

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.

100 papers	1,513 citations	25 h-index	34 g-index
108 ext. papers	1,775 ext. citations	4.6 avg, IF	4.66 L-index

#	Paper	IF	Citations
100	Anti-coagulation and anti-hyperplasia coating for retrievable vena cava filters by electrospraying and their performance in vivo.. <i>International Journal of Pharmaceutics</i> , 2022 , 619, 121690	6.5	1
99	Design and Fabrication of Polymeric Hydrogel Carrier for Nerve Repair.. <i>Polymers</i> , 2022 , 14,	4.5	2
98	Preparation and characterization of cross-linked polyurethanes using ECD [3]PR as slide-ring cross-linker. <i>Polymer</i> , 2022 , 249, 124862	3.9	0
97	Mass Formation of β -Cyclodextrin Hexagonal Rods by the Direct Solvent Evaporation Strategy.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 8033-8038	4.1	1
96	The performance of heparin modified poly(ϵ -caprolactone) small diameter tissue engineering vascular graft in canine-A long-term pilot experiment in vivo. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 2493-2505	5.4	1
95	Melatonin Protects Against Ischemic Brain Injury by Modulating PI3K/AKT Signaling Pathway via Suppression of PTEN Activity. <i>ASN Neuro</i> , 2021 , 13, 17590914211022888	5.3	1
94	Hydrogel Complex Electrospun Scaffolds and Their Multiple Functions in In Situ Vascular Tissue Engineering.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 2373-2384	4.1	5
93	Cyclodextrin polymers: Structure, synthesis, and use as drug carriers. <i>Progress in Polymer Science</i> , 2021 , 118, 101408	29.6	26
92	New Insights Into the Roles of Microglial Regulation in Brain Plasticity-Dependent Stroke Recovery. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 727899	6.1	6
91	Curcumin Ameliorates White Matter Injury after Ischemic Stroke by Inhibiting Microglia/Macrophage Pyroptosis through NF- κ B Suppression and NLRP3 Inflammasome Inhibition. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 1552127	6.7	7
90	Fabrication of heparinized small diameter TPU/PCL bi-layered artificial blood vessels and in vivo assessment in a rabbit carotid artery replacement model.. <i>Materials Science and Engineering C</i> , 2021 , 112628	8.3	0
89	In situ hydrogel dressing loaded with heparin and basic fibroblast growth factor for accelerating wound healing in rat. <i>Materials Science and Engineering C</i> , 2020 , 116, 111169	8.3	26
88	The intrinsic microstructure of supramolecular hydrogels derived from β -cyclodextrin and pluronic F127: nanosheet building blocks and hierarchically self-assembled structures. <i>Soft Matter</i> , 2020 , 16, 5906-5909 ⁸	3.6	8
87	Hyperbranched polyether boosting ionic conductivity of polymer electrolytes for all-solid-state sodium ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 394, 124885	14.7	25
86	Flame-retardant gel polymer electrolyte and interface for quasi-solid-state sodium ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 401, 126065	14.7	33
85	Hydroxypropyl β -Cyclodextrin Solubilizing Hydrophobic Initiator to Initiate Copper-Mediated RDRP of NIPAM in Aqueous Media. <i>ChemistrySelect</i> , 2020 , 5, 3385-3390	1.8	1
84	Polypseudorotaxane-based multiblock copolymers prepared via in situ ATRP of NIPAAm initiated by inclusion complex having a feeding ratio of 4 ECDs to ferrocene containing initiator. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2020 , 96, 69-79	1.7	3

83	The preparation of pH and GSH dual responsive thiolated heparin/DOX complex and its application as drug carrier. <i>Carbohydrate Polymers</i> , 2020 , 230, 115592	10.3	10
82	Polyrotaxanes created by end-capping polypseudorotaxanes self-assembled from CDs with distal azide terminated PHEMA using propargylamine monosubstituted CDs. <i>Polymer Chemistry</i> , 2020 , 11, 653-658	4.9	7
81	Biocompatibility evaluation of heparin-conjugated poly(ϵ -caprolactone) scaffolds in a rat subcutaneous implantation model. <i>Journal of Materials Science: Materials in Medicine</i> , 2020 , 31, 76	4.5	4
80	Synthesis and Characterization of Polyrotaxanes Comprising CDs and Distal Azide-Terminated PHEMA Using Propargylamine Monosubstituted CDs as End Stoppers. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000157	2.6	1
79	Preparation and in vivo evaluation of surface heparinized small diameter tissue engineered vascular scaffolds of poly(ϵ -caprolactone) embedded with collagen suture. <i>Journal of Biomaterials Applications</i> , 2020 , 34, 812-826	2.9	7
78	Decontamination of Chemical Warfare Agents by Novel Oximated Acrylate Copolymer. <i>Chemical Research in Chinese Universities</i> , 2019 , 35, 1095-1104	2.2	1
77	Preparation of Small-Diameter Tissue-Engineered Vascular Grafts Electrospun from Heparin End-Capped PCL and Evaluation in a Rabbit Carotid Artery Replacement Model. <i>Macromolecular Bioscience</i> , 2019 , 19, e1900114	5.5	20
76	β -Cyclodextrin functionalized coaxially electrospun poly(vinylidene fluoride) @ polystyrene membranes with higher mechanical performance for efficient removal of phenolphthalein. <i>Reactive and Functional Polymers</i> , 2019 , 141, 100-111	4.6	12
75	Unexpected Polypseudorotaxanes Formed from the Self-assembly of β -Cyclodextrins with Poly(N-isopropylacrylamide) Homo- and Copolymers. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 5004-5013	3.4	5
74	Recyclable Nanoporous Materials with Ordered Tunnels Self-Assembled from β -and γ -Cyclodextrins. <i>ChemNanoMat</i> , 2019 , 5, 838-846	3.5	9
73	The preparation and morphology control of heparin-based pH sensitive polyion complexes and their application as drug carriers. <i>Carbohydrate Polymers</i> , 2019 , 211, 370-379	10.3	13
72	Chemical coatings relying on the self-polymerization of catechol for retrievable vena cava filters. <i>New Journal of Chemistry</i> , 2018 , 42, 3722-3728	3.6	1
71	How Does PHEMA Pass through the Cavity of CDs to Create Mismatched Overfit Polypseudorotaxanes?. <i>Langmuir</i> , 2018 , 34, 14076-14084	4	5
70	Vascular Remodeling Process of Heparin-Conjugated Poly(ϵ -Caprolactone) Scaffold in a Rat Abdominal Aorta Replacement Model. <i>Journal of Vascular Research</i> , 2018 , 55, 338-349	1.9	11
69	The mobility of threaded β -cyclodextrins in PR copolymer and its influences on mechanical properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 752-763	3.5	3
68	Ultrasound-induced gelation of fluorenyl-9-methoxycarbonyl-L-lysine(fluorenyl-9-methoxycarbonyl)-OH and its dipeptide derivatives showing very low minimum gelation concentrations. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 665-676	9.3	13
67	Rapidly Recoverable Thixotropic Hydrogels from the Racemate of Chiral OFm Monosubstituted Cyclo(Glu-Glu) Derivatives. <i>Langmuir</i> , 2017 , 33, 13821-13827	4	10
66	The penetration and phenotype modulation of smooth muscle cells on surface heparin modified poly(ϵ -caprolactone) vascular scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 2806-2815	5.4	15

65	Synthesis and gelation capability of mono- and disubstituted cyclo(L-Glu-L-Glu) derivatives with tyramine, tyrosine and phenylalanine. <i>Colloid and Polymer Science</i> , 2017 , 295, 1549-1561	2.4	6
64	The preparation of hybrid trimer by cyclo-oligomerization of TDI and HDI and its curing process with polyols to form elastic PU coating 2017 , 14, 1279-1288		3
63	The synthesis and application of heparin-based smart drug carrier. <i>Carbohydrate Polymers</i> , 2016 , 140, 260-8	10.3	13
62	Preparation and experimental research into retrievable rapamycin- and heparin-coated vena cava filters: a pilot study. <i>Journal of Thrombosis and Thrombolysis</i> , 2016 , 41, 422-32	5.1	8
61	Gelation capability of cysteine-modified cyclo(L-Lys-L-Lys)s dominated by Fmoc and Trt protecting groups. <i>Science China Chemistry</i> , 2016 , 59, 293-302	7.9	7
60	The Synthesis and Characterization of Spacer-Free Liquid Crystal Polyrotaxane by Virtue of the Mobility of Threaded β -Cyclodextrins. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 646-653	2.6	2
59	The synthesis and characterization of a processable polyrotaxane-based triblock copolymer via a two steps strategy. <i>RSC Advances</i> , 2016 , 6, 33221-33230	3.7	4
58	Synthesis and gelation capability of Fmoc and Boc mono-substituted cyclo(L-Lys-L-Lys)s. <i>Chemical Research in Chinese Universities</i> , 2016 , 32, 484-492	2.2	6
57	A vascular tissue engineering scaffold with core-shell structured nano-fibers formed by coaxial electrospinning and its biocompatibility evaluation. <i>Biomedical Materials (Bristol)</i> , 2016 , 11, 035007	3.5	49
56	Low-Molecular-Weight Organo- and Hydrogelators Based on Cyclo(L-Lys-L-Glu). <i>Langmuir</i> , 2016 , 32, 4586-4594	4.4	38
55	The multifunctional wound dressing with core-shell structured fibers prepared by coaxial electrospinning. <i>Frontiers of Materials Science</i> , 2016 , 10, 113-121	2.5	31
54	Experimental study on the construction of small three-dimensional tissue engineered grafts of electrospun poly- ϵ -caprolactone. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 112	4.5	14
53	A one-step synthesis of polyrotaxane via in situ Michael addition reaction. <i>Iranian Polymer Journal (English Edition)</i> , 2015 , 24, 679-685	2.3	4
52	Synthesis of water soluble polyrotaxanes by end-capping polypseudo-rotaxanes of β CDs with PHEMA-PPO-PEO-PPO-PHEMA using ATRP of MPC. <i>Polymer Chemistry</i> , 2015 , 6, 5832-5837	4.9	15
51	The in vivo characterization of electrospun heparin-bonded polycaprolactone in small-diameter vascular reconstruction. <i>Vascular</i> , 2015 , 23, 358-65	1.3	5
50	The fabrication of double layer tubular vascular tissue engineering scaffold via coaxial electrospinning and its 3D cell coculture. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 3863-71	5.4	45
49	Self-assemblies of β CDs with pentablock copolymers PMA-PPO-PEO-PPO-PMA and endcapping via atom transfer radical polymerization of 2-methacryloyloxyethyl phosphorylcholine. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 2267-77	2.5	3
48	A Study on Synthesis and Gelation Capability of Fmoc and Boc Disubstituted Cyclo(L-Lys-L-Lys)s. <i>Acta Chimica Sinica</i> , 2015 , 73, 423	3.3	6

- 47 The preparation of an azo-substituted polyrotaxane end-capped with PNIPAAm and its dual stimuli-responsive behavior for drug delivery applications. *Journal of Materials Chemistry B*, **2014**, 2, 5746-5757²⁶
- 46 A pH-sensitive binary drug delivery system based on poly(caprolactone)-heparin conjugates. *Journal of Biomedical Materials Research - Part A*, **2014**, 102, 880-9 5.4 21
- 45 Loose-fit polypseudorotaxanes constructed from ECDs and PHEMA-PPG-PEG-PPG-PHEMA. *Beilstein Journal of Organic Chemistry*, **2014**, 10, 2461-9 2.5 13
- 44 A Polyrotaxane-based pH-labile Drug Delivery System. *Periodica Polytechnica: Chemical Engineering*, **2014**, 58, 55 1.3 1
- 43 Synthesis and characterization of polyrotaxanes comprising E-cyclodextrins and poly(E-caprolactone) end-capped with poly(butyl methacrylate)s. *Polymer International*, **2014**, 63, 1025-1034³³ 3
- 42 Self-Assembly of Polyrotaxanes Synthesized Via Click Chemistry of Azido-Endcapped PNIPAAm-b-Pluronic F68-b-PNIPAAm/ECD with Propargylamine-Substituted ECDs. *Macromolecular Chemistry and Physics*, **2014**, 215, 1022-1029 2.6 16
- 41 The preparation of cationic folic acid and its application in drug delivery system. *Chinese Journal of Polymer Science (English Edition)*, **2014**, 32, 1714-1723 3.5 8
- 40 A pH-sensitive nano drug delivery system of doxorubicin-conjugated amphiphilic polyrotaxane-based block copolymers. *Biomaterials Science*, **2013**, 1, 1282-1291 7.4 35
- 39 A tumor-targeting nano doxorubicin delivery system built from amphiphilic polyrotaxane-based block copolymers. *Polymer*, **2013**, 54, 5188-5198 3.9 29
- 38 Self-healing biodegradable poly(urea-urethane) elastomers based on hydrogen bonding interactions. *Chinese Journal of Polymer Science (English Edition)*, **2013**, 31, 251-262 3.5 19
- 37 A Study on Properties of PEG Bent Double Chain Stranded Polypseudorotaxanes with E-cyclodextrins. *Acta Chimica Sinica*, **2013**, 71, 347 3.3 3
- 36 Synthesis and characterization of polyrotaxanes comprising E-cyclodextrins and poly(E-caprolactone) end-capped with poly(N-isopropylacrylamide)s. *Polymer*, **2012**, 53, 2361-2368 3.9 9
- 35 Poly(n-butyl methacrylate) end-capped polyrotaxanes via ATRP initiated with E-cyclodextrin and Pluronic 17R4 based inclusion complexes. *Polymer*, **2012**, 53, 2864-2872 3.9 10
- 34 Slightly Cross-Linked Polyrotaxanes Made by Linking E-cyclodextrins Entrapped in Polyrotaxanes Using Hexamethylene Diisocyanate. *Chinese Journal of Chemistry*, **2012**, 30, 2453-2460 4.9 4
- 33 Loose-Fit Polypseudorotaxanes Fabricated by ECDs Threaded Onto a Single PNIPAAm-PEG-PNIPAAm Chain in Aqueous Solution. *Macromolecular Chemistry and Physics*, **2012**, 213, 1532-1539 2.6 7
- 32 Formation of a polypseudorotaxane via self-assembly of E-cyclodextrin with poly(N-isopropylacrylamide). *Macromolecular Rapid Communications*, **2012**, 33, 1143-8 4.8 25
- 31 The in vitro and in vivo biocompatibility evaluation of heparin-poly(E-caprolactone) conjugate for vascular tissue engineering scaffolds. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 3251-8⁵⁴ 58
- 30 Polyrotaxane-based triblock copolymers synthesized via ATRP of N-isopropylacrylamide initiated from the terminals of polypseudorotaxane of Br end-capped pluronic 17R4 and E-cyclodextrins. *Science China Chemistry*, **2012**, 55, 1115-1124 7.9 2

29	Preparation and surface properties of polyrotaxane-containing tri-block copolymers as a design for dynamic biomaterials surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 89, 223-7	6	29
28	Dual thermo-responsive polyrotaxane-based triblock copolymers synthesized via ATRP of N-isopropylacrylamide initiated with self-assemblies of Br end-capped Pluronic F127 with β -cyclodextrins. <i>Polymer Chemistry</i> , 2011 , 2, 931-940	4.9	37
27	Stable and Unconventional Conformation of Single PEG Bent β -CD-Based Polypseudorotaxanes. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 2319-2327	2.6	11
26	Electrospinning and biocompatibility evaluation of biodegradable polyurethanes based on L-lysine diisocyanate and L-lysine chain extender. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 96, 705-714	5.14	39
25	Novel triblock copolymers comprising a polyrotaxane middle block flanked by PNIPAAm blocks showing both thermo- and solvent-response. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3243-3250		28
24	Heparin-Conjugated PCL Scaffolds Fabricated by Electrospinning and Loaded with Fibroblast Growth Factor 2. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011 , 22, 389-406	3.5	63
23	Novel polyrotaxanes comprising β -cyclodextrins and Pluronic F127 end-capped with poly(N-isopropylacrylamide) showing solvent-responsive crystal structures. <i>Polymer</i> , 2011 , 52, 347-355	3.9	23
22	Solvent- and thermoresponsive polyrotaxanes with beta-cyclodextrin dispersed/aggregated structures on a pluronic F127 backbone. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 5342-9	3.4	39
21	Synthesis and characterization of radiopaque iodine-containing methacrylate-based polymers via reversible addition-fragmentation chain transfer (RAFT) polymerization. <i>Frontiers of Materials Science in China</i> , 2010 , 4, 366-375		4
20	Initiator-free photocrosslinking of electrospun biodegradable polyester fiber based tubular scaffolds and their cell affinity for vascular tissue engineering. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2010 , 28, 829-840	3.5	17
19	Novel supramolecular hydrogels made via Michael-type addition reaction of dithiothreitol with self-assembly of β -cyclodextrins and acryloyl-terminated 3-arm PEG. <i>Frontiers of Materials Science in China</i> , 2010 , 4, 70-77		4
18	End-capping double-chain stranded polypseudorotaxanes using lengthily tunable poly(2-hydroxyethyl methacrylate) blocks via atom transfer radical polymerization. <i>Polymer International</i> , 2010 , 59, 917-922	3.3	7
17	Electrospinning of synthesized triblock copolymers of epsilon-caprolactone and L-lactide for the application of vascular tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2009 , 4, 044105	3.5	9
16	Synthesis and characteristics of a silicon-containing polymer, manufacture of an electrolyte membrane from the polymer and poly(vinylidene fluoride-co-hexafluoropropene), and property testing of the membrane. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 1086-1093	2.9	3
15	Preparation and characterization of solid polymer electrolytes based on PHEMO and PVDF-HFP. <i>Solid State Ionics</i> , 2009 , 180, 677-680	3.3	48
14	Synthesis and characterization of biodegradable polyurethane based on poly(ϵ -caprolactone) and L-lysine ethyl ester diisocyanate. <i>Frontiers of Materials Science in China</i> , 2009 , 3, 25-32		33
13	Preparation and self-assembly of amphiphilic triblock copolymers with polyrotaxane as a middle block and their application as carrier for the controlled release of Amphotericin B. <i>Polymer</i> , 2009 , 50, 4343-4351	3.9	61
12	Synthesis and characterization of block copolymers comprising a polyrotaxane middle block flanked by two brush-like PCL blocks. <i>Soft Matter</i> , 2009 , 5, 1848	3.6	31

11	The self-aggregation behaviour of amphotericin B-loaded polyrotaxane-based triblock copolymers and their hemolytic evaluation. <i>Soft Matter</i> , 2009 , 5, 4797	3.6	22
10	Shear-assisted hydrogels based on self-assembly of cyclic dipeptide derivatives. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6100		33
9	Organo- and hydrogels derived from cyclo(L-Tyr-L-Lys) and its amino derivatives. <i>Soft Matter</i> , 2009 , 5, 1474	3.6	43
8	Novel main-chain polyrotaxanes synthesized via ATRP of HPMA in aqueous media. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 5283-5293	2.5	45
7	Preparation and evaluation of two kinds of solid polymer electrolytes made from crosslinked poly(ether urethane) elastomers consisting of a comb-like and a hyperbranched polyether. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1955-1961	2.9	1
6	SYNTHESIS AND CHARACTERIZATION OF POLYROTAXANES MADE FROM CDs THREADED ONTO TRIBLOCK COPOLYMERS WITH PEG AS A CENTRAL AXLE AND FLANKED BY TWO LOW MOLECULAR WEIGHT POLYSTYRENES AS OUTER STOPPERS. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2008 , 20, 522	3.5	2
5	Synthesis and application as polymer electrolyte of hyperbranched copolyethers derived from cationic ring-opening polymerization of 3-{2-[2-(2-methoxyethoxy)ethoxy]ethoxy}methyl- and 3-hydroxymethyl-3'-methyloxetane. <i>Polymer</i> , 2007 , 48, 1550-1556	3.9	15
4	Synthesis of copolymers of 3-acryloyloxymethyl-3'-methyloxetane and 3-(2-(2-(2-methoxyethylenoxy)ethylenoxy)ethylenoxy)-3'-methyloxetane and their ionic conductivity properties. <i>Frontiers of Chemical Engineering in China</i> , 2007 , 1, 343-348		2
3	Enzyme-catalyzed preparation of supramolecular structured hydrogel of polypseudorotaxanes derived from the self-assembly of CDs with 3-arm p-hydroxyphenylpropionate terminated PEG. <i>Frontiers of Materials Science in China</i> , 2007 , 1, 395-400		5
2	Synthesis and characterization of homo- and copolymers of 3-(2-cyano ethoxy)methyl- and 3-[methoxy(triethylenoxy)]methyl-3'-methyl-oxetane. <i>Polymer International</i> , 2005 , 54, 1440-1448	3.3	15
1	Size-complementary effects of PEG diamine 1,1'-disubstituted ferrocene on incorporations of β and γ -cyclodextrins and syntheses of poly(pseudo)rotaxanes with lower coverages therefrom. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005 , 51, 1-10	1.7	1