

Sasan Jalili-Firoozinezhad

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.

37
papers

2,165
citations

17
h-index

40
g-index

40
ext. papers

2,863
ext. citations

9.4
avg, IF

5
L-index

#	Paper	IF	Citations
37	Establishment of a Modular Anaerobic Human Intestine Chip. <i>Methods in Molecular Biology</i> , 2022 , 2373, 69-85	1.4	3
36	Temporal dynamics of intradermal cytokine response to tuberculin in Mycobacterium bovis BCG-vaccinated cattle using sampling microneedles. <i>Scientific Reports</i> , 2021 , 11, 7074	4.9	2
35	Modeling the Human Body on Microfluidic Chips. <i>Trends in Biotechnology</i> , 2021 , 39, 838-852	15.1	16
34	A design approach for layer-by-layer surface-mediated siRNA delivery. <i>Acta Biomaterialia</i> , 2021 , 135, 331-341	10.8	4
33	On-chip recapitulation of clinical bone marrow toxicities and patient-specific pathophysiology. <i>Nature Biomedical Engineering</i> , 2020 , 4, 394-406	19	97
32	Quantitative prediction of human pharmacokinetic responses to drugs via fluidically coupled vascularized organ chips. <i>Nature Biomedical Engineering</i> , 2020 , 4, 421-436	19	154
31	Robotic fluidic coupling and interrogation of multiple vascularized organ chips. <i>Nature Biomedical Engineering</i> , 2020 , 4, 407-420	19	150
30	Human Colon-on-a-Chip Enables Continuous In Vitro Analysis of Colon Mucus Layer Accumulation and Physiology. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020 , 9, 507-526	7.9	75
29	Microfluidic organ-on-a-chip models of human liver tissue. <i>Acta Biomaterialia</i> , 2020 , 116, 67-83	10.8	49
28	Chicken egg white: Hatching of a new old biomaterial. <i>Materials Today</i> , 2020 , 40, 193-214	21.8	15
27	A complex human gut microbiome cultured in an anaerobic intestine-on-a-chip. <i>Nature Biomedical Engineering</i> , 2019 , 3, 520-531	19	283
26	Species-specific enhancement of enterohemorrhagic E. coli pathogenesis mediated by microbiome metabolites. <i>Microbiome</i> , 2019 , 7, 43	16.6	64
25	Modeling radiation injury-induced cell death and countermeasure drug responses in a human Gut-on-a-Chip. <i>Cell Death and Disease</i> , 2018 , 9, 223	9.8	100
24	Development of a primary human Small Intestine-on-a-Chip using biopsy-derived organoids. <i>Scientific Reports</i> , 2018 , 8, 2871	4.9	356
23	Microfluidic Organ-on-a-Chip Models of Human Intestine. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018 , 5, 659-668	7.9	299
22	Effect of chemical immobilization of SDF-1 into muscle-derived scaffolds on angiogenesis and muscle progenitor recruitment. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e438-e450	4.4	14
21	Scalable Fabrication of Stretchable, Dual Channel, Microfluidic Organ Chips. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	18

20	Bimodal morphological analyses of native and engineered tissues. <i>Materials Science and Engineering C</i> , 2017 , 76, 543-550	8.3	5
19	Scaffold Composition Determines the Angiogenic Outcome of Cell-Based Vascular Endothelial Growth Factor Expression by Modulating Its Microenvironmental Distribution. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700600	10.1	8
18	Polycaprolactone-templated reduced-graphene oxide liquid crystal nanofibers towards biomedical applications. <i>RSC Advances</i> , 2017 , 7, 39628-39634	3.7	17
17	Fabrication and Characterization of Heparin/Collagen Sponge for in Vitro Differentiation of Wharton's Jelly-Derived Mesenchymal Stem Cells into Hepatocytes. <i>Hepatitis Monthly</i> , 2017 , 17,	1.8	3
16	Influence of decellularized pericardium matrix on the behavior of cardiac progenitors. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	1
15	Electrically conductive gold nanoparticle-chitosan thermosensitive hydrogels for cardiac tissue engineering. <i>Materials Science and Engineering C</i> , 2016 , 63, 131-41	8.3	177
14	Bioinspired Nanotechnologies for Skin Regeneration 2016 , 337-352		5
13	Nanotissue Engineering of Neural Cells 2015 , 265-283		2
12	Fabrication and characterization of ovalbumin films for wound dressing applications. <i>Materials Science and Engineering C</i> , 2015 , 48, 158-64	8.3	25
11	Facile fabrication of egg white macroporous sponges for tissue regeneration. <i>Advanced Healthcare Materials</i> , 2015 , 4, 2281-90	10.1	28
10	Fabrication and characterization of spongy denuded amniotic membrane based scaffold for tissue engineering. <i>Cell Journal</i> , 2015 , 16, 476-87	2.4	32
9	The behavior of cardiac progenitor cells on macroporous pericardium-derived scaffolds. <i>Biomaterials</i> , 2014 , 35, 970-82	15.6	82
8	New precipitation method for synthesis of nano-fluorapatite. <i>Materials Research Innovations</i> , 2013 , 17, 257-262	1.9	3
7	Synthesis and solubility of calcium fluoride/hydroxy-fluorapatite nanocrystals for dental applications. <i>Ceramics International</i> , 2011 , 37, 2007-2014	5.1	58
6	Nutritional deficiency recapitulates intestinal injury associated with environmental enteric dysfunction in patient-derived Organ Chips		1
5	Human bone marrow disorders recapitulated in vitro using organ chip technology		3
4	Complex human gut microbiome cultured in anaerobic human intestine chips		7
3	Species-specific enhancement of enterohemorrhagic E. Coli pathogenesis mediated by microbiome metabolites		

2 A robotic platform for fluidically-linked human body-on-chips experimentation

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1 Human colon-on-a-chip enables continuous in vitro analysis of colon mucus layer accumulation and physiology 1