

# Xiao Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2950240/publications.pdf>

Version: 2024-02-01

47  
papers

2,025  
citations

279487

23  
h-index

243296

44  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3429  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-bioprinted vascular scaffold with tunable mechanical properties for simulating and promoting neo-vascularization. <i>Smart Materials in Medicine</i> , 2022, 3, 199-208.	3.7	19
2	Bioprinting of Chondrocyte Stem Cell Co-Cultures for Auricular Cartilage Regeneration. <i>ACS Omega</i> , 2022, 7, 5908-5920.	1.6	15
3	An electroactive hybrid biointerface for enhancing neuronal differentiation and axonal outgrowth on bio-subretinal chip. <i>Materials Today Bio</i> , 2022, 14, 100253.	2.6	8
4	Sensing and Stimulating Electrodes for Electroceuticals. <i>Frontiers in Sensors</i> , 2022, 3, .	1.7	0
5	A Battery Method to Enhance the Degradation of Iron Stent and Regulating the Effect on Living Cells. <i>Small Methods</i> , 2022, 6, .	4.6	3
6	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.	3.3	6
7	Light Cross-Linkable Marine Collagen for Coaxial Printing of a 3D Model of Neuromuscular Junction Formation. <i>Biomedicines</i> , 2021, 9, 16.	1.4	24
8	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.	3.8	47
9	Composite Tissue Adhesive Containing Catechol-Modified Hyaluronic Acid and Poly-lysine. <i>ACS Applied Bio Materials</i> , 2020, 3, 628-638.	2.3	20
10	A microvalve cell printing technique using riboflavin photosensitizer for selective cell patterning onto a retinal chip. <i>Bioprinting</i> , 2020, 20, e00097.	2.9	8
11	3D Printing of Cytocompatible Graphene/Alginate Scaffolds for Mimetic Tissue Constructs. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 824.	2.0	41
12	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.	1.6	15
13	Biomimetic corneal stroma using electro-compacted collagen. <i>Acta Biomaterialia</i> , 2020, 113, 360-371.	4.1	23
14	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.	7.8	31
15	Graphene Oxide-Based Nanomaterials: An Insight into Retinal Prosthesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2957.	1.8	19
16	3D graphene-containing structures for tissue engineering. <i>Materials Today Chemistry</i> , 2019, 14, 100199.	1.7	23
17	Pancreatic Islet Transplantation: Development of a Coaxial 3D Printing Platform for Biofabrication of Implantable Islet-Containing Constructs ( <i>Adv. Healthcare Mater.</i> 7/2019). <i>Advanced Healthcare Materials</i> , 2019, 8, 1970029.	3.9	1
18	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.	2.5	31

#	ARTICLE	IF	CITATIONS
19	Development of a Coaxial 3D Printing Platform for Biofabrication of Implantable Islet-Containing Constructs. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801181.	3.9	55
20	Biomaterials for corneal bioengineering. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 032002.	1.7	91
21	Advanced fabrication approaches to controlled delivery systems for epilepsy treatment. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 915-925.	2.4	16
22	A smart cyto-compatible asymmetric polypyrrole membrane for salinity power generation. <i>Nano Energy</i> , 2018, 53, 475-482.	8.2	54
23	Characterization of 3D-Printed Human Regulatory T-Cells. <i>Transplantation</i> , 2018, 102, S109.	0.5	0
24	Fabrication and In Vitro Characterization of Electrochemically Compacted Collagen/Sulfated Xylorhamnoglycuronan Matrix for Wound Healing Applications. <i>Polymers</i> , 2018, 10, 415.	2.0	22
25	Three-dimensional neuronal cell culture: in pursuit of novel treatments for neurodegenerative disease. <i>MRS Communications</i> , 2017, 7, 320-331.	0.8	5
26	Development of a porous 3D graphene-PDMS scaffold for improved osseointegration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 386-393.	2.5	52
27	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.	2.2	17
28	A Cytocompatible Robust Hybrid Conducting Polymer Hydrogel for Use in a Magnesium Battery. <i>Advanced Materials</i> , 2016, 28, 9349-9355.	11.1	67
29	Advances in printing biomaterials and living cells. <i>Current Opinion in Organ Transplantation</i> , 2016, 21, 467-475.	0.8	31
30	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.	2.9	10
31	Influence of Biodopants on PEDOT Biomaterial Polymers: Using QCM to Characterize Polymer Interactions with Proteins and Living Cells. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300122.	1.9	47
32	Biofunctionalized anti-corrosive silane coatings for magnesium alloys. <i>Acta Biomaterialia</i> , 2013, 9, 8671-8677.	4.1	116
33	PEGylation of platinum bio-electrodes. <i>Electrochemistry Communications</i> , 2013, 27, 54-58.	2.3	14
34	Inkjet printed polypyrrole/collagen scaffold: A combination of spatial control and electrical stimulation of PC12 cells. <i>Synthetic Metals</i> , 2012, 162, 1375-1380.	2.1	61
35	Inhibition of smooth muscle cell adhesion and proliferation on heparin-doped polypyrrole. <i>Acta Biomaterialia</i> , 2012, 8, 194-200.	4.1	60
36	Conducting polymers with immobilised fibrillar collagen for enhanced neural interfacing. <i>Biomaterials</i> , 2011, 32, 7309-7317.	5.7	105

#	ARTICLE	IF	CITATIONS
37	Bio-functionalisation of polydimethylsiloxane with hyaluronic acid and hyaluronic acid â€“ Collagen conjugate for neural interfacing. Biomaterials, 2011, 32, 4714-4724.	5.7	60
38	Fabrication and Characterization of Cytocompatible Polypyrrole Films Inkjet Printed from Nanoformulations Cytocompatible, Inkjetâ€Printed Polypyrrole Films. Small, 2011, 7, 3434-3438.	5.2	18
39	Guidance of neurite outgrowth on aligned electrospun polypyrrole/poly(styreneâ€isobutyleneâ€styrene) fiber platforms. Journal of Biomedical Materials Research - Part A, 2010, 94A, 1004-1011.	2.1	39
40	Electrical stimulation promotes nerve cell differentiation on polypyrrole/poly (2-methoxy-5 aniline) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.8	94
41	3D Bio-nanofibrous PPy/SIBS mats as platforms for cell culturing. Chemical Communications, 2008, , 3729.	2.2	41
42	UNUSUAL ELECTROCHEMICAL RESPONSE OF ELECTROCHEMICAL ETCHING ON MULTIWALLED CARBON NANOTUBES. Nano, 2008, 03, 461-467.	0.5	4
43	Ptâ€Pb alloy nanoparticle/carbon nanotube nanocomposite: a strong electrocatalyst for glucose oxidation. Nanotechnology, 2006, 17, 2334-2339.	1.3	179
44	In situ temporal detection of dopamine exocytosis from l-dopa-incubated MN9D cells using microelectrode array-integrated biochip. Sensors and Actuators B: Chemical, 2006, 115, 634-641.	4.0	25
45	Electrochemical oxidation of multi-walled carbon nanotubes and its application to electrochemical double layer capacitors. Electrochemistry Communications, 2005, 7, 249-255.	2.3	185
46	Preparation and Characterization of Aligned Carbon Nanotube-Ruthenium Oxide Nanocomposites for Supercapacitors. Small, 2005, 1, 560-565.	5.2	222
47	Development of an <i> in-situ</i> Printing System with Human Platelet Lysate Based Bioink to Treat Corneal Perforation. SSRN Electronic Journal, 0, , .	0.4	0