Deepak Adhikari

List of Publications by Year
in descending order

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32	3,063	331259	454577
papers	citations	21 h-index	30 g-index

32	32	32	2810
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oocyte mitochondriaâ€"key regulators of oocyte function and potential therapeutic targets for improving fertility. Biology of Reproduction, 2022, 106, 366-377.	1.2	27
2	Depletion of oocyte dynamin-related protein 1 shows maternal-effect abnormalities in embryonic development. Science Advances, 2022, 8, .	4.7	9
3	HENMT1 is involved in the maintenance of normal female fertility in the mouse. Molecular Human Reproduction, 2021, 27, .	1.3	2
4	Mitochondria-targeted therapeutics, MitoQ and BGP-15, reverse aging-associated meiotic spindle defects in mouse and human oocytes. Human Reproduction, 2021, 36, 771-784.	0.4	54
5	Insights into Gonadal Sex Differentiation Provided by Single-Cell Transcriptomics in the Chicken Embryo. Cell Reports, 2020, 31, 107491.	2.9	62
6	The spatio-temporal dynamics of mitochondrial membrane potential during oocyte maturation. Molecular Human Reproduction, 2019, 25, 695-705.	1.3	66
7	Oocyte Meiotic Resumption Upon Puberty. , 2018, , 167-171.		0
8	MASTL is essential for anaphase entry of proliferating primordial germ cells and establishment of female germ cells in mice. Cell Discovery, 2017, 3, 16052.	3.1	5
9	Cyclin A2 modulates kinetochoreâ€"microtubule attachment in meiosis II. Journal of Cell Biology, 2017, 216, 3133-3143.	2.3	30
10	Cdk2 catalytic activity is essential for meiotic cell division in vivo. Biochemical Journal, 2016, 473, 2783-2798.	1.7	28
11	Inhibitory phosphorylation of Cdk1 mediates prolonged prophase I arrest in female germ cells and is essential for female reproductive lifespan. Cell Research, 2016, 26, 1212-1225.	5.7	41
12	Animal Models for Studying the In Vivo Functions of Cell Cycle CDKs. Methods in Molecular Biology, 2016, 1336, 155-166.	0.4	13
13	Mastl/PP2A regulate Cdk1 in ooycte maturation. Oncotarget, 2015, 6, 18734-18735.	0.8	2
14	Mastl is required for timely activation of APC/C in meiosis I and Cdk1 reactivation in meiosis II. Journal of Cell Biology, 2014, 206, 843-853.	2.3	31
15	The regulation of maturation promoting factor during prophase I arrest and meiotic entry in mammalian oocytes. Molecular and Cellular Endocrinology, 2014, 382, 480-487.	1.6	113
16	mTORC1 Signaling in Oocytes Is Dispensable for the Survival of Primordial Follicles and for Female Fertility. PLoS ONE, 2014, 9, e110491.	1.1	40
17	Combating ovarian aging depends on the use of existing ovarian follicles, not on putative oogonial stem cells. Reproduction, 2013, 146, R229-R233.	1.1	14
18	Pharmacological Inhibition of mTORC1 Prevents Over-Activation of the Primordial Follicle Pool in Response to Elevated PI3K Signaling. PLoS ONE, 2013, 8, e53810.	1.1	85

#	Article	IF	Citations
19	In Vitro Activation of Dormant Follicles for Fertility Preservation. Advances in Experimental Medicine and Biology, 2013, 761, 29-42.	0.8	3
20	Regulation of Quiescence and Activation of Oocyte Growth in Primordial Follicles. , 2013, , 49-62.		0
21	Cdk1, but not Cdk2, is the sole Cdk that is essential and sufficient to drive resumption of meiosis in mouse oocytes. Human Molecular Genetics, 2012, 21, 2476-2484.	1.4	119
22	Cdk1 drives meiosis and mitosis through two different mechanisms. Cell Cycle, 2012, 11, 2763-2764.	1.3	8
23	Experimental evidence showing that no mitotically active female germline progenitors exist in postnatal mouse ovaries. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12580-12585.	3.3	190
24	The Safe Use of a PTEN Inhibitor for the Activation of Dormant Mouse Primordial Follicles and Generation of Fertilizable Eggs. PLoS ONE, 2012, 7, e39034.	1.1	93
25	Tsc/mTORC1 signaling in oocytes governs the quiescence and activation of primordial follicles. Human Molecular Genetics, 2010, 19, 397-410.	1.4	289
26	mTOR signaling in the control of activation of primordial follicles. Cell Cycle, 2010, 9, 1673-1674.	1.3	83
27	Genetically modified mouse models for premature ovarian failure (POF). Molecular and Cellular Endocrinology, 2010, 315, 1-10.	1.6	69
28	Oocyte-Specific Deletion of Pten in Mice Reveals a Stage-Specific Function of PTEN/PI3K Signaling in Oocytes in Controlling Follicular Activation. PLoS ONE, 2009, 4, e6186.	1.1	112
29	PDK1 signaling in oocytes controls reproductive aging and lifespan by manipulating the survival of primordial follicles. Human Molecular Genetics, 2009, 18, 2813-2824.	1.4	219
30	Molecular Mechanisms Underlying the Activation of Mammalian Primordial Follicles. Endocrine Reviews, 2009, 30, 438-464.	8.9	351
31	Disruption of Tsc2 in oocytes leads to overactivation of the entire pool of primordial follicles. Molecular Human Reproduction, 2009, 15, 765-770.	1.3	190
32	Oocyte-Specific Deletion of Pten Causes Premature Activation of the Primordial Follicle Pool. Science, 2008, 319, 611-613.	6.0	715