

Xiao Liu

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.

44
papers

1,550
citations

20
h-index

39
g-index

49
ext. papers

1,774
ext. citations

7.3
avg, IF

4.62
L-index

#	Paper	IF	Citations
44	3D-bioprinted vascular scaffold with tunable mechanical properties for simulating and promoting neo-vascularization. <i>Smart Materials in Medicine</i> , 2022 , 3, 199-208	12.9	4
43	Bioprinting of Chondrocyte Stem Cell Co-Cultures for Auricular Cartilage Regeneration.. <i>ACS Omega</i> , 2022 , 7, 5908-5920	3.9	2
42	An electroactive hybrid biointerface for enhancing neuronal differentiation and axonal outgrowth on bio-subretinal chip.. <i>Materials Today Bio</i> , 2022 , 14, 100253	9.9	0
41	A 3D printed graphene electrode device for enhanced and scalable stem cell culture, osteoinduction and tissue building. <i>Materials and Design</i> , 2021 , 201, 109473	8.1	2
40	Electrofluidic control of bioactive molecule delivery into soft tissue models based on gelatin methacryloyl hydrogels using threads and surgical sutures. <i>Scientific Reports</i> , 2020 , 10, 7120	4.9	7
39	Biomimetic corneal stroma using electro-compacted collagen. <i>Acta Biomaterialia</i> , 2020 , 113, 360-371	10.8	13
38	Encapsulation of Human Natural and Induced Regulatory T-Cells in IL-2 and CCL1 Supplemented Alginate-GelMA Hydrogel for 3D Bioprinting. <i>Advanced Functional Materials</i> , 2020 , 30, 2000544	15.6	16
37	Graphene Oxide-Based Nanomaterials: An Insight into Retinal Prosthesis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
36	Light Cross-Linkable Marine Collagen for Coaxial Printing of a 3D Model of Neuromuscular Junction Formation. <i>Biomedicines</i> , 2020 , 9,	4.8	12
35	Composite Tissue Adhesive Containing Catechol-Modified Hyaluronic Acid and Poly-l-lysine.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 628-638	4.1	10
34	A microvalve cell printing technique using riboflavin photosensitizer for selective cell patterning onto a retinal chip. <i>Bioprinting</i> , 2020 , 20, e00097	7	1
33	3D Printing of Cytocompatible Graphene/Alginate Scaffolds for Mimetic Tissue Constructs. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 824	5.8	16
32	Electrical stimulation-induced osteogenesis of human adipose derived stem cells using a conductive graphene-cellulose scaffold. <i>Materials Science and Engineering C</i> , 2020 , 107, 110312	8.3	28
31	Pancreatic Islet Transplantation: Development of a Coaxial 3D Printing Platform for Biofabrication of Implantable Islet-Containing Constructs (Adv. Healthcare Mater. 7/2019). <i>Advanced Healthcare Materials</i> , 2019 , 8, 1970029	10.1	
30	3D graphene-containing structures for tissue engineering. <i>Materials Today Chemistry</i> , 2019 , 14, 100199	6.2	17
29	Smart graphene-cellulose paper for 2D or 3D "origami-inspired" human stem cell support and differentiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 176, 87-95	6	20
28	Development of a Coaxial 3D Printing Platform for Biofabrication of Implantable Islet-Containing Constructs. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801181	10.1	34

27	Biomaterials for corneal bioengineering. <i>Biomedical Materials (Bristol)</i> , 2018 , 13, 032002	3.5	52
26	Fabrication and In Vitro Characterization of Electrochemically Compacted Collagen/Sulfated Xylorhamnoglycuronan Matrix for Wound Healing Applications. <i>Polymers</i> , 2018 , 10,	4.5	18
25	Advanced fabrication approaches to controlled delivery systems for epilepsy treatment. <i>Expert Opinion on Drug Delivery</i> , 2018 , 15, 915-925	8	11
24	A smart cyto-compatible asymmetric polypyrrole membrane for salinity power generation. <i>Nano Energy</i> , 2018 , 53, 475-482	17.1	35
23	Characterization of 3D-Printed Human Regulatory T-Cells. <i>Transplantation</i> , 2018 , 102, S109	1.8	
22	Three-dimensional neuronal cell culture: in pursuit of novel treatments for neurodegenerative disease. <i>MRS Communications</i> , 2017 , 7, 320-331	2.7	4
21	Development of a porous 3D graphene-PDMS scaffold for improved osseointegration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 159, 386-393	6	34
20	A Cytocompatible Robust Hybrid Conducting Polymer Hydrogel for Use in a Magnesium Battery. <i>Advanced Materials</i> , 2016 , 28, 9349-9355	24	46
19	Advances in printing biomaterials and living cells: implications for islet cell transplantation. <i>Current Opinion in Organ Transplantation</i> , 2016 , 21, 467-75	2.5	22
18	A novel and facile approach to fabricate a conductive and biomimetic fibrous platform with sub-micron and micron features. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1056-1063	7.3	9
17	The effect of treatment time on the ionic liquid surface film formation: Promising surface coating for Mg alloy AZ31. <i>Surface and Coatings Technology</i> , 2016 , 296, 192-202	4.4	12
16	Influence of Biodopants on PEDOT Biomaterial Polymers: Using QCM-D to Characterize Polymer Interactions with Proteins and Living Cells. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1300122	4.6	42
15	Biofunctionalized anti-corrosive silane coatings for magnesium alloys. <i>Acta Biomaterialia</i> , 2013 , 9, 8671-70.8	10.8	89
14	PEGylation of platinum bio-electrodes. <i>Electrochemistry Communications</i> , 2013 , 27, 54-58	5.1	12
13	Inkjet printed polypyrrole/collagen scaffold: A combination of spatial control and electrical stimulation of PC12 cells. <i>Synthetic Metals</i> , 2012 , 162, 1375-1380	3.6	48
12	Inhibition of smooth muscle cell adhesion and proliferation on heparin-doped polypyrrole. <i>Acta Biomaterialia</i> , 2012 , 8, 194-200	10.8	53
11	Conducting polymers with immobilised fibrillar collagen for enhanced neural interfacing. <i>Biomaterials</i> , 2011 , 32, 7309-17	15.6	94
10	Bio-functionalisation of polydimethylsiloxane with hyaluronic acid and hyaluronic acid-collagen conjugate for neural interfacing. <i>Biomaterials</i> , 2011 , 32, 4714-24	15.6	53

9	Fabrication and characterization of cytocompatible polypyrrole films inkjet printed from nanoformulations cytocompatible, inkjet-printed polypyrrole films. <i>Small</i> , 2011 , 7, 3434-8	11	12
8	Guidance of neurite outgrowth on aligned electrospun polypyrrole/poly(styrene-beta-isobutylene-beta-styrene) fiber platforms. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 94, 1004-11	5.4	30
7	Electrical stimulation promotes nerve cell differentiation on polypyrrole/poly (2-methoxy-5 aniline sulfonic acid) composites. <i>Journal of Neural Engineering</i> , 2009 , 6, 065002	5	73
6	3D bio-nanofibrous PPy/SIBS mats as platforms for cell culturing. <i>Chemical Communications</i> , 2008 , 3729-38	3.8	39
5	UNUSUAL ELECTROCHEMICAL RESPONSE OF ELECTROCHEMICAL ETCHING ON MULTIWALLED CARBON NANOTUBES. <i>Nano</i> , 2008 , 03, 461-467	1.1	3
4	PtBb alloy nanoparticle/carbon nanotube nanocomposite: a strong electrocatalyst for glucose oxidation. <i>Nanotechnology</i> , 2006 , 17, 2334-2339	3.4	162
3	In situ temporal detection of dopamine exocytosis from l-dopa-incubated MN9D cells using microelectrode array-integrated biochip. <i>Sensors and Actuators B: Chemical</i> , 2006 , 115, 634-641	8.5	23
2	Electrochemical oxidation of multi-walled carbon nanotubes and its application to electrochemical double layer capacitors. <i>Electrochemistry Communications</i> , 2005 , 7, 249-255	5.1	170
1	Preparation and characterization of aligned carbon nanotube-ruthenium oxide nanocomposites for supercapacitors. <i>Small</i> , 2005 , 1, 560-5	11	210