

Locke Davenport Huyer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7911843/publications.pdf>

Version: 2024-02-01

27
papers

1,660
citations

471371

17
h-index

526166

27
g-index

29
all docs

29
docs citations

29
times ranked

2610
citing authors

#	ARTICLE	IF	CITATIONS
1	A Platform for Generation of Chamber-Specific Cardiac Tissues and Disease Modeling. <i>Cell</i> , 2019, 176, 913-927.e18.	13.5	398
2	Flexible shape-memory scaffold for minimally invasive delivery of functional tissues. <i>Nature Materials</i> , 2017, 16, 1038-1046.	13.3	295
3	Moldable elastomeric polyester-carbon nanotube scaffolds for cardiac tissue engineering. <i>Acta Biomaterialia</i> , 2017, 52, 81-91.	4.1	135
4	Biomaterial based cardiac tissue engineering and its applications. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 034004.	1.7	79
5	Highly Elastic and Moldable Polyester Biomaterial for Cardiac Tissue Engineering Applications. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 780-788.	2.6	79
6	Biowire Model of Interstitial and Focal Cardiac Fibrosis. <i>ACS Central Science</i> , 2019, 5, 1146-1158.	5.3	78
7	Advanced Strategies for Modulation of the Material-Macrophage Interface. <i>Advanced Functional Materials</i> , 2020, 30, 1909331.	7.8	69
8	InVADE: Integrated Vasculature for Assessing Dynamic Events. <i>Advanced Functional Materials</i> , 2017, 27, 1703524.	7.8	62
9	Recapitulating Pancreatic Tumor Microenvironment through Synergistic Use of Patient Organoids and Organ-on-a-Chip Vasculature. <i>Advanced Functional Materials</i> , 2020, 30, 2000545.	7.8	62
10	Microfabrication of AngioChip, a biodegradable polymer scaffold with microfluidic vasculature. <i>Nature Protocols</i> , 2018, 13, 1793-1813.	5.5	58
11	A well plate-based multiplexed platform for incorporation of organoids into an organ-on-a-chip system with a perfusable vasculature. <i>Nature Protocols</i> , 2021, 16, 2158-2189.	5.5	51
12	The role of Wnt regulation in heart development, cardiac repair and disease: A tissue engineering perspective. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 698-703.	1.0	48
13	Review: Multimodal bioactive material approaches for wound healing. <i>APL Bioengineering</i> , 2018, 2, 021503.	3.3	46
14	3D Printing of Vascular Tubes Using Bioelastomer Prepolymers by Freeform Reversible Embedding. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1333-1343.	2.6	40
15	One-Pot Synthesis of Unsaturated Polyester Bioelastomer with Controllable Material Curing for Microscale Designs. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900245.	3.9	23
16	Method for the Fabrication of Elastomeric Polyester Scaffolds for Tissue Engineering and Minimally Invasive Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 3691-3703.	2.6	22
17	Heart-on-a-Chip Platform for Assessing Toxicity of Air Pollution Related Nanoparticles. <i>Advanced Materials Technologies</i> , 2021, 6, 2000726.	3.0	22
18	Biomaterials direct functional B cell response in a material-specific manner. <i>Science Advances</i> , 2021, 7, eabj5830.	4.7	18

#	ARTICLE	IF	CITATIONS
19	Degradation of poly(5-hydroxy-trimethylene carbonate) in aqueous environments. <i>Polymer Degradation and Stability</i> , 2018, 158, 83-91.	2.7	13
20	Toward Renewable and Functional Biomedical Polymers with Tunable Degradation Rates Based on Itaconic Acid and 1,8-Octanediol. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1943-1955.	2.0	13
21	Macrophage Immunomodulation Through New Polymers that Recapitulate Functional Effects of Itaconate as a Power House of Innate Immunity. <i>Advanced Functional Materials</i> , 2021, 31, 2003341.	7.8	12
22	Macrophage Polarization with Angiopoietin-1 Peptide QHREDGS. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4542-4550.	2.6	10
23	Discovery: Virtual Implementation of Inquiry-Based Remote Learning for Secondary STEM Students During the COVID-19 Pandemic. <i>Biomedical Engineering Education</i> , 2021, 1, 87-94.	0.6	9
24	Enhancing senior high school student engagement and academic performance using an inclusive and scalable inquiry-based program. <i>Npj Science of Learning</i> , 2020, 5, 17.	1.5	6
25	Elastic Biomaterial Scaffold with Spatially Varying Adhesive Design. <i>Advanced Biology</i> , 2020, 4, e2000046.	3.0	5
26	Organ-on-a-Chip: InVADE: Integrated Vasculature for Assessing Dynamic Events (<i>Adv. Funct. Mater.</i>)	7.8	1
27	An Organ-on-a-Chip System to Study Anaerobic Bacteria in Intestinal Health and Disease. <i>Med</i> , 2021, 2, 16-18.	2.2	0