

Jie Fan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3926116/jie-fan-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

658
citations

17
h-index

25
g-index

33
ext. papers

804
ext. citations

4.1
avg, IF

3.79
L-index

#	Paper	IF	Citations
28	Sustained release of VEGF by coaxial electrospun dextran/PLGA fibrous membranes in vascular tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011 , 22, 1811-27	3.5	58
27	Integrin β signaling promotes mammary tumor cell adhesion to brain microvascular endothelium by inducing ErbB2-mediated secretion of VEGF. <i>Annals of Biomedical Engineering</i> , 2011 , 39, 2223-2241	4.7	48
26	A mechanical model of the cornea considering the crimping morphology of collagen fibrils 2014 , 55, 2739-46		41
25	Sphingosine-1-phosphate Maintains Normal Vascular Permeability by Preserving Endothelial Surface Glycocalyx in Intact Microvessels. <i>Microcirculation</i> , 2016 , 23, 301-10	2.9	40
24	Intrinsic cellular chirality regulates left-right symmetry breaking during cardiac looping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11568-E11577	11.5	37
23	Adhesion of malignant mammary tumor cells MDA-MB-231 to microvessel wall increases microvascular permeability via degradation of endothelial surface glycocalyx. <i>Journal of Applied Physiology</i> , 2012 , 113, 1141-53	3.7	34
22	Biomechanical investigation of thoracolumbar spine in different postures during ejection using a combined finite element and multi-body approach. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2014 , 30, 1121-31	2.6	32
21	Quantification of Malignant Breast Cancer Cell MDA-MB-231 Transmigration Across Brain and Lung Microvascular Endothelium. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 2189-201	4.7	30
20	Cell chirality regulates intercellular junctions and endothelial permeability. <i>Science Advances</i> , 2018 , 4, eaat2111	14.3	30
19	Vascular endothelial growth factor enhances cancer cell adhesion to microvascular endothelium in vivo. <i>Experimental Physiology</i> , 2010 , 95, 369-79	2.4	28
18	Epithelial Cell Chirality Revealed by Three-Dimensional Spontaneous Rotation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12188-12193	11.5	26
17	Exocytosis of Endothelial Lysosome-Related Organelles Hair-Triggers a Patchy Loss of Glycocalyx at the Onset of Sepsis. <i>American Journal of Pathology</i> , 2016 , 186, 248-58	5.8	25
16	Prediction of globe rupture caused by primary blast: a finite element analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015 , 18, 1024-1029	2.1	23
15	Nanoformulations for dimethyl fumarate: Physicochemical characterization and in vitro/in vivo behavior. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 115, 285-296	5.7	19
14	Greater scaffold permeability promotes growth of osteoblastic cells in a perfused bioreactor. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, E210-8	4.4	18
13	Endothelial surface glycocalyx (ESG) components and ultra-structure revealed by stochastic optical reconstruction microscopy (STORM). <i>Biorheology</i> , 2019 , 56, 77-88	1.7	17
12	In Vivo Modulation of the Blood-Brain Barrier Permeability by Transcranial Direct Current Stimulation (tDCS). <i>Annals of Biomedical Engineering</i> , 2020 , 48, 1256-1270	4.7	16

11	Effects of hydroxyapatite/collagen composite on osteogenic differentiation of rat bone marrow derived mesenchymal stem cells. <i>Journal of Composite Materials</i> , 2014 , 48, 1971-1980	2.7	14
10	Reinforcing endothelial junctions prevents microvessel permeability increase and tumor cell adhesion in microvessels in vivo. <i>Scientific Reports</i> , 2015 , 5, 15697	4.9	12
9	Transcellular Model for Neutral and Charged Nanoparticles Across an In Vitro Blood-Brain Barrier. <i>Cardiovascular Engineering and Technology</i> , 2020 , 11, 607-620	2.2	8
8	Cell organelle-based analysis of cell chirality. <i>Communicative and Integrative Biology</i> , 2019 , 12, 78-81	1.7	7
7	Multiair Aniline Oligomers: Molecular Architecture, Self-Assembly, and Electrochromic Performance. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 7844-7852	3.8	6
6	Cell chirality in cardiovascular development and disease. <i>APL Bioengineering</i> , 2020 , 4, 031503	6.6	3
5	Effects of Alzheimer's Disease-Related Proteins on the Chirality of Brain Endothelial Cells. <i>Cellular and Molecular Bioengineering</i> , 2021 , 14, 231-240	3.9	3
4	Transcranial direct current stimulation transiently increases the blood-brain barrier solute permeability in vivo 2016 ,		2
3	A Finite Element Model Revealing Stress Distribution on Tissue Engineering Scaffold in Perfused Bioreactor. <i>IFMBE Proceedings</i> , 2013 , 1984-1986	0.2	1
2	Improved exfoliation of surface-functionalized graphene oxide by epoxy monomer and enhanced mechanical properties of epoxy nanocomposites. <i>Journal of Materials Science</i> , 1	4.3	1
1	Intercellular junctions and endothelial permeability are regulated by cell chirality. <i>FASEB Journal</i> , 2018 , 32, lb239	0.9	