

Yuriy Kirichok

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1031816/publications.pdf>

Version: 2024-02-01

21
papers

3,609
citations

623734

14
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

4983
citing authors

#	ARTICLE	IF	CITATIONS
1	The mitochondrial calcium uniporter is a highly selective ion channel. <i>Nature</i> , 2004, 427, 360-364.	27.8	1,217
2	Mechanism of Fatty-Acid-Dependent UCP1 Uncoupling in Brown Fat Mitochondria. <i>Cell</i> , 2012, 151, 400-413.	28.9	728
3	Whole-cell patch-clamp measurements of spermatozoa reveal an alkaline-activated Ca ²⁺ channel. <i>Nature</i> , 2006, 439, 737-740.	27.8	403
4	Unconventional endocannabinoid signaling governs sperm activation via the sex hormone progesterone. <i>Science</i> , 2016, 352, 555-559.	12.6	200
5	Activity of the mitochondrial calcium uniporter varies greatly between tissues. <i>Nature Communications</i> , 2012, 3, 1317.	12.8	191
6	H ⁺ transport is an integral function of the mitochondrial ADP/ATP carrier. <i>Nature</i> , 2019, 571, 515-520.	27.8	183
7	Mitochondrial Patch Clamp of Beige Adipocytes Reveals UCP1-Positive and UCP1-Negative Cells Both Exhibiting Futile Creatine Cycling. <i>Cell Metabolism</i> , 2017, 25, 811-822.e4.	16.2	174
8	Rediscovering sperm ion channels with the patch-clamp technique. <i>Molecular Human Reproduction</i> , 2011, 17, 478-499.	2.8	100
9	Perinatal Licensing of Thermogenesis by IL-33 and ST2. <i>Cell</i> , 2016, 166, 841-854.	28.9	99
10	Mitochondrial Ca ²⁺ uniporter and CaMKII in heart. <i>Nature</i> , 2014, 513, E1-E2.	27.8	72
11	UCP1: A transporter for H ⁺ and fatty acid anions. <i>Biochimie</i> , 2017, 134, 28-34.	2.6	65
12	Mitochondrial uncouplers induce proton leak by activating AAC and UCP1. <i>Nature</i> , 2022, 606, 180-187.	27.8	48
13	The mechanism of MICU-dependent gating of the mitochondrial Ca ²⁺ -uniporter. <i>ELife</i> , 2021, 10, .	6.0	39
14	Mitochondrial H ⁺ Leak and Thermogenesis. <i>Annual Review of Physiology</i> , 2022, 84, 381-407.	13.1	24
15	The Mechanism FA-Dependent H ⁺ Transport by UCP1. <i>Handbook of Experimental Pharmacology</i> , 2018, 251, 143-159.	1.8	17
16	Deficiency of the splicing factor RBM10 limits EGFR inhibitor response in EGFR-mutant lung cancer. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	15
17	Synthetic Essentiality of Metabolic Regulator PDHK1 in PTEN-Deficient Cells and Cancers. <i>Cell Reports</i> , 2019, 28, 2317-2330.e8.	6.4	12
18	Signaling the differences between cilia. <i>ELife</i> , 2015, 4, .	6.0	9

#	ARTICLE	IF	CITATIONS
19	Patch-Clamp Analysis of the Mitochondrial H ⁺ Leak in Brown and Beige Fat. <i>Frontiers in Physiology</i> , 2020, 11, 326.	2.8	7
20	Recording Electrical Currents across the Plasma Membrane of Mammalian Sperm Cells. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	4
21	Keeping a lid on calcium uptake. <i>ELife</i> , 2016, 5, .	6.0	2