

David Julius

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

13,409
citations

201674

27
h-index

434195

31
g-index

34
all docs

34
docs citations

34
times ranked

10768
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensory TRP Channels in Three Dimensions. Annual Review of Biochemistry, 2022, 91, 629-649.	11.1	22
2	Structural snapshots of TRPV1 reveal mechanism of polymodal functionality. Cell, 2021, 184, 5138-5150.e12.	28.9	101
3	Irritant-evoked activation and calcium modulation of the TRPA1 receptor. Nature, 2020, 585, 141-145.	27.8	93
4	A Cell-Penetrating Scorpion Toxin Enables Mode-Specific Modulation of TRPA1 and Pain. Cell, 2019, 178, 1362-1374.e16.	28.9	72
5	Membrane mimetic systems in CryoEM: keeping membrane proteins in their native environment. Current Opinion in Structural Biology, 2019, 58, 259-268.	5.7	60
6	Structural insights into TRPM8 inhibition and desensitization. Science, 2019, 365, 1434-1440.	12.6	118
7	Structural insight into TRPV5 channel function and modulation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8869-8878.	7.1	78
8	Structure of the human TRPM4 ion channel in a lipid nanodisc. Science, 2018, 359, 228-232.	12.6	219
9	Tissue-specific contributions of <i>Tmem79</i> to atopic dermatitis and mast cell-mediated histaminergic itch. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12091-E12100.	7.1	30
10	Molecular tuning of electroreception in sharks and skates. Nature, 2018, 558, 122-126.	27.8	43
11	Lys49 myotoxin from the Brazilian lancehead pit viper elicits pain through regulated ATP release. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2524-E2532.	7.1	37
12	Molecular basis of ancestral vertebrate electroreception. Nature, 2017, 543, 391-396.	27.8	84
13	Enterochromaffin Cells Are Gut Chemosensors that Couple to Sensory Neural Pathways. Cell, 2017, 170, 185-198.e16.	28.9	568
14	Pharmacology of the Na ^v 1.1 domain IV voltage sensor reveals coupling between inactivation gating processes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6836-6841.	7.1	30
15	TRPV1 structures in nanodiscs reveal mechanisms of ligand and lipid action. Nature, 2016, 534, 347-351.	27.8	702
16	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. Nature, 2016, 534, 494-499.	27.8	239
17	Structure of the TRPA1 ion channel suggests regulatory mechanisms. Nature, 2015, 520, 511-517.	27.8	522
18	Editorial overview: Molecular biology of sensation. Current Opinion in Neurobiology, 2015, 34, v-vi.	4.2	2

#	ARTICLE	IF	CITATIONS
19	Stephen F. Heinemann: A true original. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14314-14315.	7.1	0
20	X-Ray Structure of Acid-Sensing Ion Channel 1â€“Snake Toxin Complex Reveals Open State of a Na ⁺ -Selective Channel. Cell, 2014, 156, 717-729.	28.9	264
21	Single particle electron cryo-microscopy of a mammalian ion channel. Current Opinion in Structural Biology, 2014, 27, 1-7.	5.7	79
22	TRP Channels and Pain. Annual Review of Cell and Developmental Biology, 2013, 29, 355-384.	9.4	927
23	Structure of the TRPV1 ion channel determined by electron cryo-microscopy. Nature, 2013, 504, 107-112.	27.8	1,451
24	TRPV1 structures in distinct conformations reveal activation mechanisms. Nature, 2013, 504, 113-118.	27.8	895
25	Cytoplasmic ankyrin repeats of transient receptor potential A1 (TRPA1) dictate sensitivity to thermal and chemical stimuli. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1184-91.	7.1	192
26	Molecular basis of infrared detection by snakes. Nature, 2010, 464, 1006-1011.	27.8	378
27	The menthol receptor TRPM8 is the principal detector of environmental cold. Nature, 2007, 448, 204-208.	27.8	1,110
28	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
29	From peppers to peppermints: natural products as probes of the pain pathway. Harvey Lectures, 2005, 101, 89-115.	0.2	15
30	Mustard oils and cannabinoids excite sensory nerve fibres through the TRP channel ANKTM1. Nature, 2004, 427, 260-265.	27.8	1,706
31	The Super-Cooling Agent Icilin Reveals a Mechanism of Coincidence Detection by a Temperature-Sensitive TRP Channel. Neuron, 2004, 43, 859-869.	8.1	291
32	Identification of a cold receptor reveals a general role for TRP channels in thermosensation. Nature, 2002, 416, 52-58.	27.8	2,280