Sophie Astrof

List of Publications by Year
in descending order

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21 papers	990 citations	567281 15 h-index	713466 21 g-index
25 all docs	25 docs citations	25 times ranked	1367 citing authors

#	Article	IF	Citations
1	Fibronectins in vascular morphogenesis. Angiogenesis, 2009, 12, 165-175.	7.2	222
2	Multiple cardiovascular defects caused by the absence of alternatively spliced segments of fibronectin. Developmental Biology, 2007, 311, 11-24.	2.0	126
3	Direct Test of Potential Roles of EIIIA and EIIIB Alternatively Spliced Segments of Fibronectin in Physiological and Tumor Angiogenesis. Molecular and Cellular Biology, 2004, 24, 8662-8670.	2.3	96
4	Fibronectin and integrin alpha 5 play requisite roles in cardiac morphogenesis. Developmental Biology, 2013, 381, 73-82.	2.0	57
5	A system for Cre-regulated RNA interference in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13895-13900.	7.1	56
6	Decreased Plasma Fibronectin Leads to Delayed Thrombus Growth in Injured Arterioles. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1391-1396.	2.4	55
7	Fibronectin and integrin alpha 5 play essential roles in the development of the cardiac neural crest. Mechanisms of Development, 2010, 127, 472-484.	1.7	53
8	Fibronectin signals through integrin Î±5Î²1 to regulate cardiovascular development in a cell type-specific manner. Developmental Biology, 2015, 407, 195-210.	2.0	53
9	Essential roles of fibronectin in the development of the leftâ€“right embryonic body plan. Developmental Biology, 2011, 354, 208-220.	2.0	42
10	Endothelium in the pharyngeal arches 3, 4 and 6 is derived from the second heart field. Developmental Biology, 2017, 421, 108-117.	2.0	39
11	Neural crest cell-autonomous roles of fibronectin in cardiovascular development. Development (Cambridge), 2015, 143, 88-100.	2.5	36
12	PI3K/Akt1 signalling specifies foregut precursors by generating regionalized extra-cellular matrix. ELife, 2013, 2, e00806.	6.0	32
13	Mesodermal expression of integrin Î±5Î²1 regulates neural crest development and cardiovascular morphogenesis. Developmental Biology, 2014, 395, 232-244.	2.0	30
14	Heart development in fibronectin-null mice is governed by a genetic modifier on chromosome four. Mechanisms of Development, 2007, 124, 551-558.	1.7	25
15	Shape and position of the node and notochord along the bilateral plane of symmetry are regulated by cellâ€“extracellular matrix interactions. Biology Open, 2014, 3, 583-590.	1.2	20
16	Cell-Extracellular Matrix Interactions Play Multiple Essential Roles in Aortic Arch Development. Circulation Research, 2021, 128, e27-e44.	4.5	15
17	Visualization and Analysis of Pharyngeal Arch Arteries using Whole-mount Immunohistochemistry and 3D Reconstruction. Journal of Visualized Experiments, 2020, , .	0.3	8
18	A new mechanism of fibronectin fibril assembly revealed by live imaging and super-resolution microscopy. Journal of Cell Science, 2022, 135, .	2.0	8

#	Article	IF	Citations
19	Interactions Between Neural Crest-Derived Cells and Extracellular Microenvironment During Cardiovascular Development. Biology of Extracellular Matrix, 2013, , 105-131.	0.3	6
20	Integration of vascular progenitors into functional blood vessels represents a distinct mechanism of vascular growth. Developmental Cell, 2022, 57, 767-782.e6.	7.0	5
21	Isolation of Mouse Cardiac Neural Crest Cells and Their Differentiation into Smooth Muscle Cells. Bio-protocol, 2017, 7, .	0.4	4