

Christoph Brenker

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,363
citations

759233

12
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1323
citing authors

#	ARTICLE	IF	CITATIONS
1	The CatSper channel mediates progesterone-induced Ca ²⁺ influx in human sperm. <i>Nature</i> , 2011, 471, 382-386.	27.8	500
2	The CatSper channel: a polymodal chemosensor in human sperm. <i>EMBO Journal</i> , 2012, 31, 1654-1665.	7.8	202
3	Sperm navigation along helical paths in 3D chemoattractant landscapes. <i>Nature Communications</i> , 2015, 6, 7985.	12.8	157
4	Direct action of endocrine disrupting chemicals on human sperm. <i>EMBO Reports</i> , 2014, 15, 758-765.	4.5	137
5	The Ca ²⁺ -activated K ⁺ current of human sperm is mediated by Slo3. <i>ELife</i> , 2014, 3, e01438.	6.0	94
6	A novel cross-species inhibitor to study the function of CatSper Ca ²⁺ channels in sperm. <i>British Journal of Pharmacology</i> , 2018, 175, 3144-3161.	5.4	60
7	CRISP2 Is a Regulator of Multiple Aspects of Sperm Function and Male Fertility. <i>Endocrinology</i> , 2019, 160, 915-924.	2.8	43
8	Rotational motion and rheotaxis of human sperm do not require functional CatSper channels and transmembrane Ca ²⁺ signaling. <i>EMBO Journal</i> , 2020, 39, e102363.	7.8	42
9	Action of steroids and plant triterpenoids on CatSper Ca ²⁺ channels in human sperm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E344-E346.	7.1	33
10	The Ca ²⁺ channel CatSper is not activated by cAMP/PKA signaling but directly affected by chemicals used to probe the action of cAMP and PKA. <i>Journal of Biological Chemistry</i> , 2020, 295, 13181-13193.	3.4	27
11	Molecular Mechanism Underlying the Action of Zona-pellucida Glycoproteins on Mouse Sperm. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 572735.	3.7	19
12	Kinetic and photonic techniques to study chemotactic signaling in sea urchin sperm. <i>Methods in Cell Biology</i> , 2019, 151, 487-517.	1.1	15
13	The Action of Reproductive Fluids and Contained Steroids, Prostaglandins, and Zn ²⁺ on CatSper Ca ²⁺ Channels in Human Sperm. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 699554.	3.7	15
14	The antidepressant Sertraline inhibits CatSper Ca ²⁺ channels in human sperm. <i>Human Reproduction</i> , 2021, 36, 2638-2648.	0.9	15
15	An Assay to Determine Mechanisms of Rapid Autoantibody-Induced Neurotransmitter Receptor Endocytosis and Vesicular Trafficking in Autoimmune Encephalitis. <i>Frontiers in Neurology</i> , 2019, 10, 178.	2.4	2