Diana M Bautista

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5654869/publications.pdf

Version: 2024-02-01

54 papers	15,660 citations	117625 34 h-index	175258 52 g-index
62 all docs	62 docs citations	62 times ranked	13323 citing authors

#	Article	IF	Citations
1	Cellular and Molecular Mechanisms of Pain. Cell, 2009, 139, 267-284.	28.9	3,090
2	Mustard oils and cannabinoids excite sensory nerve fibres through the TRP channel ANKTM1. Nature, 2004, 427, 260-265.	27.8	1,706
3	TRPA1 Mediates the Inflammatory Actions of Environmental Irritants and Proalgesic Agents. Cell, 2006, 124, 1269-1282.	28.9	1,672
4	The menthol receptor TRPM8 is the principal detector of environmental cold. Nature, 2007, 448, 204-208.	27.8	1,110
5	TRPA1 mediates formalin-induced pain. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13525-13530.	7.1	1,094
6	TRP channel activation by reversible covalent modification. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19564-19568.	7.1	795
7	The Epithelial Cell-Derived Atopic Dermatitis Cytokine TSLP Activates Neurons to Induce Itch. Cell, 2013, 155, 285-295.	28.9	772
8	Pungent products from garlic activate the sensory ion channel TRPA1. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12248-12252.	7.1	740
9	4-Hydroxynonenal, an endogenous aldehyde, causes pain and neurogenic inflammation through activation of the irritant receptor TRPA1. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13519-13524.	7.1	655
10	TRPA1 is required for histamine-independent, Mas-related G proteinâ€“coupled receptorâ€“mediated itch. Nature Neuroscience, 2011, 14, 595-602.	14.8	523
11	TRPA1: A Gatekeeper for Inflammation. Annual Review of Physiology, 2013, 75, 181-200.	13.1	329
12	Why we scratch an itch: the molecules, cells and circuits of itch. Nature Neuroscience, 2014, 17, 175-182.	14.8	293
13	TRPM8, but not TRPA1, is required for neural and behavioral responses to acute noxious cold temperatures and cold-mimetics in vivo. Pain, 2010, 150, 340-350.	4.2	237
14	Pungent agents from Szechuan peppers excite sensory neurons by inhibiting two-pore potassium channels. Nature Neuroscience, 2008, 11, 772-779.	14.8	215
15	Pharmacological Blockade of the Cold Receptor TRPM8 Attenuates Autonomic and Behavioral Cold Defenses and Decreases Deep Body Temperature. Journal of Neuroscience, 2012, 32, 2086-2099.	3.6	206
16	Unconventional endocannabinoid signaling governs sperm activation via the sex hormone progesterone. Science, 2016, 352, 555-559.	12.6	200
17	The Ion Channel TRPA1 Is Required for Chronic Itch. Journal of Neuroscience, 2013, 33, 9283-9294.	3.6	190
18	Cryo-EM structure of SARS-CoV-2 ORF3a in lipid nanodiscs. Nature Structural and Molecular Biology, 2021, 28, 573-582.	8.2	172

#	Article	IF	Citations
19	HTR7 Mediates Serotonergic Acute and Chronic Itch. Neuron, 2015, 87, 124-138.	8.1	160
20	Biophysical Regulation of Histone Acetylation in Mesenchymal Stem Cells. Biophysical Journal, 2011, 100, 1902-1909.	0.5	148
21	Enhancement of calcium signalling dynamics and stability by delayed modulation of the plasmaâ€membrane calciumâ€ATPase in human T cells. Journal of Physiology, 2002, 541, 877-894.	2.9	116
22	Regulation of the CUL3ÂUbiquitin Ligase by a Calcium-Dependent Co-adaptor. Cell, 2016, 167, 525-538.e14.	28.9	110
23	Neutrophils promote CXCR3-dependent itch in the development of atopic dermatitis. ELife, 2019, 8, .	6.0	99
24	Modulation of plasma membrane calciumâ€ATPase activity by local calcium microdomains near CRAC channels in human T cells. Journal of Physiology, 2004, 556, 805-817.	2.9	85
25	Mammalian somatosensory mechanotransduction. Current Opinion in Neurobiology, 2009, 19, 362-369.	4.2	85
26	Physiological Basis of Tingling Paresthesia Evokedby Hydroxy-Î±-Sanshool. Journal of Neuroscience, 2010, 30, 4353-4361.	3.6	74
27	Radial stretch reveals distinct populations of mechanosensitive mammalian somatosensory neurons. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20015-20020.	7.1	72
28	Molecular and Cellular Mechanisms of Trigeminal Chemosensation. Annals of the New York Academy of Sciences, 2009, 1170, 184-189.	3.8	71
29	Optical control of sphingosine-1-phosphate formation and function. Nature Chemical Biology, 2019, 15, 623-631.	8.0	66
30	A â€˜toothache treeâ€™ alkylamide inhibits AÎ´ mechanonociceptors to alleviate mechanical pain. Journal of Physiology, 2013, 591, 3325-3340.	2.9	59
31	S1PR3 Mediates Itch and Pain via Distinct TRP Channel-Dependent Pathways. Journal of Neuroscience, 2018, 38, 7833-7843.	3.6	51
32	Getting in Touch with Mechanical Pain Mechanisms. Trends in Neurosciences, 2020, 43, 311-325.	8.6	51
33	The Star-Nosed Mole Reveals Clues to the Molecular Basis of Mammalian Touch. PLoS ONE, 2013, 8, e55001.	2.5	41
34	Feeling the pressure in mammalian somatosensation. Current Opinion in Neurobiology, 2005, 15, 382-388.	4.2	38
35	Fire in the hole: pore dilation of the capsaicin receptor TRPV1. Nature Neuroscience, 2008, 11, 528-529.	14.8	37
36	Mammalian touch catches up. Current Opinion in Neurobiology, 2015, 34, 133-139.	4.2	36

#	Article	IF	Citations
37	The signaling lipid sphingosine 1-phosphate regulates mechanical pain. ELife, 2018, 7, .	6.0	32
38	TRPA1: irritant detector of the airways. Journal of Physiology, 2008, 586, 3303-3303.	2.9	23
39	Sphingosineâ€1â€phosphate activates mouse vagal airway afferent Câ€fibres via S1PR3 receptors. Journal of Physiology, 2019, 597, 2007-2019.	2.9	23
40	Probing mammalian touch transduction. Journal of General Physiology, 2011, 138, 291-301.	1.9	22
41	Dissecting the precise nature of itch-evoked scratching. Neuron, 2021, 109, 3075-3087.e2.	8.1	19
42	Neuroanatomical evidence for segregation of nerve fibers conveying light touch and pain sensation in Eimer's organ of the mole. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9339-9344.	7.1	16
43	Spicy science: David Julius and the discovery of temperature-sensitive TRP channels. Temperature, 2015, 2, 135-141.	3.0	11
44	Basophils add fuel to the flame of eczema itch. Cell, 2021, 184, 294-296.	28.9	10
45	A Double TRPtych: Six Views of Transient Receptor Potential Channels in Disease and Health. Journal of Neuroscience, 2008, 28, 11778-11784.	3.6	8
46	Transcriptional profiling of identified neurons in leech. BMC Genomics, 2021, 22, 215.	2.8	6
47	Nerveâ€associated transient receptor potential ion channels can contribute to intrinsic resistance to bacterial adhesion in vivo. FASEB Journal, 2021, 35, e21899.	0.5	5
48	Itching for relief. Nature Neuroscience, 2013, 16, 775-777.	14.8	4
49	Loss of S1PR3 attenuates scratching behaviors in mice in the imiquimod model of psoriasis, but not in the MC903 model of atopic dermatitis. Itch (Philadelphia, Pa), 2020, 5, e35-e35.	0.2	3
50	A trio of ion channels takes the heat. Nature, 2018, 555, 591-592.	27.8	2
51	Tingling Alkylamides from Echinacea Activate Somatosensory Neurons. Biophysical Journal, 2010, 98, 496a.	0.5	1
52	Perspectives on: Information and coding in mammalian sensory physiology. Journal of General Physiology, 2011, 138, 653-653.	1.9	1
53	ORAI1 Calcium Signaling Regulates the Release of the Atopic Dermatitis Cytokine TSLP. Biophysical Journal, 2013, 104, 40a.	0.5	0
54	A TREK to Translate Genetics to Mechanisms of Migraine. Neuron, 2019, 101, 193-195.	8.1	0