Nicolas Baeyens

List of Publications by Year
in descending order

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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	Activation of Smad2/3 signaling by low fluid shear stress mediates artery inward remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	32
2	MicroRNA-dependent regulation of biomechanical genes establishes tissue stiffness homeostasis. Nature Cell Biology, 2019, 21, 348-358.	4.6	44
3	Fluid shear stress sensing in vascular homeostasis and remodeling: Towards the development of innovative pharmacological approaches to treat vascular dysfunction. Biochemical Pharmacology, 2018, 158, 185-191.	2.0	31
4	<scp>KLF</scp> 4 is a key determinant in the development and progression of cerebral cavernous malformations. EMBO Molecular Medicine, 2016, 8, 6-24.	3.3	141
5	Defective fluid shear stress mechanotransduction mediates hereditary hemorrhagic telangiectasia. Journal of Cell Biology, 2016, 214, 807-816.	2.3	143
6	Syndecan-4 controls lymphatic vasculature remodeling during embryonic development. Development (Cambridge), 2016, 143, 4441-4451.	1.2	33
7	Biomechanics of vascular mechanosensation and remodeling. Molecular Biology of the Cell, 2016, 27, 7-11.	0.9	111
8	Endothelial fluid shear stress sensing in vascular health and disease. Journal of Clinical Investigation, 2016, 126, 821-828.	3.9	405
9	Syndecan 4 controls lymphatic vasculature remodeling during mouse embryonic development. Journal of Cell Science, 2016, 129, e1.1-e1.1.	1.2	1
10	Vascular remodeling is governed by a VEGFR3-dependent fluid shear stress set point. ELife, 2015, 4, .	2.8	177
11	Intramembrane binding of VE-cadherin to VEGFR2 and VEGFR3 assembles the endothelial mechanosensory complex. Journal of Cell Biology, 2015, 208, 975-986.	2.3	234
12	0392 : AMPKÎ±1 regulates cell adhesion and migration of human cardiac fibroblasts via cytoskeletal remodelling pathway. Archives of Cardiovascular Diseases Supplements, 2015, 7, 192.	0.0	0
13	Intramembrane binding of VE-cadherin to VEGFR2 and VEGFR3 assembles the endothelial mechanosensory complex. Journal of General Physiology, 2015, 145, 1454OIA13.	0.9	1
14	Endothelial-to-mesenchymal transition drives atherosclerosis progression. Journal of Clinical Investigation, 2015, 125, 4514-4528.	3.9	394
15	Syndecan 4 is required for endothelial alignment in flow and atheroprotective signaling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17308-17313.	3.3	133
16	Extracellular calcium modulates the inhibitory effect of 4-aminopyridine on Kv current in vascular smooth muscle cells. European Journal of Pharmacology, 2014, 723, 116-123.	1.7	2
17	Redundant control of migration and adhesion by ERM proteins in vascular smooth muscle cells. Biochemical and Biophysical Research Communications, 2013, 441, 579-585.	1.0	13
18	Integrins in mechanotransduction. Current Opinion in Cell Biology, 2013, 25, 613-618.	2.6	270

#	Article	IF	Citations
19	Rho kinase regulation of vasopressin-induced calcium entry in vascular smooth muscle cell: Comparison between rat isolated aorta and cultured aortic cells. Cell Calcium, 2012, 52, 413-421.	1.1	11
20	EBP50 is involved in the regulation of vascular smooth muscle cell migration and cytokinesis. Journal of Cellular Biochemistry, 2011, 112, 2574-2584.	1.2	14
21	Identification and functional implication of a Rho kinase-dependent moesin-EBP50 interaction in noradrenaline-stimulated artery. American Journal of Physiology - Cell Physiology, 2010, 299, C1530-C1540.	2.1	14