

Ivan Bedzhov

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

918
citations

758635

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752256

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21
all docs

21
docs citations

21
times ranked

1183
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Organizing Properties of Mouse Pluripotent Cells Initiate Morphogenesis upon Implantation. <i>Cell</i> , 2014, 156, 1032-1044.	13.5	362
2	In vitro culture of mouse blastocysts beyond the implantation stages. <i>Nature Protocols</i> , 2014, 9, 2732-2739.	5.5	151
3	Developmental plasticity, cell fate specification and morphogenesis in the early mouse embryo. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130538.	1.8	98
4	Igf1r Signaling Is Indispensable for Preimplantation Development and Is Activated via a Novel Function of E-cadherin. <i>PLoS Genetics</i> , 2012, 8, e1002609.	1.5	48
5	Wnt/Beta-catenin/Esrrb signalling controls the tissue-scale reorganization and maintenance of the pluripotent lineage during murine embryonic diapause. <i>Nature Communications</i> , 2020, 11, 5499.	5.8	35
6	Development of the anterior-posterior axis is a self-organizing process in the absence of maternal cues in the mouse embryo. <i>Cell Research</i> , 2015, 25, 1368-1371.	5.7	31
7	3D biomimetic platform reveals the first interactions of the embryo and the maternal blood vessels. <i>Developmental Cell</i> , 2021, 56, 3276-3287.e8.	3.1	27
8	Deciphering epiblast lumenogenesis reveals proamniotic cavity control of embryo growth and patterning. <i>Science Advances</i> , 2021, 7, .	4.7	26
9	Adhesion, but not a specific cadherin code, is indispensable for ES cell and induced pluripotency. <i>Stem Cell Research</i> , 2013, 11, 1250-1263.	0.3	25
10	A <i>Cdh1^{HA}</i> knock-in allele rescues the <i>Cdh1^Δ</i> phenotype but shows essential Cdh1 function during placentation. <i>Developmental Dynamics</i> , 2010, 239, 2330-2344.	0.8	23
11	Cell death and morphogenesis during early mouse development: Are they interconnected?. <i>BioEssays</i> , 2015, 37, 372-378.	1.2	17
12	A balanced Oct4 interactome is crucial for maintaining pluripotency. <i>Science Advances</i> , 2022, 8, eabe4375.	4.7	17
13	Test-tube embryos - mouse and human development in vitro to blastocyst stage and beyond. <i>International Journal of Developmental Biology</i> , 2019, 63, 203-215.	0.3	15
14	Applying the Proximity Ligation Assay (PLA) to Mouse Preimplantation Embryos for Identifying Protein-Protein Interactions In Situ. <i>Methods in Molecular Biology</i> , 2015, 1233, 57-64.	0.4	9
15	Lima1 mediates the pluripotency control of membrane dynamics and cellular metabolism. <i>Nature Communications</i> , 2022, 13, 610.	5.8	8
16	Mechanisms of formation and functions of the early embryonic cavities. <i>Seminars in Cell and Developmental Biology</i> , 2022, 131, 110-116.	2.3	7
17	Isolation and Culture of Periimplantation and Early Postimplantation Mouse Embryos. <i>Methods in Molecular Biology</i> , 2019, 2006, 373-382.	0.4	6
18	Placental gene editing via trophectoderm-specific Tat-Cre/loxP recombination. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	6

#	ARTICLE	IF	CITATIONS
19	Ronin governs the metabolic capacity of the embryonic lineage for postimplantation development. EMBO Reports, 2021, 22, e53048.	2.0	4
20	In Vitro Culture of Mouse Blastocysts to the Egg Cylinder Stage via Mural Trophectoderm Excision. Methods in Molecular Biology, 2021, 2214, 31-40.	0.4	1