

Oscar M J A Stassen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1189803/publications.pdf>

Version: 2024-02-01

20
papers

681
citations

759055

12
h-index

752573

20
g-index

20
all docs

20
docs citations

20
times ranked

1105
citing authors

#	ARTICLE	IF	CITATIONS
1	GFAP and vimentin deficiency alters gene expression in astrocytes and microglia in wild-type mice and changes the transcriptional response of reactive glia in mouse model for Alzheimer's disease. <i>Glia</i> , 2015, 63, 1036-1056.	2.5	134
2	A biomimetic microfluidic model to study signalling between endothelial and vascular smooth muscle cells under hemodynamic conditions. <i>Lab on A Chip</i> , 2018, 18, 1607-1620.	3.1	88
3	Vimentin regulates Notch signaling strength and arterial remodeling in response to hemodynamic stress. <i>Scientific Reports</i> , 2019, 9, 12415.	1.6	62
4	Microfabricated tuneable and transferable porous PDMS membranes for Organs-on-Chips. <i>Scientific Reports</i> , 2018, 8, 13524.	1.6	58
5	Mechanosensitivity of Jagged Notch signaling can induce a switch-type behavior in vascular homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3682-E3691.	3.3	51
6	GFAP isoforms control intermediate filament network dynamics, cell morphology, and focal adhesions. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 4101-4120.	2.4	46
7	Silencing GFAP isoforms in astrocytoma cells disturbs laminin-dependent motility and cell adhesion. <i>FASEB Journal</i> , 2014, 28, 2942-2954.	0.2	37
8	Notch in mechanotransduction – from molecular mechanosensitivity to tissue mechanostasis. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	37
9	Current Challenges in Translating Tissue-Engineered Heart Valves. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2017, 19, 71.	0.4	27
10	Shear stress induces expression, intracellular reorganization and enhanced Notch activation potential of Jagged1. <i>Integrative Biology (United Kingdom)</i> , 2018, 10, 719-726.	0.6	23
11	GFAP ^{hi} /GFAP [±] ratio directs astrocytoma gene expression towards a more malignant profile. <i>Oncotarget</i> , 2017, 8, 88104-88121.	0.8	19
12	GFAP alternative splicing regulates glioma cell-ECM interaction in a DUSP4-dependent manner. <i>FASEB Journal</i> , 2019, 33, 12941-12959.	0.2	15
13	Spatial patterning of the Notch ligand Dll4 controls endothelial sprouting in vitro. <i>Scientific Reports</i> , 2018, 8, 6392.	1.6	14
14	Computational Characterization of the Dish-In-A-Dish, A High Yield Culture Platform for Endothelial Shear Stress Studies on the Orbital Shaker. <i>Micromachines</i> , 2020, 11, 552.	1.4	13
15	Lateral induction limits the impact of cell connectivity on Notch signaling in arterial walls. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3323.	1.0	11
16	Enhanced transduction of CAR-negative cells by protein IX-gene deleted adenovirus 5 vectors. <i>Virology</i> , 2011, 410, 192-200.	1.1	10
17	A Supramolecular Platform for the Introduction of Fc-Fusion Bioactive Proteins on Biomaterial Surfaces. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2044-2054.	2.0	10
18	Engineered patterns of Notch ligands Jag1 and Dll4 elicit differential spatial control of endothelial sprouting. <i>IScience</i> , 2022, 25, 104306.	1.9	10

#	ARTICLE	IF	CITATIONS
19	Influence of the Assembly State on the Functionality of a Supramolecular Jagged1-Mimicking Peptide Additive. ACS Omega, 2019, 4, 8178-8187.	1.6	9
20	The Mechanical Contribution of Vimentin to Cellular Stress Generation. Journal of Biomechanical Engineering, 2018, 140, .	0.6	7