

Stuart Firestein

List of Publications by Year in descending order

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39
papers

4,799
citations

218677

26
h-index

302126

39
g-index

44
all docs

44
docs citations

44
times ranked

3697
citing authors

#	ARTICLE	IF	CITATIONS
1	Widespread receptor-driven modulation in peripheral olfactory coding. <i>Science</i> , 2020, 368, .	12.6	98
2	Functional odor classification through a medicinal chemistry approach. <i>Science Advances</i> , 2018, 4, eaao6086.	10.3	40
3	Applying medicinal chemistry strategies to understand odorant discrimination. <i>Nature Communications</i> , 2016, 7, 11157.	12.8	25
4	Nonsensory target-dependent organization of piriform cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16931-16936.	7.1	61
5	The state of the art of odorant receptor deorphanization: A report from the orphanage. <i>Journal of General Physiology</i> , 2014, 143, 527-542.	1.9	81
6	Aldehyde Recognition and Discrimination by Mammalian Odorant Receptors via Functional Group-Specific Hydration Chemistry. <i>ACS Chemical Biology</i> , 2014, 9, 2563-2571.	3.4	19
7	Exuberant growth and synapse formation of olfactory sensory neuron axonal arborizations. <i>Journal of Comparative Neurology</i> , 2011, 519, 3713-3726.	1.6	18
8	Detection of explosives by olfactory sensory neurons. <i>Journal of Hazardous Materials</i> , 2010, 175, 1096-1100.	12.4	31
9	High-Throughput Microarray Detection of Vomeronasal Receptor Gene Expression in Rodents. <i>Frontiers in Neuroscience</i> , 2010, 4, 164.	2.8	19
10	Regeneration of New Neurons Is Preserved in Aged Vomeronasal Epithelia. <i>Journal of Neuroscience</i> , 2010, 30, 15686-15694.	3.6	43
11	Discrimination of Saturated Aldehydes by the Rat I7 Olfactory Receptor. <i>Biochemistry</i> , 2010, 49, 6302-6304.	2.5	31
12	Genomics of Olfactory Receptors. <i>Results and Problems in Cell Differentiation</i> , 2009, 47, 239-255.	0.7	31
13	Sequential onset of presynaptic molecules during olfactory sensory neuron maturation. <i>Journal of Comparative Neurology</i> , 2009, 516, 187-198.	1.6	18
14	Olfactory behavior and physiology are disrupted in prion protein knockout mice. <i>Nature Neuroscience</i> , 2009, 12, 60-69.	14.8	101
15	How the olfactory bulb got its glomeruli: a just so story?. <i>Nature Reviews Neuroscience</i> , 2009, 10, 611-618.	10.2	78
16	Symposium Overview. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 161-163.	3.8	2
17	Expression and localization of the prion protein PrP ^C in the olfactory system of the mouse. <i>Journal of Comparative Neurology</i> , 2008, 508, 487-499.	1.6	25
18	The Importance of Odorant Conformation to the Binding and Activation of a Representative Olfactory Receptor. <i>Chemistry and Biology</i> , 2008, 15, 1317-1327.	6.0	56

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19	Current views on odour receptors. <i>Nature</i> , 2008, 452, 944-944.	27.8	8
20	Selective Gene Expression by Postnatal Electroporation during Olfactory Interneuron Neurogenesis. <i>PLoS ONE</i> , 2008, 3, e1517.	2.5	45
21	Comparative genomics of odorant and pheromone receptor genes in rodents. <i>Genomics</i> , 2007, 89, 441-450.	2.9	115
22	Adrenergic Enhancement of Inhibitory Transmission in the Accessory Olfactory Bulb. <i>Journal of Neuroscience</i> , 2006, 26, 3292-3298.	3.6	53
23	Selective activation of G-protein coupled receptors by volatile anesthetics. <i>Molecular and Cellular Neurosciences</i> , 2005, 30, 506-512.	2.2	20
24	The scents of androstenone in humans. <i>Journal of Physiology</i> , 2004, 554, 1-1.	2.9	7
25	A pharmacological profile of the aldehyde receptor repertoire in rat olfactory epithelium. <i>Journal of Physiology</i> , 2004, 555, 743-756.	2.9	136
26	Odorant receptor expression in the mouse cerebral cortex. <i>Journal of Neurobiology</i> , 2004, 58, 315-327.	3.6	54
27	A Code in the Nose. <i>Science Signaling</i> , 2004, 2004, pe15-pe15.	3.6	26
28	Odorant and vomeronasal receptor genes in two mouse genome assemblies. <i>Genomics</i> , 2004, 83, 802-811.	2.9	149
29	Intracellular trafficking of a tagged and functional mammalian olfactory receptor. <i>Journal of Neurobiology</i> , 2002, 50, 56-68.	3.6	34
30	Expression pattern of γ CaMKII in the mouse main olfactory bulb. <i>Journal of Comparative Neurology</i> , 2002, 443, 226-236.	1.6	43
31	The olfactory receptor gene superfamily of the mouse. <i>Nature Neuroscience</i> , 2002, 5, 124-133.	14.8	799
32	How the olfactory system makes sense of scents. <i>Nature</i> , 2001, 413, 211-218.	27.8	1,043
33	Adenoviral vector-mediated rescue of the OMP-null phenotype in vivo. <i>Nature Neuroscience</i> , 2000, 3, 1113-1120.	14.8	72
34	The molecular receptive range of an odorant receptor. <i>Nature Neuroscience</i> , 2000, 3, 1248-1255.	14.8	479
35	Functional Expression of a Mammalian Odorant Receptor. <i>Science</i> , 1998, 279, 237-242.	12.6	598
36	Adenovirus-mediated gene transfer in olfactory neurons in vivo. , 1996, 30, 521-530.		39

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37	Quantal-like current fluctuations induced by odorants in olfactory receptor cells. <i>Nature</i> , 1995, 373, 435-437.	27.8	91
38	Neurotransmitter antagonists block some odor responses in olfactory receptor neurons. <i>NeuroReport</i> , 1992, 3, 661-664.	1.2	27
39	Activation of the sensory current in salamander olfactory receptor neurons depends on a G protein-mediated cAMP second messenger system. <i>Neuron</i> , 1991, 6, 825-835.	8.1	179