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List of Publications by Citations

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Version: 2024-04-10

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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.

28 papers	2,625 citations	20 h-index	32 g-index
32 ext. papers	3,237 ext. citations	7.1 avg, IF	4.9 L-index

#	Paper	IF	Citations
28	Bioprinting 3D microfibrinous scaffolds for engineering endothelialized myocardium and heart-on-a-chip. <i>Biomaterials</i> , 2016 , 110, 45-59	15.6	495
27	Multisensor-integrated organs-on-chips platform for automated and continual in situ monitoring of organoid behaviors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2293-E2302	11.5	416
26	3D Bioprinting for Tissue and Organ Fabrication. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 148-163	4.7	368
25	Multi-tissue interactions in an integrated three-tissue organ-on-a-chip platform. <i>Scientific Reports</i> , 2017 , 7, 8837	4.9	297
24	Aptamer-Based Microfluidic Electrochemical Biosensor for Monitoring Cell-Secreted Trace Cardiac Biomarkers. <i>Analytical Chemistry</i> , 2016 , 88, 10019-10027	7.8	137
23	Automated microfluidic platform of bead-based electrochemical immunosensor integrated with bioreactor for continual monitoring of cell secreted biomarkers. <i>Scientific Reports</i> , 2016 , 6, 24598	4.9	107
22	From cardiac tissue engineering to heart-on-a-chip: beating challenges. <i>Biomedical Materials (Bristol)</i> , 2015 , 10, 034006	3.5	96
21	Label-Free and Regenerative Electrochemical Microfluidic Biosensors for Continual Monitoring of Cell Secretomes. <i>Advanced Science</i> , 2017 , 4, 1600522	13.6	80
20	Elastomeric free-form blood vessels for interconnecting organs on chip systems. <i>Lab on A Chip</i> , 2016 , 16, 1579-86	7.2	70
19	A cost-effective fluorescence mini-microscope for biomedical applications. <i>Lab on A Chip</i> , 2015 , 15, 3661-92	7.2	68
18	Drug compound screening in single and integrated multi-organoid body-on-a-chip systems. <i>Biofabrication</i> , 2020 , 12, 025017	10.5	63
17	A multi-site metastasis-on-a-chip microphysiological system for assessing metastatic preference of cancer cells. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 936-944	4.9	62
16	Probing prodrug metabolism and reciprocal toxicity with an integrated and humanized multi-tissue organ-on-a-chip platform. <i>Acta Biomaterialia</i> , 2020 , 106, 124-135	10.8	51
15	Immersion Bioprinting of Tumor Organoids in Multi-Well Plates for Increasing Chemotherapy Screening Throughput. <i>Micromachines</i> , 2020 , 11,	3.3	47
14	Appendiceal Cancer Patient-Specific Tumor Organoid Model for Predicting Chemotherapy Efficacy Prior to Initiation of Treatment: A Feasibility Study. <i>Annals of Surgical Oncology</i> , 2019 , 26, 139-147	3.1	41
13	Deconstructed Microfluidic Bone Marrow On-A-Chip to Study Normal and Malignant Hemopoietic Cell-Niche Interactions. <i>Small</i> , 2019 , 15, e1902971	11	40
12	Model of Patient-Specific Immune-Enhanced Organoids for Immunotherapy Screening: Feasibility Study. <i>Annals of Surgical Oncology</i> , 2020 , 27, 1956-1967	3.1	40

11	Hybrid Microscopy: Enabling Inexpensive High-Performance Imaging through Combined Physical and Optical Magnifications. <i>Scientific Reports</i> , 2016 , 6, 22691	4.9	39
10	Google Glass-Directed Monitoring and Control of Microfluidic Biosensors and Actuators. <i>Scientific Reports</i> , 2016 , 6, 22237	4.9	29
9	A mechanically robust thixotropic collagen and hyaluronic acid bioink supplemented with gelatin nanoparticles. <i>Bioprinting</i> , 2019 , 16, e00058	7	21
8	Microfluidic integration of regeneratable electrochemical affinity-based biosensors for continual monitoring of organ-on-a-chip devices. <i>Nature Protocols</i> , 2021 , 16, 2564-2593	18.8	19
7	Platinum nanopetal-based potassium sensors for acute cell death monitoring. <i>RSC Advances</i> , 2016 , 6, 40517-40526	3.7	13
6	Design of an Adhesive Film-Based Microfluidic Device for Alginate Hydrogel-Based Cell Encapsulation. <i>Annals of Biomedical Engineering</i> , 2020 , 48, 1103-1111	4.7	10
5	A high-throughput approach to compare the biocompatibility of candidate bioink formulations. <i>Bioprinting</i> , 2020 , 17, e00068	7	6
4	Biosensors: Label-Free and Regenerative Electrochemical Microfluidic Biosensors for Continual Monitoring of Cell Secretomes (Adv. Sci. 5/2017). <i>Advanced Science</i> , 2017 , 4,	13.6	3
3	Label-free detection of protein molecules secreted from an organ-on-a-chip model for drug toxicity assays 2016 ,		2
2	Effects of Shear Stress on Production of FVIII and vWF in a Cell-Based Therapeutic for Hemophilia A. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 639070	5.8	2
1	3D scaffold-free microlivers with drug metabolic function generated by lineage-reprogrammed hepatocytes from human fibroblasts. <i>Biomaterials</i> , 2021 , 269, 120668	15.6	2