

# Sophie Astrof

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Integration of vascular progenitors into functional blood vessels represents a distinct mechanism of vascular growth. <i>Developmental Cell</i> , 2022, 57, 767-782.e6.	7.0	5
2	A new mechanism of fibronectin fibril assembly revealed by live imaging and super-resolution microscopy. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	8
3	Cell-Extracellular Matrix Interactions Play Multiple Essential Roles in Aortic Arch Development. <i>Circulation Research</i> , 2021, 128, e27-e44.	4.5	15
4	Visualization and Analysis of Pharyngeal Arch Arteries using Whole-mount Immunohistochemistry and 3D Reconstruction. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	8
5	Endothelium in the pharyngeal arches 3, 4 and 6 is derived from the second heart field. <i>Developmental Biology</i> , 2017, 421, 108-117.	2.0	39
6	Isolation of Mouse Cardiac Neural Crest Cells and Their Differentiation into Smooth Muscle Cells. <i>Bio-protocol</i> , 2017, 7, .	0.4	4
7	Neural crest cell-autonomous roles of fibronectin in cardiovascular development. <i>Development (Cambridge)</i> , 2015, 143, 88-100.	2.5	36
8	Fibronectin signals through integrin $\alpha 5 \beta 1$ to regulate cardiovascular development in a cell type-specific manner. <i>Developmental Biology</i> , 2015, 407, 195-210.	2.0	53
9	Shape and position of the node and notochord along the bilateral plane of symmetry are regulated by cell-extracellular matrix interactions. <i>Biology Open</i> , 2014, 3, 583-590.	1.2	20
10	Mesodermal expression of integrin $\alpha 5 \beta 1$ regulates neural crest development and cardiovascular morphogenesis. <i>Developmental Biology</i> , 2014, 395, 232-244.	2.0	30
11	Fibronectin and integrin alpha 5 play requisite roles in cardiac morphogenesis. <i>Developmental Biology</i> , 2013, 381, 73-82.	2.0	57
12	Interactions Between Neural Crest-Derived Cells and Extracellular Microenvironment During Cardiovascular Development. <i>Biology of Extracellular Matrix</i> , 2013, , 105-131.	0.3	6
13	PI3K/Akt1 signalling specifies foregut precursors by generating regionalized extra-cellular matrix. <i>ELife</i> , 2013, 2, e00806.	6.0	32
14	Essential roles of fibronectin in the development of the left-right embryonic body plan. <i>Developmental Biology</i> , 2011, 354, 208-220.	2.0	42
15	Fibronectin and integrin alpha 5 play essential roles in the development of the cardiac neural crest. <i>Mechanisms of Development</i> , 2010, 127, 472-484.	1.7	53
16	Fibronectins in vascular morphogenesis. <i>Angiogenesis</i> , 2009, 12, 165-175.	7.2	222
17	A system for Cre-regulated RNA interference <i>in vivo</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13895-13900.	7.1	56
18	Multiple cardiovascular defects caused by the absence of alternatively spliced segments of fibronectin. <i>Developmental Biology</i> , 2007, 311, 11-24.	2.0	126

#	ARTICLE	IF	CITATIONS
19	Heart development in fibronectin-null mice is governed by a genetic modifier on chromosome four. <i>Mechanisms of Development</i> , 2007, 124, 551-558.	1.7	25
20	Decreased Plasma Fibronectin Leads to Delayed Thrombus Growth in Injured Arterioles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 1391-1396.	2.4	55
21	Direct Test of Potential Roles of EIIIA and EIIBB Alternatively Spliced Segments of Fibronectin in Physiological and Tumor Angiogenesis. <i>Molecular and Cellular Biology</i> , 2004, 24, 8662-8670.	2.3	96