

Petr Solc

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

843
citations

516561

16
h-index

752573

20
g-index

21
all docs

21
docs citations

21
times ranked

914
citing authors

#	ARTICLE	IF	CITATIONS
1	Prophase I arrest and progression to metaphase I in mouse oocytes: comparison of resumption of meiosis and recovery from G2-arrest in somatic cells. <i>Molecular Human Reproduction</i> , 2010, 16, 654-664.	1.3	116
2	Aurora kinase A controls meiosis I progression in mouse oocytes. <i>Cell Cycle</i> , 2008, 7, 2368-2376.	1.3	99
3	PKB/AKT is involved in resumption of meiosis in mouse oocytes. <i>Biology of the Cell</i> , 2006, 98, 111-123.	0.7	89
4	Multiple Requirements of PLK1 during Mouse Oocyte Maturation. <i>PLoS ONE</i> , 2015, 10, e0116783.	1.1	75
5	CDC25A phosphatase controls meiosis I progression in mouse oocytes. <i>Developmental Biology</i> , 2008, 317, 260-269.	0.9	66
6	Genetic Interactions between the Aurora Kinases Reveal New Requirements for AURKB and AURKC during Oocyte Meiosis. <i>Current Biology</i> , 2018, 28, 3458-3468.e5.	1.8	49
7	Haspin kinase regulates microtubule-organizing center clustering and stability through Aurora kinase C in mouse oocytes. <i>Journal of Cell Science</i> , 2016, 129, 3648-3660.	1.2	46
8	DNA damage response during mouse oocyte maturation. <i>Cell Cycle</i> , 2016, 15, 546-558.	1.3	41
9	AKT (protein kinase B) is implicated in meiotic maturation of porcine oocytes. <i>Reproduction</i> , 2009, 138, 645-654.	1.1	39
10	Aurora Kinase A Drives MTOC Biogenesis but Does Not Trigger Resumption of Meiosis in Mouse Oocytes Matured In Vivo1. <i>Biology of Reproduction</i> , 2012, 87, 85.	1.2	36
11	Aurora kinase A is essential for meiosis in mouse oocytes. <i>PLoS Genetics</i> , 2021, 17, e1009327.	1.5	35
12	Ran <sc>GTP</sc> and importin β regulate meiosis I spindle assembly and function in mouse oocytes. <i>EMBO Journal</i> , 2020, 39, e101689.	3.5	31
13	The most abundant maternal lncRNA Sirena1 acts post-transcriptionally and impacts mitochondrial distribution. <i>Nucleic Acids Research</i> , 2020, 48, 3211-3227.	6.5	25
14	Polo-like kinase 1 is essential for the first mitotic division in the mouse embryo. <i>Molecular Reproduction and Development</i> , 2013, 80, 522-534.	1.0	22
15	An oocyte-specific ELAVL2 isoform is a translational repressor ablated from meiotically competent antral oocytes. <i>Cell Cycle</i> , 2014, 13, 1187-1200.	1.3	20
16	The Role of RanGTP Gradient in Vertebrate Oocyte Maturation. <i>Results and Problems in Cell Differentiation</i> , 2011, 53, 235-267.	0.2	18
17	Aurora kinase A is essential for correct chromosome segregation in mouse zygote. <i>Zygote</i> , 2016, 24, 326-337.	0.5	15
18	PLK1 regulates spindle formation kinetics and APC/C activation in mouse zygote. <i>Zygote</i> , 2016, 24, 338-345.	0.5	15

#	ARTICLE	IF	CITATIONS
19	CDC25B is required for the metaphase I-metaphase II transition in mouse oocytes. Journal of Cell Science, 2022, 135, .	1.2	3
20	Triple-Color Live Imaging of Mouse Oocytes. Methods in Molecular Biology, 2018, 1818, 89-97.	0.4	1