

Wujie Zhang

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.

32
papers

1,311
citations

16
h-index

36
g-index

36
ext. papers

1,453
ext. citations

4.2
avg, IF

4.02
L-index

#	Paper	IF	Citations
32	Design and Stability Improvement of Pectin-Based Red Blood Cell-Mimicking Microcapsules for Oxygen Therapeutics. <i>Journal of Biomedical Nanotechnology</i> , 2021 , 17, 1798-1805	4	0
31	Green Synthesis of Gold Nanoparticles Using Upland Cress and Their Biochemical Characterization and Assessment.. <i>Nanomaterials</i> , 2021 , 12,	5.4	2
30	Biosynthesis of silver nanoparticles using upland cress: purification, characterisation, and antimicrobial activity. <i>Micro and Nano Letters</i> , 2020 , 15, 110-113	0.9	2
29	Calcium-oligochitosan-pectin microcarrier for colonic drug delivery. <i>Pharmaceutical Development and Technology</i> , 2020 , 25, 260-265	3.4	10
28	Nanotechnology for Bioengineers. <i>Synthesis Lectures on Biomedical Engineering</i> , 2020 , 15, 1-109	0.3	
27	Stability improvement and characterization of bioprinted pectin-based scaffold. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2019 , 17, 2280800018807108	1.8	6
26	Design of pectin-based bioink containing bioactive agent-loaded microspheres for bioprinting. <i>Biomedical Physics and Engineering Express</i> , 2019 , 5, 067004	1.5	4
25	Design of a Novel Oxygen Therapeutic Using Polymeric Hydrogel Microcapsules Mimicking Red Blood Cells. <i>Pharmaceutics</i> , 2019 , 11,	6.4	10
24	Electrospinning pectin-based nanofibers: a parametric and cross-linker study. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 33-40	3.3	22
23	Novel bioprinting method using a pectin based bioink. <i>Technology and Health Care</i> , 2017 , 25, 651-655	1.1	16
22	Engineering Microvascularized 3D Tissue Using Alginate-Chitosan Microcapsules. <i>Journal of Biomaterials and Tissue Engineering</i> , 2017 , 7, 170-173	0.3	13
21	Novel pectin-based carriers for colonic drug delivery. <i>Pharmaceutical Development and Technology</i> , 2016 , 21, 127-30	3.4	31
20	Design of artificial red blood cells using polymeric hydrogel microcapsules: hydrogel stability improvement and polymer selection. <i>International Journal of Artificial Organs</i> , 2016 , 39, 518-523	1.9	7
19	Bioencapsulation technologies in tissue engineering. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2016 , 14, e395-e403	1.8	15
18	Development of a microscale red blood cell-shaped pectin-oligochitosan hydrogel system using an electro-spray-vibration method: preparation and characterization. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2015 , 13, e326-31	1.8	12
17	Encapsulation of Transgenic Cells for Gene Therapy 2015 ,		1
16	Chitosan-Decorated Doxorubicin-Encapsulated Nanoparticle Targets and Eliminates Tumor Reinitiating Cancer Stem-like Cells. <i>ACS Nano</i> , 2015 , 9, 5725-40	16.7	209

15	Thermally responsive nanoparticle-encapsulated curcumin and its combination with mild hyperthermia for enhanced cancer cell destruction. <i>Acta Biomaterialia</i> , 2014 , 10, 831-42	10.8	54
14	A Novel Red-Blood-Cell-Shaped Pectin-Oligochitosan Hydrogel System. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 955-959	3.1	11
13	Coaxial electrospray of liquid core-hydrogel shell microcapsules for encapsulation and miniaturized 3D culture of pluripotent stem cells. <i>Integrative Biology (United Kingdom)</i> , 2014 , 6, 874-84	3.7	67
12	Hydrogels: A Novel Red-Blood-Cell-Shaped Pectin-Oligochitosan Hydrogel System (Part. Part. Syst. Charact. 9/2014). <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 912-912	3.1	
11	A Novel Core-Shell Microcapsule for Encapsulation and 3D Culture of Embryonic Stem Cells. <i>Journal of Materials Chemistry B</i> , 2013 , 2013, 1002-1009	7.3	93
10	One-step microfluidic generation of pre-hatching embryo-like core-shell microcapsules for miniaturized 3D culture of pluripotent stem cells. <i>Lab on A Chip</i> , 2013 , 13, 4525-33	7.2	138
9	Robust antimicrobial compounds and polymers derived from natural resin acids. <i>Chemical Communications</i> , 2012 , 48, 916-8	5.8	131
8	Degradable rosin-ester-caprolactone graft copolymers. <i>Biomacromolecules</i> , 2011 , 12, 2171-7	6.9	92
7	Microencapsulating and Banking Living Cells for Cell-Based Medicine. <i>Journal of Healthcare Engineering</i> , 2011 , 2, 427-446	3.7	34
6	Synthesis and characterization of thermally responsive Pluronic F127-chitosan nanocapsules for controlled release and intracellular delivery of small molecules. <i>ACS Nano</i> , 2010 , 4, 6747-59	16.7	134
5	Preferential vitrification of water in small alginate microcapsules significantly augments cell cryopreservation by vitrification. <i>Biomedical Microdevices</i> , 2010 , 12, 89-96	3.7	60
4	The encapsulation and intracellular delivery of trehalose using a thermally responsive nanocapsule. <i>Nanotechnology</i> , 2009 , 20, 275101	3.4	44
3	Encapsulation of living cells in small (approximately 100 microm) alginate microcapsules by electrostatic spraying: a parametric study. <i>Journal of Biomechanical Engineering</i> , 2009 , 131, 074515	2.1	59
2	Biocompatibility and membrane strength of C3H10T1/2 cell-loaded alginate-based microcapsules. <i>Cytotherapy</i> , 2008 , 10, 90-7	4.8	23
1	Supercritical CO2 Spray Drying of Ethyl Cellulose (EC) for Preparing Microparticles. <i>Drying Technology</i> , 2008 , 26, 464-469	2.6	10