

Joel D Mainland

List of Publications by Year in descending order

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papers

3,585
citations

257450

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330143

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49
all docs

49
docs citations

49
times ranked

3465
citing authors

#	ARTICLE	IF	CITATIONS
1	Examining the Influence of Chemosensation on Laryngeal Health and Disorders. <i>Journal of Voice</i> , 2023, 37, 234-244.	1.5	5
2	From musk to body odor: Decoding olfaction through genetic variation. <i>PLoS Genetics</i> , 2022, 18, e1009564.	3.5	5
3	A 3D transcriptomics atlas of the mouse nose sheds light on the anatomical logic of smell. <i>Cell Reports</i> , 2022, 38, 110547.	6.4	16
4	The perception of odor pleasantness is shared across cultures. <i>Current Biology</i> , 2022, 32, 2061-2066.e3.	3.9	33
5	Transport features predict if a molecule is odorous. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2116576119.	7.1	18
6	Deconstructing the mouse olfactory percept through an ethological atlas. <i>Current Biology</i> , 2021, 31, 2809-2818.e3.	3.9	9
7	Prevalence and correlates of parosmia and phantosmia among smell disorders. <i>Chemical Senses</i> , 2021, 46, .	2.0	33
8	Identifying Treatments for Taste and Smell Disorders: Gaps and Opportunities. <i>Chemical Senses</i> , 2020, 45, 493-502.	2.0	32
9	A transcriptomic atlas of mammalian olfactory mucosae reveals an evolutionary influence on food odor detection in humans. <i>Science Advances</i> , 2019, 5, eaax0396.	10.3	59
10	Sensory nutrition: The role of taste in the reviews of commercial food products. <i>Physiology and Behavior</i> , 2019, 209, 112579.	2.1	26
11	Competitive binding predicts nonlinear responses of olfactory receptors to complex mixtures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9598-9603.	7.1	59
12	Vapor detection and discrimination with a panel of odorant receptors. <i>Nature Communications</i> , 2018, 9, 4556.	12.8	58
13	Predicting human olfactory perception from chemical features of odor molecules. <i>Science</i> , 2017, 355, 820-826.	12.6	194
14	Anosmia—A Clinical Review. <i>Chemical Senses</i> , 2017, 42, 513-523.	2.0	253
15	Simplifying the Odor Landscape. <i>Chemical Senses</i> , 2017, 42, 177-179.	2.0	20
16	Variation in olfactory neuron repertoires is genetically controlled and environmentally modulated. <i>ELife</i> , 2017, 6, .	6.0	86
17	Human olfactory receptor responses to odorants. <i>Scientific Data</i> , 2015, 2, 150002.	5.3	102
18	High-throughput Analysis of Mammalian Olfactory Receptors: Measurement of Receptor Activation via Luciferase Activity. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	11

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19	The missense of smell: functional variability in the human odorant receptor repertoire. <i>Nature Neuroscience</i> , 2014, 17, 114-120.	14.8	269
20	From molecule to mind: an integrative perspective on odor intensity. <i>Trends in Neurosciences</i> , 2014, 37, 443-454.	8.6	98
21	Next-Generation Sequencing of the Human Olfactory Receptors. <i>Methods in Molecular Biology</i> , 2013, 1003, 133-147.	0.9	2
22	Functional Evolution of Mammalian Odorant Receptors. <i>PLoS Genetics</i> , 2012, 8, e1002821.	3.5	176
23	Genetic Variation in the Odorant Receptor OR2J3 Is Associated with the Ability to Detect the "Grassy" Smelling Odor, cis-3-hexen-1-ol. <i>Chemical Senses</i> , 2012, 37, 585-593.	2.0	110
24	Genetic Variation of an Odorant Receptor OR7D4 and Sensory Perception of Cooked Meat Containing Androstenone. <i>PLoS ONE</i> , 2012, 7, e35259.	2.5	64
25	Ramp Like Proteins. <i>Advances in Experimental Medicine and Biology</i> , 2012, 744, 75-86.	1.6	25
26	Taste Perception: How Sweet It Is (To Be Transcribed by You). <i>Current Biology</i> , 2009, 19, R655-R656.	3.9	13
27	Trafficking of Mammalian Chemosensory Receptors by Receptor-Transporting Proteins. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 153-156.	3.8	26
28	Odor Coding by a Mammalian Receptor Repertoire. <i>Science Signaling</i> , 2009, 2, ra9.	3.6	487
29	The Sniff Is Part of the Olfactory Percept. <i>Chemical Senses</i> , 2006, 31, 181-196.	2.0	317
30	Attentional modulation in human primary olfactory cortex. <i>Nature Neuroscience</i> , 2005, 8, 114-120.	14.8	241
31	Olfactory Impairments in Patients with Unilateral Cerebellar Lesions Are Selective to Inputs from the Contralateral Nostril. <i>Journal of Neuroscience</i> , 2005, 25, 6362-6371.	3.6	68
32	Olfactomotor activity during imagery mimics that during perception. <i>Nature Neuroscience</i> , 2003, 6, 1142-1144.	14.8	156
33	Sex-Steroid Derived Compounds Induce Sex-Specific Effects on Autonomic Nervous System Function in Humans. <i>Behavioral Neuroscience</i> , 2003, 117, 1125-1134.	1.2	77
34	The Prevalence of Androstenone Anosmia. <i>Chemical Senses</i> , 2003, 28, 423-432.	2.0	71
35	Rapid Olfactory Processing Implicates Subcortical Control of an Olfactomotor System. <i>Journal of Neurophysiology</i> , 2003, 90, 1084-1094.	1.8	137
36	One nostril knows what the other learns. <i>Nature</i> , 2002, 419, 802-802.	27.8	84

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37	Probing ion permeation and gating in a K ⁺ channel with backbone mutations in the selectivity filter. Nature Neuroscience, 2001, 4, 239-246.	14.8	123