

Jeffrey R Martens

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,338
citations

279798

23
h-index

302126

39
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43
all docs

43
docs citations

43
times ranked

2661
citing authors

#	ARTICLE	IF	CITATIONS
1	Ciliary entry of the kinesin-2 motor KIF17 is regulated by importin- β 2 and RanGTP. <i>Nature Cell Biology</i> , 2010, 12, 703-710.	10.3	260
2	Anosmia—A Clinical Review. <i>Chemical Senses</i> , 2017, 42, 513-523.	2.0	253
3	Ciliary Targeting of Olfactory CNG Channels Requires the CNGB1b Subunit and the Kinesin-2 Motor Protein, KIF17. <i>Current Biology</i> , 2006, 16, 1211-1216.	3.9	204
4	Direct evidence for BBSome-associated intraflagellar transport reveals distinct properties of native mammalian cilia. <i>Nature Communications</i> , 2014, 5, 5813.	12.8	149
5	Hypomorphic CEP290/NPHP6 mutations result in anosmia caused by the selective loss of G proteins in cilia of olfactory sensory neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15917-15922.	7.1	144
6	SUMO modification regulates inactivation of the voltage-gated potassium channel Kv1.5. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1805-1810.	7.1	131
7	Olfactory Cilia: Linking Sensory Cilia Function and Human Disease. <i>Chemical Senses</i> , 2009, 34, 451-464.	2.0	113
8	Gene therapy rescues cilia defects and restores olfactory function in a mammalian ciliopathy model. <i>Nature Medicine</i> , 2012, 18, 1423-1428.	30.7	103
9	Alterations in Rat Interlobar Artery Membrane Potential and K ⁺ Channels in Genetic and Nongenetic Hypertension. <i>Circulation Research</i> , 1996, 79, 295-301.	4.5	102
10	Functional Role of Lipid Raft Microdomains in Cyclic Nucleotide-Gated Channel Activation. <i>Molecular Pharmacology</i> , 2004, 65, 503-511.	2.3	80
11	Interplay between PIP3 and calmodulin regulation of olfactory cyclic nucleotide-gated channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15635-15640.	7.1	70
12	Chapter 12 Olfactory Cilia: Our Direct Neuronal Connection to the External World. <i>Current Topics in Developmental Biology</i> , 2008, 85, 333-370.	2.2	65
13	Induction of Ran GTP drives ciliogenesis. <i>Molecular Biology of the Cell</i> , 2011, 22, 4539-4548.	2.1	64
14	The retinitis pigmentosa protein RP2 interacts with polycystin 2 and regulates cilia-mediated vertebrate development. <i>Human Molecular Genetics</i> , 2010, 19, 4330-4344.	2.9	63
15	Primary Cilia on Horizontal Basal Cells Regulate Regeneration of the Olfactory Epithelium. <i>Journal of Neuroscience</i> , 2015, 35, 13761-13772.	3.6	54
16	Gene Therapeutic Reversal of Peripheral Olfactory Impairment in Bardet-Biedl Syndrome. <i>Molecular Therapy</i> , 2017, 25, 904-916.	8.2	41
17	Angiotensin IV receptor-mediated activation of lung endothelial NOS is associated with vasorelaxation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1998, 275, L1061-L1068.	2.9	34
18	Smelling the roses and seeing the light: gene therapy for ciliopathies. <i>Trends in Biotechnology</i> , 2013, 31, 355-363.	9.3	34

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19	PACS-1 Mediates Phosphorylation-Dependent Ciliary Trafficking of the Cyclic-Nucleotide-Gated Channel in Olfactory Sensory Neurons. <i>Journal of Neuroscience</i> , 2009, 29, 10541-10551.	3.6	32
20	Peripheral Gene Therapeutic Rescue of an Olfactory Ciliopathy Restores Sensory Input, Axonal Pathfinding, and Odor-Guided Behavior. <i>Journal of Neuroscience</i> , 2018, 38, 7462-7475.	3.6	32
21	Maturation of the Olfactory Sensory Neuron and Its Cilia. <i>Chemical Senses</i> , 2020, 45, 805-822.	2.0	32
22	Identifying Treatments for Taste and Smell Disorders: Gaps and Opportunities. <i>Chemical Senses</i> , 2020, 45, 493-502.	2.0	32
23	Angiotensin II Type 2 Receptor-Mediated Regulation of Rat Neuronal K ⁺ Channels. <i>Circulation Research</i> , 1996, 79, 302-309.	4.5	31
24	BBS4 is required for IFT coordination and basal body number in mammalian olfactory cilia. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	27
25	SUMOylation regulates ciliary localization of olfactory signaling proteins. <i>Journal of Cell Science</i> , 2015, 128, 1934-1945.	2.0	25
26	Angiotensin II Regulation of Intracellular Calcium in Astroglia Cultured from Rat Hypothalamus and Brainstem. <i>Journal of Neurochemistry</i> , 1996, 67, 996-1004.	3.9	24
27	Olfactory Loss and Dysfunction in Ciliopathies: Molecular Mechanisms and Potential Therapies. <i>Current Medicinal Chemistry</i> , 2019, 26, 3103-3119.	2.4	24
28	Promoter Methylation Analysis Reveals That <i>KCNA5</i> Ion Channel Silencing Supports Ewing Sarcoma Cell Proliferation. <i>Molecular Cancer Research</i> , 2016, 14, 26-34.	3.4	22
29	Mks6 mutations reveal tissue- and cell type-specific roles for the cilia transition zone. <i>FASEB Journal</i> , 2019, 33, 1440-1455.	0.5	19
30	INPP5E controls ciliary localization of phospholipids and the odor response in olfactory sensory neurons. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	19
31	Voltage-dependent chloride channels: Invertebrates to man. <i>The Journal of Experimental Zoology</i> , 1996, 275, 277-282.	1.4	14
32	Gene therapy rescues olfactory perception in a clinically relevant ciliopathy model of Bardet-Biedl syndrome. <i>FASEB Journal</i> , 2021, 35, e21766.	0.5	8
33	Inhibitory signaling in mammalian olfactory transduction potentially mediated by G _i o. <i>Molecular and Cellular Neurosciences</i> , 2021, 110, 103585.	2.2	8
34	Human spinal autografts of olfactory epithelial stem cells recapitulate donor site histology, maintaining proliferative and differentiation capacity many years after transplantation. <i>Acta Neuropathologica</i> , 2016, 131, 639-640.	7.7	6
35	Initial Characterization of a Subpopulation of Inherent Oscillatory Mammalian Olfactory Receptor Neurons. <i>Chemical Senses</i> , 2019, 44, 583-592.	2.0	4
36	Intranasal Delivery of Adenoviral and AAV Vectors for Transduction of the Mammalian Peripheral Olfactory System. <i>Methods in Molecular Biology</i> , 2019, 1950, 283-297.	0.9	4

#	ARTICLE	IF	CITATIONS
37	Photoactivatable Odorants for Chemosensory Research. ACS Chemical Biology, 2020, 15, 2516-2528.	3.4	4
38	Lifespan of mature olfactory sensory neurons varies with location in the mouse olfactory epithelium and age of the animal. Journal of Comparative Neurology, 2022, 530, 2238-2251.	1.6	3
39	Potential Therapeutic Targets for Olfactory Dysfunction in Ciliopathies Beyond Single-Gene Replacement. Chemical Senses, 2021, 46, .	2.0	2
40	Ciliary Trafficking of Transduction Molecules. , 2016, , 157-174.		1
41	The Role of Cilia in the Regulation of Olfactory Horizontal Basal Cells. FASEB Journal, 2015, 29, 1027.3.	0.5	0