

Sven-Eric Jordt

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69
papers

11,103
citations

35
h-index

83
g-index

83
ext. papers

12,379
ext. citations

9.9
avg, IF

6.21
L-index

#	Paper	IF	Citations
69	Mustard oils and cannabinoids excite sensory nerve fibres through the TRP channel ANKTM1. <i>Nature</i> , 2004 , 427, 260-5	50.4	1514
68	TRPA1 mediates the inflammatory actions of environmental irritants and proalgesic agents. <i>Cell</i> , 2006 , 124, 1269-82	56.2	1447
67	Bradykinin and nerve growth factor release the capsaicin receptor from PtdIns(4,5)P2-mediated inhibition. <i>Nature</i> , 2001 , 411, 957-62	50.4	1034
66	The menthol receptor TRPM8 is the principal detector of environmental cold. <i>Nature</i> , 2007 , 448, 204-8	50.4	885
65	Molecular basis for species-specific sensitivity to "hot" chili peppers. <i>Cell</i> , 2002 , 108, 421-30	56.2	741
64	Pungent products from garlic activate the sensory ion channel TRPA1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 12248-52	11.5	645
63	Acid potentiation of the capsaicin receptor determined by a key extracellular site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 8134-9	11.5	502
62	TRPA1 is a major oxidant sensor in murine airway sensory neurons. <i>Journal of Clinical Investigation</i> , 2008 , 118, 1899-910	15.9	339
61	A sensory neuronal ion channel essential for airway inflammation and hyperreactivity in asthma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 9099-104	11.5	324
60	Breathtaking TRP channels: TRPA1 and TRPV1 in airway chemosensation and reflex control. <i>Physiology</i> , 2008 , 23, 360-70	9.8	288
59	Lessons from peppers and peppermint: the molecular logic of thermosensation. <i>Current Opinion in Neurobiology</i> , 2003 , 13, 487-92	7.6	284
58	Male germ cells and photoreceptors, both dependent on close cell-cell interactions, degenerate upon ClC-2 Cl(-) channel disruption. <i>EMBO Journal</i> , 2001 , 20, 1289-99	13	265
57	Distribution and function of the hydrogen sulfide-sensitive TRPA1 ion channel in rat urinary bladder. <i>European Urology</i> , 2008 , 53, 391-9	10.2	230
56	Molecular dissection of gating in the ClC-2 chloride channel. <i>EMBO Journal</i> , 1997 , 16, 1582-92	13	199
55	What are the respiratory effects of e-cigarettes?. <i>BMJ, The</i> , 2019 , 366, l5275	5.9	166
54	TRPA1 controls inflammation and pruritogen responses in allergic contact dermatitis. <i>FASEB Journal</i> , 2013 , 27, 3549-63	0.9	152
53	TRPM8 is the principal mediator of menthol-induced analgesia of acute and inflammatory pain. <i>Pain</i> , 2013 , 154, 2169-2177	8	149

52	IL-33/ST2 signaling excites sensory neurons and mediates itch response in a mouse model of poison ivy contact allergy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E7572-E7579	11.5	144
51	TRPV4 inhibition counteracts edema and inflammation and improves pulmonary function and oxygen saturation in chemically induced acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 307, L158-72	5.8	137
50	Transient receptor potential ankyrin 1 antagonists block the noxious effects of toxic industrial isocyanates and tear gases. <i>FASEB Journal</i> , 2009 , 23, 1102-14	0.9	131
49	Menthol attenuates respiratory irritation responses to multiple cigarette smoke irritants. <i>FASEB Journal</i> , 2011 , 25, 4434-44	0.9	129
48	Regulation of Pain and Itch by TRP Channels. <i>Neuroscience Bulletin</i> , 2018 , 34, 120-142	4.3	122
47	Sensory detection and responses to toxic gases: mechanisms, health effects, and countermeasures. <i>Proceedings of the American Thoracic Society</i> , 2010 , 7, 269-77		94
46	Characterization of the hyperpolarization-activated chloride current in dissociated rat sympathetic neurons. <i>Journal of Physiology</i> , 1998 , 506 (Pt 3), 665-78	3.9	93
45	Chloride dependence of hyperpolarization-activated chloride channel gates. <i>Journal of Physiology</i> , 1999 , 515 (Pt 2), 341-53	3.9	93
44	Formation of flavorant-propylene Glycol Adducts With Novel Toxicological Properties in Chemically Unstable E-Cigarette Liquids. <i>Nicotine and Tobacco Research</i> , 2019 , 21, 1248-1258	4.9	79
43	TRPA1 mediates the noxious effects of natural sesquiterpene deterrents. <i>Journal of Biological Chemistry</i> , 2008 , 283, 24136-44	5.4	77
42	Chronic exposure to paclitaxel diminishes phosphoinositide signaling by calpain-mediated neuronal calcium sensor-1 degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 11103-8	11.5	74
41	Transient Receptor Potential Cation Channel Subfamily M Member 8 channels mediate the anti-inflammatory effects of eucalyptol. <i>British Journal of Pharmacology</i> , 2017 , 174, 867-879	8.6	64
40	A tarantula-venom peptide antagonizes the TRPA1 nociceptor ion channel by binding to the S1-S4 gating domain. <i>Current Biology</i> , 2014 , 24, 473-83	6.3	50
39	Menthol attenuates respiratory irritation and elevates blood cotinine in cigarette smoke exposed mice. <i>PLoS ONE</i> , 2015 , 10, e0117128	3.7	43
38	Distinct Analgesic Actions of DHA and DHA-Derived Specialized Pro-Resolving Mediators on Post-operative Pain After Bone Fracture in Mice. <i>Frontiers in Pharmacology</i> , 2018 , 9, 412	5.6	42
37	TRP channels in disease. <i>Sub-Cellular Biochemistry</i> , 2007 , 45, 253-71	5.5	41
36	Role of metabolic activation and the TRPA1 receptor in the sensory irritation response to styrene and naphthalene. <i>Toxicological Sciences</i> , 2010 , 115, 589-95	4.4	35
35	Urgent reconsideration of lung edema as a preventable outcome in COVID-19: inhibition of TRPV4 represents a promising and feasible approach. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L1239-L1243	5.8	34

34	Menthol decreases oral nicotine aversion in C57BL/6 mice through a TRPM8-dependent mechanism. <i>Tobacco Control</i> , 2016 , 25, ii50-ii54	5.3	32
33	Oxidized Phospholipid OxPAPC Activates TRPA1 and Contributes to Chronic Inflammatory Pain in Mice. <i>PLoS ONE</i> , 2016 , 11, e0165200	3.7	28
32	Enteroendocrine cells sense bacterial tryptophan catabolites to activate enteric and vagal neuronal pathways. <i>Cell Host and Microbe</i> , 2021 , 29, 179-196.e9	23.4	28
31	Tear gas: an epidemiological and mechanistic reassessment. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1378, 96-107	6.5	26
30	An Official American Thoracic Society Workshop Report: Chemical Inhalational Disasters. Biology of Lung Injury, Development of Novel Therapeutics, and Medical Preparedness. <i>Annals of the American Thoracic Society</i> , 2017 , 14, 1060-1072	4.7	25
29	High-Intensity Sweeteners in Alternative Tobacco Products. <i>Nicotine and Tobacco Research</i> , 2016 , 18, 2169-2173	4.9	24
28	Flavorant-Solvent Reaction Products and Menthol in JUUL E-Cigarettes and Aerosol. <i>American Journal of Preventive Medicine</i> , 2019 , 57, 425-427	6.1	23
27	TRPA1: Acrolein meets its target. <i>Toxicology and Applied Pharmacology</i> , 2017 , 324, 45-50	4.6	21
26	Prolonged oxaliplatin exposure alters intracellular calcium signaling: a new mechanism to explain oxaliplatin-associated peripheral neuropathy. <i>Clinical Colorectal Cancer</i> , 2011 , 10, 126-33	3.8	21
25	TRPA1 and CGRP antagonists counteract vesicant-induced skin injury and inflammation. <i>Toxicology Letters</i> , 2018 , 293, 140-148	4.4	18
24	Risk Analysis for the Carcinogen Pulegone in Mint- and Menthol-Flavored e-Cigarettes and Smokeless Tobacco Products. <i>JAMA Internal Medicine</i> , 2019 , 179, 1721-1723	11.5	16
23	Toxic effects of chlorine gas and potential treatments: a literature review. <i>Toxicology Mechanisms and Methods</i> , 2021 , 31, 244-256	3.6	14
22	Transcriptome profiling reveals Th2 bias and identifies endogenous itch mediators in poison ivy contact dermatitis. <i>JCI Insight</i> , 2019 , 5,	9.9	13
21	Chemical Adducts of Reactive Flavor Aldehydes Formed in E-Cigarette Liquids Are Cytotoxic and Inhibit Mitochondrial Function in Respiratory Epithelial Cells. <i>Nicotine and Tobacco Research</i> , 2020 , 22, S25-S34	4.9	12
20	Transient receptor potential channels in pulmonary chemical injuries and as countermeasure targets. <i>Annals of the New York Academy of Sciences</i> , 2020 , 1480, 73-103	6.5	12
19	ETR and protein kinase A pathway mediate ET-1 sensitization of TRPA1 channel: A molecular mechanism of ET-1-induced mechanical hyperalgesia. <i>Molecular Pain</i> , 2019 , 15, 1744806919842473	3.4	11
18	Menthol disrupts nicotine's psychostimulant properties in an age and sex-dependent manner in C57BL/6J mice. <i>Behavioural Brain Research</i> , 2017 , 334, 72-77	3.4	11
17	Cooling the Itch via TRPM8. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 1254-1256	4.3	11

16	Effects of Acetaminophen on Oxidant and Irritant Respiratory Tract Responses to Environmental Tobacco Smoke in Female Mice. <i>Environmental Health Perspectives</i> , 2016 , 124, 642-50	8.4	10
15	Activation of a nerve injury transcriptional signature in airway-innervating sensory neurons after lipopolysaccharide-induced lung inflammation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L953-L964	5.8	9
14	Presence of High-Intensity Sweeteners in Popular Cigarillos of Varying Flavor Profiles. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 320, 1380-1383	27.4	8
13	A Method to Target and Isolate Airway-innervating Sensory Neurons in Mice. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	5
12	Involvement of Transient Receptor Potential Cation Channel Member A1 activation in the irritation and pain response elicited by skin-lightening reagent hydroquinone. <i>Scientific Reports</i> , 2017 , 7, 7532	4.9	5
11	Trigeminal TRPs and the scent of pain. <i>Pain</i> , 2011 , 152, 4-5	8	5
10	Synthetic Cooling Agents in US-marketed E-cigarette Refill Liquids and Popular Disposable Cigarettes: Chemical Analysis and Risk Assessment.. <i>Nicotine and Tobacco Research</i> , 2022 ,	4.9	5
9	Turbocharged Juul device challenges European tobacco regulators. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	5
8	Ice flavours and non-menthol synthetic cooling agents in e-cigarette products: a review.. <i>Tobacco Control</i> , 2022 ,	5.3	4
7	Estimating Fluid Consumption Volumes in Electronic Cigarette Use-Reply. <i>JAMA Internal Medicine</i> , 2020 , 180, 468-469	11.5	2
6	TRPA1. <i>Frontiers in Neuroscience</i> , 2006 , 151-161		2
5	COVID-19: Urgent Reconsideration of Lung Edema as a Preventable Outcome: Inhibition of TRPV4 As a Promising and Feasible Approach. <i>SSRN Electronic Journal</i> , 2020 , 3558887	1	2
4	Enteroendocrine cells sense bacterial tryptophan catabolites to activate enteric and vagal neuronal pathways		2
3	Ankyrin-rich membrane spanning protein as a novel modulator of transient receptor potential vanilloid 1-function in nociceptive neurons. <i>European Journal of Pain</i> , 2017 , 21, 1072-1086	3.7	1
2	Protocol for non-invasive assessment of spontaneous movements of group-housed animals using remote video monitoring.. <i>STAR Protocols</i> , 2022 , 3, 101326	1.4	0
1	Tobacco industry's investment in sweetness comes full circle. <i>BMJ, The</i> , 2019 , 365, l2338	5.9	