles via reverse ATRP. <i>Journal of Colloid and Interface Science</i> , 2011 , 360, 415-21	9.3	21
15	Dual-response nanocarrier based on graft copolymers with hydrazone bond linkages for improved drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 80, 145-54	6	35
14	Novel poly(ϵ -caprolactone)s bearing amino groups: Synthesis, characterization and biotinylation. <i>Reactive and Functional Polymers</i> , 2010 , 70, 400-407	4.6	61
13	Improved mechanical properties of hydroxyapatite/poly(ϵ -caprolactone) scaffolds by surface modification of hydroxyapatite. <i>Applied Surface Science</i> , 2010 , 256, 6107-6112	6.7	60
12	Novel Biodegradable Heterografted Polymer Brushes Prepared via a Chemoenzymatic Approach. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 736-746	2.6	16
11	Systematic comparison of HEA and HEMA as initiators in enzymatic ring-opening polymerizations. <i>Macromolecular Bioscience</i> , 2009 , 9, 713-20	5.5	18
10	Cumulated advantages of enzymatic and carbene chemistry for the non-organometallic synthesis of (co)polyesters. <i>Chemical Communications</i> , 2009 , 2472-4	5.8	13
9	Synthesis of biodegradable chiral polyesters by asymmetric enzymatic polymerization and their formulation into microspheres. <i>Soft Matter</i> , 2008 , 4, 593-599	3.6	30
8	Lipase catalyzed HEMA initiated ring-opening polymerization: in situ formation of mixed polyester methacrylates by transesterification. <i>Biomacromolecules</i> , 2008 , 9, 704-10	6.9	49
7	In situ Fourier transform infrared spectroscopic study of the conformational changes of high-density poly(ethylene) during the melting and crystallization processes. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 4835-4841	2.9	8
6	In Situ Fourier transform infrared spectroscopic study of the thermal degradation of isotactic poly(propylene). <i>Applied Spectroscopy</i> , 2005 , 59, 33-8	3.1	5
5	Thermal degradation of syndiotactic polypropylene and the influence of stereoregularity on the thermal degradation behaviour by in situ FTIR spectroscopy. <i>Polymer Degradation and Stability</i> , 2005 , 88, 473-479	4.7	37
4	In situ Fourier transform infrared spectroscopic study of the conformational changes of nylon-10,12 during its Brill transition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 60-63 ^{2.6}		8
3	Supramolecular self-assembly of inclusion complexes of a multiarm hyperbranched polyether with cyclodextrins. <i>Langmuir</i> , 2004 , 20, 484-90	4	82
2	Eutectic-forming binary system of poly(ethylene oxide) and p-hydroxybenzaldehyde. <i>Polymer International</i> , 2003 , 52, 813-818	3.3	11
1	Angiotensin I-converting enzyme gene polymorphism in Chinese patients with obstructive sleep apnea syndrome. <i>Chinese Medical Journal</i> , 1999 , 112, 701-4	2.9	11

