

# Takuya Wakai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9434179/publications.pdf>

Version: 2024-02-01

11  
papers

410  
citations

933447

10  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial dynamics controlled by mitofusins define organelle positioning and movement during mouse oocyte maturation. <i>Molecular Human Reproduction</i> , 2014, 20, 1090-1100.	2.8	67
2	Regulation of endoplasmic reticulum Ca <sup>2+</sup> oscillations in mammalian eggs. <i>Journal of Cell Science</i> , 2013, 126, 5714-24.	2.0	64
3	Ca <sup>2+</sup> homeostasis and regulation of ER Ca <sup>2+</sup> in mammalian oocytes/eggs. <i>Cell Calcium</i> , 2013, 53, 63-67.	2.4	57
4	Ca <sup>2+</sup> Signaling During Mammalian Fertilization: Requirements, Players, and Adaptations. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a006767-a006767.	5.5	51
5	Ca <sup>2+</sup> influx and the store-operated Ca <sup>2+</sup> entry pathway undergo regulation during mouse oocyte maturation. <i>Molecular Biology of the Cell</i> , 2013, 24, 1396-1410.	2.1	44
6	Regulation of inositol 1,4,5-trisphosphate receptor function during mouse oocyte maturation. <i>Journal of Cellular Physiology</i> , 2012, 227, 705-717.	4.1	42
7	Forced expression of DNA methyltransferases during oocyte growth accelerates the establishment of methylation imprints but not functional genomic imprinting. <i>Human Molecular Genetics</i> , 2014, 23, 3853-3864.	2.9	23
8	Constitutive IP3R1-mediated Ca <sup>2+</sup> release reduces Ca <sup>2+</sup> store content and stimulates mitochondrial metabolism in mouse GV oocytes. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	23
9	Ca <sup>2+</sup> Signaling and Homeostasis in Mammalian Oocytes and Eggs. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a035162.	5.5	22
10	DNA Methylation Errors in Cloned Mouse Sperm by Germ Line Barrier Evasion1. <i>Biology of Reproduction</i> , 2016, 94, 128.	2.7	12
11	XY oocytes of sex-reversed females with a Sry mutation deviate from the normal developmental process beyond the mitotic stage. <i>Biology of Reproduction</i> , 2019, 100, 697-710.	2.7	5