

Shankar Srinivas

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

5,788
citations

279487

23
h-index

315357

38
g-index

53
all docs

53
docs citations

53
times ranked

10239
citing authors

#	ARTICLE	IF	CITATIONS
1	Cre reporter strains produced by targeted insertion of EYFP and ECFP into the ROSA26 locus. BMC Developmental Biology, 2001, 1, 4.	2.1	2,753
2	A single-cell molecular map of mouse gastrulation and early organogenesis. Nature, 2019, 566, 490-495.	13.7	658
3	Vitamin A controls epithelial/mesenchymal interactions through Ret expression. Nature Genetics, 2001, 27, 74-78.	9.4	240
4	Expression of green fluorescent protein in the ureteric bud of transgenic mice: A new tool for the analysis of ureteric bud morphogenesis. Genesis, 1999, 24, 241-251.	3.1	208
5	Single-cell transcriptomic characterization of a gastrulating human embryo. Nature, 2021, 600, 285-289.	13.7	202
6	Use of the viral 2A peptide for bicistronic expression in transgenic mice. BMC Biology, 2008, 6, 40.	1.7	196
7	Active cell migration drives the unilateral movements of the anterior visceral endoderm. Development (Cambridge), 2004, 131, 1157-1164.	1.2	159
8	Integration of spatial and single-cell transcriptomic data elucidates mouse organogenesis. Nature Biotechnology, 2022, 40, 74-85.	9.4	152
9	Induction and migration of the anterior visceral endoderm is regulated by the extra-embryonic ectoderm. Development (Cambridge), 2005, 132, 2513-2520.	1.2	131
10	Defining murine organogenesis at single-cell resolution reveals a role for the leukotriene pathway in regulating blood progenitor formation. Nature Cell Biology, 2018, 20, 127-134.	4.6	112
11	Limited predictive value of blastomere angle of division in trophectoderm and inner cell mass specification. Development (Cambridge), 2014, 141, 2279-2288.	1.2	89
12	Characterization of a common progenitor pool of the epicardium and myocardium. Science, 2021, 371, .	6.0	88
13	Calcium handling precedes cardiac differentiation to initiate the first heartbeat. ELife, 2016, 5, .	2.8	81
14	Generation and analysis of a mouse line harboring GFP in the Eomes/Tbr2 locus. Genesis, 2009, 47, 775-781.	0.8	63
15	Vps34 PI 3-kinase inactivation enhances insulin sensitivity through reprogramming of mitochondrial metabolism. Nature Communications, 2017, 8, 1804.	5.8	59
16	Mechanics of mouse blastocyst hatching revealed by a hydrogel-based microdeformation assay. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10375-10380.	3.3	59
17	Oncogenic PIK3CA induces centrosome amplification and tolerance to genome doubling. Nature Communications, 2017, 8, 1773.	5.8	54
18	Heading forwards: anterior visceral endoderm migration in patterning the mouse embryo. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130546.	1.8	46

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19	Nodal Dependent Differential Localisation of Dishevelled-2 Demarcates Regions of Differing Cell Behaviour in the Visceral Endoderm. PLoS Biology, 2011, 9, e1001019.	2.6	46
20	Coordination of cell proliferation and anterior-posterior axis establishment in the mouse embryo. Development (Cambridge), 2011, 138, 1521-1530.	1.2	44
21	Bi-modal strategy of gastrulation in reptiles. Developmental Dynamics, 2015, 244, 1144-1157.	0.8	36
22	The anterior visceral endoderm "turning heads. Genesis, 2006, 44, 565-572.	0.8	35
23	ASPP2 Links the Apical Lateral Polarity Complex to the Regulation of YAP Activity in Epithelial Cells. PLoS ONE, 2014, 9, e111384.	1.1	34
24	Cell competition acts as a purifying selection to eliminate cells with mitochondrial defects during early mouse development. Nature Metabolism, 2021, 3, 1091-1108.	5.1	33
25	The Head's Tale: Anterior-Posterior Axis Formation in the Mouse Embryo. Current Topics in Developmental Biology, 2018, 128, 365-390.	1.0	28
26	Towards understanding the roles of position and geometry on cell fate decisions during preimplantation development. Seminars in Cell and Developmental Biology, 2015, 47-48, 74-79.	2.3	20
27	Imaging Kidney Development. Cold Spring Harbor Protocols, 2011, 2011, pdb.top109-pdb.top109.	0.2	13
28	Peristaltic Elastic Instability in an Inflated Cylindrical Channel. Physical Review Letters, 2019, 122, 068003.	2.9	12
29	The First Heartbeat "Origin of Cardiac Contractile Activity. Cold Spring Harbor Perspectives in Biology, 2020, 12, a037135.	2.3	12
30	Establishment of a relationship between blastomere geometry and YAP localisation during compaction. Development (Cambridge), 2020, 147, .	1.2	12
31	Dynamic enlargement and mobilization of lipid droplets in pluripotent cells coordinate morphogenesis during mouse peri-implantation development. Nature Communications, 2022, 13, .	5.8	11
32	Asymmetry in the frequency and position of mitosis in the mouse embryo epiblast at gastrulation. EMBO Reports, 2020, 21, e50944.	2.0	10
33	ASPP2 maintains the integrity of mechanically stressed pseudostratified epithelia during morphogenesis. Nature Communications, 2022, 13, 941.	5.8	9
34	Recent advances in understanding cell types during human gastrulation. Seminars in Cell and Developmental Biology, 2022, 131, 35-43.	2.3	7
35	Detecting cardiac contractile activity in the early mouse embryo using multiple modalities. Frontiers in Physiology, 2014, 5, 508.	1.3	6
36	Epithelial dynamics during early mouse development. Current Opinion in Genetics and Development, 2022, 72, 110-117.	1.5	4

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37	Advances in live imaging early mouse development: exploring the researcher's interdisciplinary toolkit. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	3
38	Early embryogenesis. , 2013, , 110-117.		2
39	Spatial protein analysis in developing tissues: a sampling-based image processing approach. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190560.	1.8	2
40	Expression of green fluorescent protein in the ureteric bud of transgenic mice: A new tool for the analysis of ureteric bud morphogenesis. , 1999, 24, 241.		1
41	Adaptive multiphoton and harmonic generation microscopy for developmental biology. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
42	A Tale of Division and Polarization in the Mammalian Embryo. <i>Developmental Cell</i> , 2017, 40, 215-216.	3.1	0
43	Hippo Enters the Competition. <i>Developmental Cell</i> , 2019, 50, 127-128.	3.1	0
44	Characterization of embryonic surface ectoderm cell protrusions. <i>Developmental Dynamics</i> , 2021, 250, 249-262.	0.8	0