

Alexandru Babes

List of Publications by Year in descending order

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39
papers

2,516
citations

394421

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docs citations

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times ranked

3310
citing authors

#	ARTICLE	IF	CITATIONS
1	The formalin test does not probe inflammatory pain but excitotoxicity in rodent skin. <i>Physiological Reports</i> , 2022, 10, e15194.	1.7	9
2	Psoralens activate and photosensitize Transient Receptor Potential channels Ankyrin type 1 (TRPA1) and Vanilloid type 1 (TRPV1). <i>European Journal of Pain</i> , 2021, 25, 122-135.	2.8	8
3	Functional expression of the transient receptor potential ankyrin type 1 channel in pancreatic adenocarcinoma cells. <i>Scientific Reports</i> , 2021, 11, 2018.	3.3	16
4	Mini-review: The nociceptive sensory functions of the polymodal receptor Transient Receptor Potential Ankyrin Type 1 (TRPA1). <i>Neuroscience Letters</i> , 2021, 764, 136286.	2.1	14
5	The phospholipase C inhibitor U73122 is a potent agonist of the polymodal transient receptor potential ankyrin type 1 (TRPA1) receptor channel. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 177-189.	3.0	10
6	High-dose phenylephrine increases meningeal blood flow through TRPV1 receptor activation and release of calcitonin gene-related peptide. <i>European Journal of Pain</i> , 2020, 24, 383-397.	2.8	10
7	Regulation of TRPM8 channel activity by Src-mediated tyrosine phosphorylation. <i>Journal of Cellular Physiology</i> , 2020, 235, 5192-5203.	4.1	17
8	Role of 5-HT _{1A} and 5-HT ₃ receptors in serotonergic activation of sensory neurons in relation to itch and pain behavior in the rat. <i>Journal of Neuroscience Research</i> , 2020, 98, 1999-2017.	2.9	10
9	Neuronal microRNAs modulate TREK two-pore domain K ⁺ channel expression and current density. <i>RNA Biology</i> , 2020, 17, 651-662.	3.1	7
10	Modulation of Transient Receptor Potential (TRP) channels by tyrosine phosphorylation. <i>Reviews in Biological and Biomedical Sciences</i> , 2020, 3, 77-87.	0.1	0
11	Sumatriptan activates TRPA1. <i>Cephalalgia Reports</i> , 2019, 2, 251581631984715.	0.7	1
12	The anthelmintic drug praziquantel is a selective agonist of the sensory transient receptor potential melastatin type 8 channel. <i>Toxicology and Applied Pharmacology</i> , 2017, 336, 55-65.	2.8	31
13	Photosensitization of TRPA1 and TRPV1 by 7-dehydrocholesterol: implications for the Smith-Lemli-Opitz syndrome. <i>Pain</i> , 2017, 158, 2475-2486.	4.2	9
14	Glycolytic metabolite methylglyoxal inhibits cold and menthol activation of the transient receptor potential melastatin type 8 channel. <i>Journal of Neuroscience Research</i> , 2016, 94, 282-294.	2.9	6
15	Photosensitization in Porphyrias and Photodynamic Therapy Involves TRPA1 and TRPV1. <i>Journal of Neuroscience</i> , 2016, 36, 5264-5278.	3.6	66
16	Systemic desensitization through TRPA1 channels by capsazepine and mustard oil - a novel strategy against inflammation and pain. <i>Scientific Reports</i> , 2016, 6, 28621.	3.3	78
17	Transient receptor potential melastatin 8 ion channel in macrophages modulates colitis through a balance-shift in TNF-alpha and interleukin-10 production. <i>Mucosal Immunology</i> , 2016, 9, 1500-1513.	6.0	65
18	Characterization of Functional Transient Receptor Potential Melastatin 8 Channels in Human Pancreatic Ductal Adenocarcinoma Cells. <i>Pancreas</i> , 2014, 43, 795-800.	1.1	19

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19	H2S and NO cooperatively regulate vascular tone by activating a neuroendocrine HNO ² â€“TRPA1â€“CGRP signalling pathway. <i>Nature Communications</i> , 2014, 5, 4381.	12.8	324
20	Camphor Activates and Sensitizes Transient Receptor Potential Melastatin 8 (TRPM8) to Cooling and Icilin. <i>Chemical Senses</i> , 2013, 38, 563-575.	2.0	53
21	The anti-diabetic drug glibenclamide is an agonist of the transient receptor potential Ankyrin 1 (TRPA1) ion channel. <i>European Journal of Pharmacology</i> , 2013, 704, 15-22.	3.5	41
22	Methylglyoxal modification of Nav1.8 facilitates nociceptive neuron firing and causes hyperalgesia in diabetic neuropathy. <i>Nature Medicine</i> , 2012, 18, 926-933.	30.7	414
23	TRPA1 and Substance P Mediate Colitis in Mice. <i>Gastroenterology</i> , 2011, 141, 1346-1358.	1.3	197
24	TRPM8, a Sensor for Mild Cooling in Mammalian Sensory Nerve Endings. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 78-88.	1.6	47
25	The M-Channel Blocker Linopirdine Is an Agonist of the Capsaicin Receptor TRPV1. <i>Journal of Pharmacological Sciences</i> , 2010, 114, 332-340.	2.5	6
26	Electrophysiological and Neurochemical Techniques to Investigate Sensory Neurons in Analgesia Research. <i>Methods in Molecular Biology</i> , 2010, 617, 237-259.	0.9	15
27	Acute and chronic effects of neurotrophic factors BDNF and GDNF on responses mediated by thermo-sensitive TRP channels in cultured rat dorsal root ganglion neurons. <i>Brain Research</i> , 2009, 1284, 54-67.	2.2	43
28	Ion channels involved in cold detection in mammals: TRP and non-TRP mechanisms. <i>Biophysical Reviews</i> , 2009, 1, 193-200.	3.2	12
29	Sensory neuron sodium channel Nav1.8 is essential for pain at low temperatures. <i>Nature</i> , 2007, 447, 856-859.	27.8	355
30	A high-threshold heat-activated channel in cultured rat dorsal root ganglion neurons resembles TRPV2 and is blocked by gadolinium. <i>European Journal of Neuroscience</i> , 2007, 26, 12-22.	2.6	60
31	Desensitization of cold- and menthol-sensitive rat dorsal root ganglion neurones by inflammatory mediators. <i>Experimental Brain Research</i> , 2007, 178, 89-98.	1.5	88
32	A novel type of cold-sensitive neuron in rat dorsal root ganglia with rapid adaptation to cooling stimuli. <i>European Journal of Neuroscience</i> , 2006, 24, 691-698.	2.6	38
33	Two populations of cold-sensitive neurons in rat dorsal root ganglia and their modulation by nerve growth factor. <i>European Journal of Neuroscience</i> , 2004, 20, 2276-2282.	2.6	150
34	Cooling inhibits capsaicin-induced currents in cultured rat dorsal root ganglion neurones. <i>Neuroscience Letters</i> , 2002, 317, 131-134.	2.1	43
35	A cold- and menthol-activated current in rat dorsal root ganglion neurones: properties and role in cold transduction. <i>Journal of Physiology</i> , 2002, 545, 595-614.	2.9	193
36	Control of the allosteric equilibrium of hemoglobin by cross-linking agents. <i>Protein Science</i> , 2002, 11, 1376-1383.	7.6	8

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37	Slowing of inactivation at positive potentials in a neuronal K ⁺ channel is not due to preferential closed-state inactivation. <i>Biochemical Society Transactions</i> , 2000, 28, A453-A453.	3.4	0
38	Na ⁺ Transport, and the E1P-E2P Conformational Transition of the Na ⁺ /K ⁺ -ATPase. <i>Biophysical Journal</i> , 2000, 79, 2557-2571.	0.5	17
39	Hofmeister Effects of Anions on the Kinetics of Partial Reactions of the Na ⁺ ,K ⁺ -ATPase. <i>Biophysical Journal</i> , 1999, 77, 267-281.	0.5	31