

Kogiku Shiba

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6100790/publications.pdf>

Version: 2024-02-01

14
papers

522
citations

933447

10
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

696
citing authors

#	ARTICLE	IF	CITATIONS
1	Sperm calcineurin inhibition prevents mouse fertility with implications for male contraceptive. <i>Science</i> , 2015, 350, 442-445.	12.6	137
2	Ca ²⁺ bursts occur around a local minimal concentration of attractant and trigger sperm chemotactic response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19312-19317.	7.1	117
3	Calaxin drives sperm chemotaxis by Ca ²⁺ -mediated direct modulation of a dynein motor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20497-20502.	7.1	80
4	Na ⁺ /Ca ²⁺ exchanger modulates the flagellar wave pattern for the regulation of motility activation and chemotaxis in the ascidian spermatozoa. <i>Cytoskeleton</i> , 2006, 63, 623-632.	4.4	29
5	Nexin-Dynein regulatory complex component DRC7 but not FBXL13 is required for sperm flagellum formation and male fertility in mice. <i>PLoS Genetics</i> , 2020, 16, e1008585.	3.5	28
6	Calaxin is required for cilia-driven determination of vertebrate laterality. <i>Communications Biology</i> , 2019, 2, 226.	4.4	26
7	Branchial Cilia and Sperm Flagella Recruit Distinct Axonemal Components. <i>PLoS ONE</i> , 2015, 10, e0126005.	2.5	24
8	Ca ²⁺ efflux via plasma membrane Ca ²⁺ -ATPase mediates chemotaxis in ascidian sperm. <i>Scientific Reports</i> , 2018, 8, 16622.	3.3	22
9	Distinct Roles of Soluble and Transmembrane Adenylyl Cyclases in the Regulation of Flagellar Motility in <i>Ciona</i> Sperm. <i>International Journal of Molecular Sciences</i> , 2014, 15, 13192-13208.	4.1	19
10	Microscopic analysis of sperm movement: links to mechanisms and protein components. <i>Microscopy (Oxford, England)</i> , 2018, 67, 144-155.	1.5	19
11	A dynein-associated photoreceptor protein prevents ciliary acclimation to blue light. <i>Science Advances</i> , 2021, 7, .	10.3	10
12	The Roles of Two CNG Channels in the Regulation of Ascidian Sperm Chemotaxis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1648.	4.1	5
13	High potassium seawater inhibits ascidian sperm chemotaxis, but does not affect the male gamete chemotaxis of a brown alga. <i>Zygote</i> , 2019, 27, 225-231.	1.1	3
14	Morphological differences in tardigrade spermatozoa induce variation in gamete motility. <i>BMC Zoology</i> , 2022, 7, .	1.0	1