

Jie Fan

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.

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	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
27	Multiarm Aniline Oligomers: Molecular Architecture, Self-Assembly, and Electrochromic Performance. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 7844-7852	3.8	6
26	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
25	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
24	Cell chirality in cardiovascular development and disease. <i>APL Bioengineering</i> , 2020 , 4, 031503	6.6	3
23	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
22	Cell organelle-based analysis of cell chirality. <i>Communicative and Integrative Biology</i> , 2019 , 12, 78-81	1.7	7
21	Intercellular junctions and endothelial permeability are regulated by cell chirality. <i>FASEB Journal</i> , 2018 , 32, lb239	0.9	
20	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
19	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
18	Cell chirality regulates intercellular junctions and endothelial permeability. <i>Science Advances</i> , 2018 , 4, eaat2111	14.3	30
17	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
16	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
15	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
14	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
13	Transcranial direct current stimulation transiently increases the blood-brain barrier solute permeability in vivo 2016 ,		2
12	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

11	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
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	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
8	A mechanical model of the cornea considering the crimping morphology of collagen fibrils 2014 , 55, 2739-46		41
7	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
6	A Finite Element Model Revealing Stress Distribution on Tissue Engineering Scaffold in Perfused Bioreactor. <i>IFMBE Proceedings</i> , 2013 , 1984-1986	0.2	1
5	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
4	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
3	Integrin α 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
2	Vascular endothelial growth factor enhances cancer cell adhesion to microvascular endothelium in vivo. <i>Experimental Physiology</i> , 2010 , 95, 369-79	2.4	28
1	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