

Lin Yu

List of Publications by Year in descending order

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106
papers

7,364
citations

53660

45
h-index

54797

84
g-index

110
all docs

110
docs citations

110
times ranked

7454
citing authors

#	ARTICLE	IF	CITATIONS
1	Injectable hydrogels as unique biomedical materials. <i>Chemical Society Reviews</i> , 2008, 37, 1473.	18.7	1,372
2	Biodegradable and thermoreversible PCLA-PEG-PCLA hydrogel as a barrier for prevention of post-operative adhesion. <i>Biomaterials</i> , 2011, 32, 4725-4736.	5.7	307
3	Matrix Stiffness and Nanoscale Spatial Organization of Cell-Adhesive Ligands Direct Stem Cell Fate. <i>Nano Letters</i> , 2015, 15, 4720-4729.	4.5	275
4	A Subtle End-Group Effect on Macroscopic Physical Gelation of Triblock Copolymer Aqueous Solutions. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2232-2235.	7.2	249
5	An injectable hydrogel formed by in situ cross-linking of glycol chitosan and multi-benzaldehyde functionalized PEG analogues for cartilage tissue engineering. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1268-1280.	2.9	189
6	Injectable block copolymer hydrogels for sustained release of a PEGylated drug. <i>International Journal of Pharmaceutics</i> , 2008, 348, 95-106.	2.6	183
7	Temperature-induced spontaneous sol-gel transitions of poly(D,L-lactic acid-co-glycolic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50 end-capped derivatives in water. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1122-1133.	2.5	168
8	Effects of immobilizing sites of RGD peptides in amphiphilic block copolymers on efficacy of cell adhesion. <i>Biomaterials</i> , 2010, 31, 7873-7882.	5.7	157
9	Biodegradability and Biocompatibility of Thermoreversible Hydrogels Formed from Mixing a Sol and a Precipitate of Block Copolymers in Water. <i>Biomacromolecules</i> , 2010, 11, 2169-2178.	2.6	157
10	Influence of LA and GA Sequence in the PLGA Block on the Properties of Thermogelling PLGA-PEG-PLGA Block Copolymers. <i>Biomacromolecules</i> , 2011, 12, 1290-1297.	2.6	140
11	A long-acting formulation of a polypeptide drug exenatide in treatment of diabetes using an injectable block copolymer hydrogel. <i>Biomaterials</i> , 2013, 34, 2834-2842.	5.7	139
12	Mixing a Sol and a Precipitate of Block Copolymers with Different Block Ratios Leads to an Injectable Hydrogel. <i>Biomacromolecules</i> , 2009, 10, 1547-1553.	2.6	123
13	Enhancement of the fraction of the active form of an antitumor drug topotecan via an injectable hydrogel. <i>Journal of Controlled Release</i> , 2011, 156, 21-27.	4.8	123
14	Roles of Hydrophilic Homopolymers on the Hydrophobic-Association-Induced Physical Gelling of Amphiphilic Block Copolymers in Water. <i>Macromolecules</i> , 2008, 41, 6493-6499.	2.2	120
15	PEG-based thermosensitive and biodegradable hydrogels. <i>Acta Biomaterialia</i> , 2021, 128, 42-59.	4.1	119
16	Interplay of Matrix Stiffness and Cell-Cell Contact in Regulating Differentiation of Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21903-21913.	4.0	111
17	Sustained Codelivery of Cisplatin and Paclitaxel via an Injectable Prodrug Hydrogel for Ovarian Cancer Treatment. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40031-40046.	4.0	108
18	Strategy of Metal-Polymer Composite Stent To Accelerate Biodegradation of Iron-Based Biomaterials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 182-192.	4.0	100

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19	Thermogelling Polymer-Platinum(IV) Conjugates for Long-Term Delivery of Cisplatin. <i>Biomacromolecules</i> , 2015, 16, 105-115.	2.6	97
20	Effects of Molecular Weight and Its Distribution of PEG Block on Micellization and Thermogellability of PLGA-PEG-PLGA Copolymer Aqueous Solutions. <i>Macromolecules</i> , 2015, 48, 3662-3671.	2.2	95
21	Cell-Free Bilayered Porous Scaffolds for Osteochondral Regeneration Fabricated by Continuous 3D-Printing Using Nascent Physical Hydrogel as Ink. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001404.	3.9	92
22	Effects of Molecular Weight Distribution of Amphiphilic Block Copolymers on Their Solubility, Micellization, and Temperature-Induced Sol-Gel Transition in Water. <i>Macromolecules</i> , 2014, 47, 5895-5903.	2.2	88
23	Tumor regression achieved by encapsulating a moderately soluble drug into a polymeric thermogel. <i>Scientific Reports</i> , 2014, 4, 5473.	1.6	87
24	Selective Dual-Channel Imaging on Cyanostyryl-Modified Azulene Systems with Unimolecularly Tunable Visible-Near Infrared Luminescence. <i>Chemistry - A European Journal</i> , 2017, 23, 7642-7647.	1.7	87
25	Semi-bald Micelles and Corresponding Percolated Micelle Networks of Thermogels. <i>Macromolecules</i> , 2018, 51, 6405-6420.	2.2	87
26	Sustained intravitreal delivery of dexamethasone using an injectable and biodegradable thermogel. <i>Acta Biomaterialia</i> , 2015, 23, 271-281.	4.1	85
27	The thermogelling PLGA-PEG-PLGA block copolymer as a sustained release matrix of doxorubicin. <i>Biomaterials Science</i> , 2013, 1, 411.	2.6	84
28	Thermogelling of Amphiphilic Block Copolymers in Water: ABA Type versus AB or BAB Type. <i>Macromolecules</i> , 2019, 52, 3697-3715.	2.2	80
29	A delicate ionizable-group effect on self-assembly and thermogelling of amphiphilic block copolymers in water. <i>Polymer</i> , 2009, 50, 6111-6120.	1.8	79
30	Redox-Sensitive and Intrinsically Fluorescent Photoclick Hyaluronic Acid Nanogels for Traceable and Targeted Delivery of Cytochrome <i>c</i> to Breast Tumor in Mice. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21155-21162.	4.0	79
31	Injectable and Thermosensitive Hydrogel Containing Liraglutide as a Long-Acting Antidiabetic System. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30703-30713.	4.0	77
32	Injectable hydrogels for the sustained delivery of a HER2-targeted antibody for preventing local relapse of HER2+ breast cancer after breast-conserving surgery. <i>Theranostics</i> , 2019, 9, 6080-6098.	4.6	75
33	Poly(lactic acid-co-glycolic acid)-poly(ethylene glycol)-poly(lactic acid-co-glycolic acid) thermogel as a novel submucosal cushion for endoscopic submucosal dissection. <i>Acta Biomaterialia</i> , 2014, 10, 1251-1258.	4.1	72
34	Nodular fasciitis: a retrospective study of 272 cases from China with clinicopathologic and radiologic correlation. <i>Annals of Diagnostic Pathology</i> , 2015, 19, 180-185.	0.6	70
35	Controlled release of liraglutide using thermogelling polymers in treatment of diabetes. <i>Scientific Reports</i> , 2016, 6, 31593.	1.6	69
36	Calcitonin-Loaded Thermosensitive Hydrogel for Long-Term Antiosteopenia Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23428-23440.	4.0	63

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37	Comparative studies of thermogels in preventing post-operative adhesions and corresponding mechanisms. <i>Biomaterials Science</i> , 2014, 2, 1100-1109.	2.6	61
38	Non-invasive monitoring of in vivo degradation of a radiopaque thermoreversible hydrogel and its efficacy in preventing post-operative adhesions. <i>Acta Biomaterialia</i> , 2017, 55, 396-409.	4.1	56
39	Functional biomedical hydrogels for in vivo imaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7793-7812.	2.9	55
40	An injectable thermosensitive hydrogel loaded with an ancient natural drug colchicine for myocardial repair after infarction. <i>Journal of Materials Chemistry B</i> , 2020, 8, 980-992.	2.9	54
41	Salt-induced reentrant hydrogel of poly(ethylene glycol)-poly(lactide-co-glycolide) block copolymers. <i>Polymer Chemistry</i> , 2014, 5, 979-991.	1.9	52
42	Clinicopathological Characteristics and Survival Outcomes of Primary Signet Ring Cell Carcinoma in the Stomach: Retrospective Analysis of Single Center Database. <i>PLoS ONE</i> , 2015, 10, e0144420.	1.1	51
43	An injectable thermogel with high radiopacity. <i>Chemical Communications</i> , 2015, 51, 6080-6083.	2.2	50
44	Visualizing the In Vivo Evolution of an Injectable and Thermosensitive Hydrogel Using Tri-modal Bioimaging. <i>Small Methods</i> , 2020, 4, 2000310.	4.6	49
45	Sustained release of lipophilic gemcitabine from an injectable polymeric hydrogel for synergistically enhancing tumor chemoradiotherapy. <i>Chemical Engineering Journal</i> , 2020, 396, 125320.	6.6	49
46	Sustained Release Strategy Designed for Lixisenatide Delivery to Synchronously Treat Diabetes and Associated Complications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29604-29618.	4.0	48
47	Structural mechanics of 3D-printed poly(lactic acid) scaffolds with tetragonal, hexagonal and wheel-like designs. <i>Biofabrication</i> , 2019, 11, 035009.	3.7	48
48	Encapsulation of cell-adhesive RGD peptides into a polymeric physical hydrogel to prevent postoperative tissue adhesion. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1599-1609.	1.6	44
49	An Intelligent Transdermal Formulation of ALA-Loaded Copolymer Thermogel with Spontaneous Asymmetry by Using Temperature-Induced Sol-Gel Transition and Gel-Sol (Suspension) Transition on Different Sides. <i>Advanced Functional Materials</i> , 2021, 31, 2100349.	7.8	44
50	Accelerated Cutaneous Wound Healing Using an Injectable Teicoplanin-loaded PLGA-PEG-PLGA Thermogel Dressing. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019, 37, 548-559.	2.0	41
51	In Vitro and In Vivo Evaluation of a Once-weekly Formulation of an Antidiabetic Peptide Drug Exenatide in an Injectable Thermogel. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 4140-4149.	1.6	39
52	Improved Solubility and Bioactivity of Camptothecin Family Antitumor Drugs with Supramolecular Encapsulation by Water-Soluble Pillar[6]arene. <i>ACS Omega</i> , 2017, 2, 5283-5288.	1.6	37
53	3D-Printed Porous Scaffolds of Hydrogels Modified with TGF- β 1 Binding Peptides to Promote In Vivo Cartilage Regeneration and Animal Gait Restoration. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15982-15995.	4.0	35
54	Sustained subconjunctival delivery of cyclosporine A using thermogelling polymers for glaucoma filtration surgery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6400-6411.	2.9	34

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55	Well-differentiated papillary mesothelioma: A 17-year single institution experience with a series of 75 cases. <i>Annals of Diagnostic Pathology</i> , 2019, 38, 43-50.	0.6	34
56	Thermogel Loaded with Low-Dose Paclitaxel as a Facile Coating to Alleviate Periprosthetic Fibrous Capsule Formation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30235-30246.	4.0	33
57	Enzymatically cross-linked hydrogels based on a linear poly(ethylene glycol) analogue for controlled protein release and 3D cell culture. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6067-6079.	2.9	32
58	Magnetic resonance imaging for non-invasive clinical evaluation of normal and regenerated cartilage. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbab038.	1.9	32
59	Effects of <i>l</i> -lactide and <i>d</i> -lactide in poly(lactide-co-glycolide)-poly(ethylene glycol)-poly(lactide-co-glycolide) on the bulk states of triblock copolymers, and their thermogelation and biodegradation in water. <i>RSC Advances</i> , 2014, 4, 8789-8798.	1.7	31
60	Injectable Thermogel Generated by the "Block Blend" Strategy as a Biomaterial for Endoscopic Submucosal Dissection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19778-19792.	4.0	29
61	An injectable hemostatic PEG-based hydrogel with on-demand dissolution features for emergency care. <i>Acta Biomaterialia</i> , 2022, 145, 106-121.	4.1	29
62	Selenium-containing thermogel for controlled drug delivery by coordination competition. <i>RSC Advances</i> , 2015, 5, 97975-97981.	1.7	28
63	Safe and Efficient Colonic Endoscopic Submucosal Dissection Using an Injectable Hydrogel. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 393-402.	2.6	28
64	Injectable and thermosensitive hydrogels mediating a universal macromolecular contrast agent with radiopacity for noninvasive imaging of deep tissues. <i>Bioactive Materials</i> , 2021, 6, 4717-4728.	8.6	28
65	Synergism among Polydispersed Amphiphilic Block Copolymers Leading to Spontaneous Physical Hydrogelation upon Heating. <i>Macromolecules</i> , 2020, 53, 7726-7739.	2.2	26
66	In vitro degradation and protein release of transparent and opaque physical hydrogels of block copolymers at body temperature. <i>Macromolecular Research</i> , 2012, 20, 234-243.	1.0	25
67	Biological sealing and integration of a fibrinogen-modified titanium alloy with soft and hard tissues in a rat model. <i>Biomaterials Science</i> , 2021, 9, 5192-5208.	2.6	25
68	Efficacy of Poly(d,l-Lactic Acid-co-Glycolic acid)-Poly(Ethylene Glycol)-Poly(d,l-Lactic Acid-co-Glycolic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Clinical Spine Surgery, 2017, 30, E283-E290.	0.7	24
69	Design of molecular parameters to achieve block copolymers with a powder form at dry state and a temperature-induced sol-gel transition in water without unexpected gelling prior to heating. <i>Macromolecular Research</i> , 2013, 21, 207-215.	1.0	23
70	Lipofibromatosis-like neural tumour: a clinicopathological study of ten additional cases of an emerging novel entity. <i>Pathology</i> , 2018, 50, 519-523.	0.3	23
71	Injectable PEG/polyester thermogel: A new liquid embolization agent for temporary vascular interventional therapy. <i>Materials Science and Engineering C</i> , 2019, 102, 606-615.	3.8	23
72	Strategy of "Block Blends" to Generate Polymeric Thermogels versus That of One-Component Block Copolymer. <i>Macromolecules</i> , 2020, 53, 11051-11064.	2.2	23

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73	An injectable hydrogel with or without drugs for prevention of epidural scar adhesion after laminectomy in rats. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016, 34, 147-163.	2.0	22
74	Effects of precipitate agents on temperature-responsive sol-gel transitions of PLGA-PEG-PLGA copolymers in water. <i>Colloid and Polymer Science</i> , 2010, 288, 1151-1159.	1.0	21
75	Centrally necrotizing carcinoma of the breast: clinicopathological analysis of 33 cases indicating its basal-like phenotype and poor prognosis. <i>Histopathology</i> , 2010, 57, 193-201.	1.6	21
76	Cucurbit[7]-assisted sustained release of human calcitonin from thermosensitive block copolymer hydrogel. <i>International Journal of Pharmaceutics</i> , 2017, 527, 52-60.	2.6	21
77	Intelligent Paper-Free Sprayable Skin Mask Based on an In Situ Formed Janus Hydrogel of an Environmentally Friendly Polymer. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102654.	3.9	21
78	Positional isomeric effects of coupling agents on the temperature-induced gelation of triblock copolymer aqueous solutions. <i>Polymer Chemistry</i> , 2017, 8, 2586-2597.	1.9	20
79	Coordination Insertion Mechanism of Ring-Opening Polymerization of Lactide Catalyzed by Stannous Octoate. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1965-1974.	2.6	20
80	Decisive Influence of Hydrophobic Side Chains of Polyesters on Thermoinduced Gelation of Triblock Copolymer Aqueous Solutions. <i>Macromolecules</i> , 2021, 54, 7421-7433.	2.2	20
81	Achieving High Drug Loading and Sustained Release of Hydrophobic Drugs in Hydrogels through In Situ Crystallization. <i>Macromolecular Bioscience</i> , 2017, 17, 1600299.	2.1	19
82	Synthesis of PCL-PEG-PCL Triblock Copolymer via Organocatalytic Ring-Opening Polymerization and Its Application as an Injectable Hydrogel—An Interdisciplinary Learning Trial. <i>Journal of Chemical Education</i> , 2020, 97, 4158-4165.	1.1	19
83	Clinicopathologic and radiologic features of extraskeletal myxoid chondrosarcoma: a retrospective study of 40 Chinese cases with literature review. <i>Annals of Diagnostic Pathology</i> , 2016, 23, 14-20.	0.6	17
84	Design, synthesis and ring-opening polymerization of a new iodinated carbonate monomer: a universal route towards ultrahigh radiopaque aliphatic polycarbonates. <i>Polymer Chemistry</i> , 2017, 8, 6665-6674.	1.9	17
85	A metal-polyphenolic nanosystem with NIR-II fluorescence-guided combined photothermal therapy and radiotherapy. <i>Chemical Communications</i> , 2021, 57, 11473-11476.	2.2	17
86	A Facile Composite Strategy to Prepare a Biodegradable Polymer Based Radiopaque Raw Material for Visualizable Biomedical Implants. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 24197-24212.	4.0	16
87	An oxygen-enriched thermosensitive hydrogel for the relief of a hypoxic tumor microenvironment and enhancement of radiotherapy. <i>Biomaterials Science</i> , 2021, 9, 7471-7482.	2.6	14
88	Effects of mature micelle formation of Pluronic P123 on equilibrium between lactone and carboxylate forms of 10-hydrocamptothecin in water. <i>Polymer Chemistry</i> , 2013, 4, 3245.	1.9	13
89	Preparation of stable micropatterns of gold on cell-adhesion-resistant hydrogels assisted by a hetero-bifunctional macromonomer linker. <i>Science China Chemistry</i> , 2014, 57, 645-653.	4.2	13
90	Epithelioid rhabdomyosarcoma: a clinicopathological study of seven additional cases supporting a distinctive variant with aggressive biological behaviour. <i>Pathology</i> , 2015, 47, 667-672.	0.3	11

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91	An Injectable Thermogel Containing Levonorgestrel for Long-Acting Contraception and Fertility Control of Animals. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 1357-1368.	0.5	10
92	EWSR1-SMAD3 positive fibroblastic tumor. <i>Experimental and Molecular Pathology</i> , 2019, 110, 104291.	0.9	9
93	NIR Light-Triggered Quantitative Pulsed Drug Release. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102362.	3.9	9
94	Pulmonary Blastoma Metastatic to the Ovary. <i>International Journal of Gynecological Pathology</i> , 2009, 28, 59-62.	0.9	8
95	A Micro-Environment Regulator for Filling the Clinical Treatment Gap after a Glioblastoma Operation. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101578.	3.9	7
96	Male breast carcinoma: a clinicopathological and immunohistochemical characterization study. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 6852-61.	0.5	6
97	Caulis Sargentodoxae Prescription Plays a Therapeutic Role with Decreased Inflammatory Cytokines in Peritoneal Fluid in the Rat Endometriosis Model. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-9.	0.5	5
98	Fixed-point -triggered by second near-infrared window light for augmented interventional photothermal therapy. <i>Biomaterials Science</i> , 2020, 8, 2955-2965.	2.6	5
99	Prognostic significance of cancer family history for patients with gastric cancer: a single center experience from China. <i>Oncotarget</i> , 2016, 7, 37305-37318.	0.8	5
100	Precisely Controlling Dimerization and Trimerization in Topochemical Reaction Templated by Biomacromolecules. <i>Macromolecules</i> , 2018, 51, 8038-8045.	2.2	4
101	Gene UCHL1 expresses specifically in mouse uterine decidual cells in response to estrogen. <i>Histochemistry and Cell Biology</i> , 2020, 154, 275-286.	0.8	4
102	Endoscopic ultrasonography-guided poly (lactic acid-co-glycolic acid)-poly (ethylene glycol)-poly (lactic acid-co-glycolic acid) thermogel tunnel creation for natural orifice transluminal endoscopic surgery in porcine model. <i>Journal of Cancer Research and Therapeutics</i> , 2019, 15, 415.	0.3	4
103	A coordination strategy to achieve instant dissolution of a biomedical polymer in water <i>via</i> manual shaking. <i>Biomaterials Science</i> , 2022, 10, 4561-4575.	2.6	3
104	Long-term delivery of etanercept mediated via a thermosensitive hydrogel for efficient inhibition of wear debris-induced inflammatory osteolysis. <i>Journal of Polymer Science</i> , 2022, 60, 2875-2888.	2.0	3
105	Assessment of <i>ALK</i> Fusions in Uncommon Inflammatory Myofibroblastic Tumors With <i>ALK</i> IHC Positivity but FISH-Equivocal Findings by Targeted RNA Sequencing. <i>Archives of Pathology and Laboratory Medicine</i> , 2022, 146, 1234-1242.	1.2	2
106	Progress of amphiphilic copolymers thermogels. <i>Chinese Science Bulletin</i> , 2021, 66, 2245-2260.	0.4	1