

Huaping Tan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4716213/publications.pdf>

Version: 2024-02-01

67
papers

5,964
citations

136740

32
h-index

98622

67
g-index

67
all docs

67
docs citations

67
times ranked

8175
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards the "sustainable" operation at -30°C without the expense of energy for heating on-face electronics: Intelligent heat conservation and waste heat utilization. <i>Energy Reports</i> , 2022, 8, 6753-6763.	2.5	1
2	Polysaccharide-based supramolecular drug delivery systems mediated via host-guest interactions of cucurbiturils. <i>Chinese Chemical Letters</i> , 2021, 32, 949-953.	4.8	19
3	A facile injectable carbon dot/oxidative polysaccharide hydrogel with potent self-healing and high antibacterial activity. <i>Carbohydrate Polymers</i> , 2021, 251, 117040.	5.1	68
4	Multi-stimuli-responsive, liposome-crosslinked poly(ethylene glycol) hydrogels for drug delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021, 32, 635-656.	1.9	16
5	Covalently injectable chitosan/chondroitin sulfate hydrogel integrated gelatin/heparin microspheres for soft tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 149-157.	1.8	20
6	Covalent and environment-responsive biopolymer hydrogel for drug delivery and wound healing. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021, 58, 736-747.	1.2	9
7	Thermal-reversible and self-healing hydrogel containing magnetic microspheres derived from natural polysaccharides for drug delivery. <i>European Polymer Journal</i> , 2021, 157, 110644.	2.6	18
8	Reinforcing concentrated phosphate electrolytes with in-situ polymerized skeletons for robust quasi-solid lithium metal batteries. <i>Energy Storage Materials</i> , 2020, 25, 305-312.	9.5	45
9	Dual-crosslinked alginate/carboxymethyl chitosan hydrogel containing in situ synthesized calcium phosphate particles for drug delivery application. <i>Materials Chemistry and Physics</i> , 2020, 241, 122354.	2.0	28
10	Doubly crosslinked biodegradable hydrogels based on gellan gum and chitosan for drug delivery and wound dressing. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2204-2214.	3.6	68
11	Supramolecular Modulation of Antibacterial Activity of Ambroxol by Cucurbit[7]uril. <i>ChemPlusChem</i> , 2020, 85, 679-683.	1.3	7
12	Biocompatible conjugation for biodegradable hydrogels as drug and cell scaffolds. <i>Cogent Engineering</i> , 2020, 7, 1736407.	1.1	3
13	An Injectable Hyaluronic Acid-Based Composite Hydrogel by DA Click Chemistry With pH Sensitive Nanoparticle for Biomedical Application. <i>Frontiers in Chemistry</i> , 2019, 7, 477.	1.8	39
14	Covalent Chitosan-Cellulose Hydrogels via Schiff-Base Reaction Containing Macromolecular Microgels for pH-Sensitive Drug Delivery and Wound Dressing. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900399.	1.1	35
15	Alginate membrane dressing toughened by chitosan floccule to load antibacterial drugs for wound healing. <i>Polymer Testing</i> , 2019, 79, 106039.	2.3	31
16	Fabrication, Investigation, and Application of Light-Responsive Self-Assembled Nanoparticles. <i>Frontiers in Chemistry</i> , 2019, 7, 620.	1.8	11
17	Covalently polysaccharide-based alginate/chitosan hydrogel embedded alginate microspheres for BSA encapsulation and soft tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 340-348.	3.6	93
18	Breathable Nanowood Biofilms as Guiding Layer for Green On-Skin Electronics. <i>Small</i> , 2019, 15, 1901079.	5.2	19

#	ARTICLE	IF	CITATIONS
19	Carbon nanotubes as electrophysiological building blocks for a bioactive cell scaffold through biological assembly to induce osteogenesis. <i>RSC Advances</i> , 2019, 9, 12001-12009.	1.7	13
20	Magnetic and self-healing chitosan-alginate hydrogel encapsulated gelatin microspheres via covalent cross-linking for drug delivery. <i>Materials Science and Engineering C</i> , 2019, 101, 619-629.	3.8	149
21	A pH-Responsive Multifunctional Nanocarrier in the Application of Chemo-Photodynamic Therapy. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-12.	1.5	5
22	Design, Synthesis, Investigation, and Application of a Macromolecule Photoswitch. <i>Frontiers in Chemistry</i> , 2019, 7, 86.	1.8	9
23	Dynamical release nanospheres containing cell growth factor from biopolymer hydrogel via reversible covalent conjugation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 1344-1359.	1.9	17
24	Injectable polysaccharide hydrogel embedded with hydroxyapatite and calcium carbonate for drug delivery and bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1257-1266.	3.6	147
25	Chitosan membrane dressings toughened by glycerol to load antibacterial drugs for wound healing. <i>Materials Science and Engineering C</i> , 2017, 81, 522-531.	3.8	115
26	Covalently antibacterial alginate-chitosan hydrogel dressing integrated gelatin microspheres containing tetracycline hydrochloride for wound healing. <i>Materials Science and Engineering C</i> , 2017, 70, 287-295.	3.8	294
27	Covalent and injectable chitosan-chondroitin sulfate hydrogels embedded with chitosan microspheres for drug delivery and tissue engineering. <i>Materials Science and Engineering C</i> , 2017, 71, 67-74.	3.8	143
28	Nano-Fibrous Biopolymer Hydrogels via Biological Conjugation for Osteogenesis. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 5562-5568.	0.9	4
29	Functional hydrogel contact lens for drug delivery in the application of ophthalmopathy therapy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 64, 43-52.	1.5	29
30	Injectable alginate/hydroxyapatite gel scaffold combined with gelatin microspheres for drug delivery and bone tissue engineering. <i>Materials Science and Engineering C</i> , 2016, 63, 274-284.	3.8	171
31	Surface functionalization of hydrogel by thiol-yne click chemistry for drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 489, 297-304.	2.3	29
32	Magnetic hyaluronic acid nanospheres via aqueous Diels-Alder chemistry to deliver dexamethasone for adipose tissue engineering. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 293-299.	5.0	22
33	Biodegradable hyaluronic acid hydrogels to control release of dexamethasone through aqueous Diels-Alder chemistry for adipose tissue engineering. <i>Materials Science and Engineering C</i> , 2015, 56, 311-317.	3.8	77
34	Injectable Multi-Arm Poly(ethylene glycol)/Hyaluronic Acid Hydrogels for Adipose Tissue Engineering. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2015, 52, 345-352.	1.2	13
35	Cytocompatible in situ forming chitosan/hyaluronan hydrogels via a metal-free click chemistry for soft tissue engineering. <i>Acta Biomaterialia</i> , 2015, 20, 60-68.	4.1	94
36	Magnetic biopolymer nanogels via biological assembly for vectoring delivery of biopharmaceuticals. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8399-8405.	2.9	33

#	ARTICLE	IF	CITATIONS
37	Injectable Graphene Oxide/Graphene Composite Supramolecular Hydrogel for Delivery of Anti-Cancer Drugs. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 378-384.	1.2	31
38	Injectable Gel Scaffold Based on Biopolymer Microspheres via an Enzymatic Reaction. <i>Advanced Healthcare Materials</i> , 2014, 3, 1769-1775.	3.9	24
39	Adipogenic Factor-Loaded Microspheres Increase Retention of Transplanted Adipose Tissue. <i>Tissue Engineering - Part A</i> , 2014, 20, 2283-2290.	1.6	12
40	Nanostructured Gel Scaffolds for Osteogenesis through Biological Assembly of Biopolymers via Specific Nucleobase Pairing. <i>Macromolecular Bioscience</i> , 2014, 14, 1521-1527.	2.1	12
41	Covalently crosslinked chitosan-poly(ethylene glycol) hybrid hydrogels to deliver insulin for adipose-derived stem cells encapsulation. <i>Macromolecular Research</i> , 2013, 21, 392-399.	1.0	19
42	Preparation of water-soluble and biocompatible graphene. <i>Micro and Nano Letters</i> , 2013, 8, 277-279.	0.6	10
43	Preparation of Biocompatible Graphene Oxide Composite Hydrogel to Deliver Ophthalmic Drugs. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 1201-1208.	1.2	8
44	Double stimulus-induced stem cell aggregation during differentiation on a biopolymer hydrogel substrate. <i>Chemical Communications</i> , 2013, 49, 11554.	2.2	28
45	Covalently crosslinked hyaluronic acid-chitosan hydrogel containing dexamethasone as an injectable scaffold for soft tissue engineering. <i>Journal of Applied Polymer Science</i> , 2013, 129, 682-688.	1.3	40
46	Alginate-Based Biomaterials for Regenerative Medicine Applications. <i>Materials</i> , 2013, 6, 1285-1309.	1.3	1,018
47	Synthesis and Characterization of Cyclodextrin-containing Hydrogel for Ophthalmic Drugs Delivery. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 983-990.	1.2	15
48	Biological self-assembly of injectable hydrogel as cell scaffold via specific nucleobase pairing. <i>Chemical Communications</i> , 2012, 48, 10289.	2.2	65
49	Injectable Nanohybrid Scaffold for Biopharmaceuticals Delivery and Soft Tissue Engineering. <i>Macromolecular Rapid Communications</i> , 2012, 33, 2015-2022.	2.0	44
50	Heparin Interacting Protein Mediated Assembly of Nano-Fibrous Hydrogel Scaffolds for Guided Stem Cell Differentiation. <i>Macromolecular Bioscience</i> , 2012, 12, 621-627.	2.1	22
51	Injectable <i>in situ</i> forming glucose-responsive dextran-based hydrogels to deliver adipogenic factor for adipose tissue engineering. <i>Journal of Applied Polymer Science</i> , 2012, 126, E180.	1.3	16
52	Controlled gelation and degradation rates of injectable hyaluronic acid-based hydrogels through a double crosslinking strategy. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011, 5, 790-797.	1.3	98
53	Direct Synthesis of Biodegradable Polysaccharide Derivative Hydrogels Through Aqueous Diels-Alder Chemistry. <i>Macromolecular Rapid Communications</i> , 2011, 32, 905-911.	2.0	132
54	Novel multiarm PEG-based hydrogels for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 979-987.	2.1	47

#	ARTICLE	IF	CITATIONS
55	The Design of Biodegradable Microcarriers for Induced Cell Aggregation. <i>Macromolecular Bioscience</i> , 2010, 10, 156-163.	2.1	43
56	Injectable in situ forming biodegradable chitosan-hyaluronic acid based hydrogels for adipose tissue regeneration. <i>Organogenesis</i> , 2010, 6, 173-180.	0.4	106
57	Injectable, Biodegradable Hydrogels for Tissue Engineering Applications. <i>Materials</i> , 2010, 3, 1746-1767.	1.3	536
58	RGD modified PLGA/gelatin microspheres as microcarriers for chondrocyte delivery. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 91B, 228-238.	1.6	69
59	Gelatin/chitosan/hyaluronan scaffold integrated with PLGA microspheres for cartilage tissue engineering. <i>Acta Biomaterialia</i> , 2009, 5, 328-337.	4.1	166
60	Injectable in situ forming biodegradable chitosan-hyaluronic acid based hydrogels for cartilage tissue engineering. <i>Biomaterials</i> , 2009, 30, 2499-2506.	5.7	869
61	Covalently immobilized gelatin gradients within three-dimensional porous scaffolds. <i>Science Bulletin</i> , 2009, 54, 3174-3180.	1.7	21
62	Thermosensitive injectable hyaluronic acid hydrogel for adipose tissue engineering. <i>Biomaterials</i> , 2009, 30, 6844-6853.	5.7	332
63	Biomimetic modification of chitosan with covalently grafted lactose and blended heparin for improvement of <i>in vitro</i> cellular interaction. <i>Polymers for Advanced Technologies</i> , 2008, 19, 15-23.	1.6	31
64	Preparation and properties of an injectable scaffold of poly(lactic-co-glycolic acid) microparticles/chitosan hydrogel. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2008, 1, 352-359.	1.5	40
65	Chitosan modified poly(l-lactide) microspheres as cell microcarriers for cartilage tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 66, 218-225.	2.5	114
66	Microscale control over collagen gradient on poly(l-lactide) membrane surface for manipulating chondrocyte distribution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 67, 210-215.	2.5	39
67	Gelatin/chitosan/hyaluronan ternary complex scaffold containing basic fibroblast growth factor for cartilage tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1961-1968.	1.7	63