

Nicolas Baeyens

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,207
citations

623188

14
h-index

752256

20
g-index

22
all docs

22
docs citations

22
times ranked

3871
citing authors

#	ARTICLE	IF	CITATIONS
1	Endothelial fluid shear stress sensing in vascular health and disease. <i>Journal of Clinical Investigation</i> , 2016, 126, 821-828.	3.9	405
2	Endothelial-to-mesenchymal transition drives atherosclerosis progression. <i>Journal of Clinical Investigation</i> , 2015, 125, 4514-4528.	3.9	394
3	Integrins in mechanotransduction. <i>Current Opinion in Cell Biology</i> , 2013, 25, 613-618.	2.6	270
4	Intramembrane binding of VE-cadherin to VEGFR2 and VEGFR3 assembles the endothelial mechanosensory complex. <i>Journal of Cell Biology</i> , 2015, 208, 975-986.	2.3	234
5	Vascular remodeling is governed by a VEGFR3-dependent fluid shear stress set point. <i>ELife</i> , 2015, 4, .	2.8	177
6	Defective fluid shear stress mechanotransduction mediates hereditary hemorrhagic telangiectasia. <i>Journal of Cell Biology</i> , 2016, 214, 807-816.	2.3	143
7	<scp>KLF</scp> 4 is a key determinant in the development and progression of cerebral cavernous malformations. <i>EMBO Molecular Medicine</i> , 2016, 8, 6-24.	3.3	141
8	Syndecan 4 is required for endothelial alignment in flow and atheroprotective signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17308-17313.	3.3	133
9	Biomechanics of vascular mechanosensation and remodeling. <i>Molecular Biology of the Cell</i> , 2016, 27, 7-11.	0.9	111
10	MicroRNA-dependent regulation of biomechanical genes establishes tissue stiffness homeostasis. <i>Nature Cell Biology</i> , 2019, 21, 348-358.	4.6	44
11	Syndecan-4 controls lymphatic vasculature remodeling during embryonic development. <i>Development (Cambridge)</i> , 2016, 143, 4441-4451.	1.2	33
12	Activation of Smad2/3 signaling by low fluid shear stress mediates artery inward remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	32
13	Fluid shear stress sensing in vascular homeostasis and remodeling: Towards the development of innovative pharmacological approaches to treat vascular dysfunction. <i>Biochemical Pharmacology</i> , 2018, 158, 185-191.	2.0	31
14	Identification and functional implication of a Rho kinase-dependent moesin-EBP50 interaction in noradrenaline-stimulated artery. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C1530-C1540.	2.1	14
15	EBP50 is involved in the regulation of vascular smooth muscle cell migration and cytokinesis. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 2574-2584.	1.2	14
16	Redundant control of migration and adhesion by ERM proteins in vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 579-585.	1.0	13
17	Rho kinase regulation of vasopressin-induced calcium entry in vascular smooth muscle cell: Comparison between rat isolated aorta and cultured aortic cells. <i>Cell Calcium</i> , 2012, 52, 413-421.	1.1	11
18	Extracellular calcium modulates the inhibitory effect of 4-aminopyridine on Kv current in vascular smooth muscle cells. <i>European Journal of Pharmacology</i> , 2014, 723, 116-123.	1.7	2

#	ARTICLE	IF	CITATIONS
19	Intramembrane binding of VE-cadherin to VEGFR2 and VEGFR3 assembles the endothelial mechanosensory complex. <i>Journal of General Physiology</i> , 2015, 145, 1454OIA13.	0.9	1
20	Syndecan 4 controls lymphatic vasculature remodeling during mouse embryonic development. <i>Journal of Cell Science</i> , 2016, 129, e1.1-e1.1.	1.2	1
21	O392 : AMPK $\hat{=}$ 1 regulates cell adhesion and migration of human cardiac fibroblasts via cytoskeletal remodelling pathway. <i>Archives of Cardiovascular Diseases Supplements</i> , 2015, 7, 192.	0.0	0