

George Shapovalov

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,071
citations

430874

18
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

1722
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of TRP ion channels in cancer and tumorigenesis. <i>Seminars in Immunopathology</i> , 2016, 38, 357-369.	6.1	123
2	Functional and physiopathological implications of TRP channels. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1772-1782.	4.1	81
3	TRP channel-associated factors are a novel protein family that regulates TRPM8 trafficking and activity. <i>Journal of Cell Biology</i> , 2015, 208, 89-107.	5.2	79
4	Tyrosine Decaging Leads to Substantial Membrane Trafficking during Modulation of an Inward Rectifier Potassium Channel. <i>Journal of General Physiology</i> , 2001, 117, 103-118.	1.9	74
5	Epidermal TRPM8 channel isoform controls the balance between keratinocyte proliferation and differentiation in a cold-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3345-54.	7.1	74
6	Total chemical synthesis and electrophysiological characterization of mechanosensitive channels from <i>Escherichia coli</i> and <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4764-4769.	7.1	72
7	Gating Transitions in Bacterial Ion Channels Measured at 3 μ s Resolution. <i>Journal of General Physiology</i> , 2004, 124, 151-161.	1.9	71
8	Ion channels and transporters in cancer. 5. Ion channels in control of cancer and cell apoptosis. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C1281-C1289.	4.6	71
9	TRP channels in cell survival and cell death in normal and transformed cells. <i>Cell Calcium</i> , 2011, 50, 295-302.	2.4	66
10	Nav1.4 Deregulation in Dystrophic Skeletal Muscle Leads to Na ⁺ Overload and Enhanced Cell Death. <i>Journal of General Physiology</i> , 2008, 132, 199-208.	1.9	58
11	Opiates Modulate Thermosensation by Internalizing Cold Receptor TRPM8. <i>Cell Reports</i> , 2013, 4, 504-515.	6.4	37
12	Calcium Channels and Prostate Cancer. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2012, 8, 18-26.	1.6	34
13	The trans-membrane domain of Bcl-2 \pm , but not its hydrophobic cleft, is a critical determinant for efficient IP3 receptor inhibition. <i>Oncotarget</i> , 2016, 7, 55704-55720.	1.8	34
14	4TM-TRPM8 channels are new gatekeepers of the ER-mitochondria Ca ²⁺ transfer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 981-994.	4.1	29
15	TRPC3 shapes the ER-mitochondria Ca ²⁺ transfer characterizing tumour-promoting senescence. <i>Nature Communications</i> , 2022, 13, 956.	12.8	29
16	On-Resin Assembly of a Linkerless Lanthanide(III)-Based Luminescence Label and Its Application to the Total Synthesis of Site-Specifically Labeled Mechanosensitive Channels. <i>Bioconjugate Chemistry</i> , 2004, 15, 1118-1124.	3.6	24
17	Open-State Disulfide Crosslinking between <i>Mycobacterium tuberculosis</i> Mechanosensitive Channel Subunits. <i>Biophysical Journal</i> , 2003, 84, 2357-2365.	0.5	22
18	Phospholipase A2-derived lysophosphatidylcholine triggers Ca ²⁺ entry in dystrophic skeletal muscle fibers. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 401-406.	2.1	20

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19	Calcium Channels and Prostate Cancer. Recent Patents on Anti-Cancer Drug Discovery, 2012, 8, 18-26.	1.6	20
20	Organelle membrane derived patches: reshaping classical methods for new targets. Scientific Reports, 2017, 7, 14082.	3.3	16
21	Complex modulation of the cold receptor TRPM8 by volatile anaesthetics and its role in complications of general anaesthesia. Journal of Cell Science, 2013, 126, 4479-4489.	2.0	14
22	Metabolic Disorders and Cancer: Store-Operated Ca ²⁺ Entry in Cancer: Focus on IP3R-Mediated Ca ²⁺ Release from Intracellular Stores and Its Role in Migration and Invasion. Advances in Experimental Medicine and Biology, 2017, 993, 623-637.	1.6	9
23	Store operated calcium channels in cancer progression. International Review of Cell and Molecular Biology, 2021, 363, 123-168.	3.2	9
24	Na ^v 1.4 Deregulation in Dystrophic Skeletal Muscle Leads to Na ⁺ Overload and Enhanced Cell Death. Journal of Cell Biology, 2008, 182, i8-i8.	5.2	1
25	Allosteric cross-talk between the hydrophobic cleft and the BH4 domain of Bcl-2 in control of inositol 1,4,5-trisphosphate receptor activity. Exploration of Targeted Anti-tumor Therapy, 0, , 375-391.	0.8	1
26	TRP Channels in Prostate Cancer. , 2014, , 533-547.		0
27	TRP channel-associated factors are a novel protein family that regulates TRPM8 trafficking and activity. Journal of General Physiology, 2015, 145, 1452OIA1.	1.9	0
28	Allosteric <i>Cross-Talk</i> between the Hydrophobic Cleft and the BH4 Domain of Bcl-2 in Control of IP3R Activity. SSRN Electronic Journal, 0, , .	0.4	0