Anna Menini

List of Publications by Year
in descending order

82	3,946	147801 31	128289 60
papers	citations	h-index	g-index

87	87	87	3186
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	More Than Smellâ€"COVID-19 Is Associated With Severe Impairment of Smell, Taste, and Chemesthesis. Chemical Senses, 2020, 45, 609-622.	2.0	375
2	Mechanism of odorant adaptation in the olfactory receptor cell. Nature, 1997, 385, 725-729.	27.8	333
3	From Pheromones to Behavior. Physiological Reviews, 2009, 89, 921-956.	28.8	291
4	TMEM16B induces chloride currents activated by calcium in mammalian cells. Pflugers Archiv European Journal of Physiology, 2009, 458, 1023-1038.	2.8	200
5	The relation between stimulus and response in olfactory receptor cells of the tiger salamander.. Journal of Physiology, 1993, 468, 1-10.	2.9	198
6	Transduction and adaptation in sensory receptor cells. Journal of Neuroscience, 1995, 15, 7757-7768.	3.6	145
7	Calcium signalling and regulation in olfactory neurons. Current Opinion in Neurobiology, 1999, 9, 419-426.	4.2	133
8	Kinetics of phototransduction in retinal rods of the newt Triturus cristatus.. Journal of Physiology, 1989, 419, 265-295.	2.9	128
9	Recent Smell Loss Is the Best Predictor of COVID-19 Among Individuals With Recent Respiratory Symptoms. Chemical Senses, 2021, 46, .	2.0	119
10	Bestrophin-2 is a candidate calcium-activated chloride channel involved in olfactory transduction. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12929-12934.	7.1	115
11	Six-Month Psychophysical Evaluation of Olfactory Dysfunction in Patients with COVID-19. Chemical Senses, 2021, 46, .	2.0	100
12	Quantal-like current fluctuations induced by odorants in olfactory receptor cells. Nature, 1995, 373, 435-437.	27.8	91
13	Blockage and permeation of divalent cations through the cyclic GMPâ€activated channel from tiger salamander retinal rods.. Journal of Physiology, 1991, 440, 189-206.	2.9	87
14	Cyclic nucleotide-gated ion channels in sensory transduction. FEBS Letters, 2006, 580, 2853-2859.	2.8	87
15	Currents carried by monovalent cations through cyclic GMP-activated channels in excised patches from salamander rods.. Journal of Physiology, 1990, 424, 167-185.	2.9	71
16	Temporal Development of Cyclic Nucleotide-Gated and Ca2+-Activated Clâ^' Currents in Isolated Mouse Olfactory Sensory Neurons. Journal of Neurophysiology, 2007, 98, 153-160.	1.8	62
17	Calcium concentration jumps reveal dynamic ion selectivity of calcium-activated chloride currents in mouse olfactory sensory neurons and TMEM16b-transfected HEK 293T cells. Journal of Physiology, 2010, 588, 4189-4204.	2.9	61
18	Fast Adaptation in Mouse Olfactory Sensory Neurons Does Not Require the Activity of Phosphodiesterase. Journal of General Physiology, 2006, 128, 171-184.	1.9	55

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19	The permeability of the cGMP-activated channel to organic cations in retinal rods of the tiger salamander.. Journal of Physiology, 1993, 460, 741-758.	2.9	53
20	Calcium-activated chloride channels in the apical region of mouse vomeronasal sensory neurons. Journal of General Physiology, 2012, 140, 3-15.	1.9	50
21	The Ca2+-activated Clâ˜ channel TMEM16B regulates action potential firing and axonal targeting in olfactory sensory neurons. Journal of General Physiology, 2016, 148, 293-311.	1.9	49
22	Anoctamin 2/TMEM16B: a calciumâ€activated chloride channel in olfactory transduction. Experimental Physiology, 2012, 97, 193-199.	2.0	48
23	Cyclic nucleotide-gated channels in visual and olfactory transduction. Biophysical Chemistry, 1995, 55, 185-196.	2.8	45
24	Olfaction: From Odorant Molecules to the Olfactory Cortex. Physiology, 2004, 19, 101-104.	3.1	45
25	Calciumâ€activated chloride currents in olfactory sensory neurons from mice lacking bestrophinâ€2. Journal of Physiology, 2009, 587, 4265-4279.	2.9	44
26	The long tale of the calcium activated Cl^{â˜}channels in olfactory transduction. Channels, 2017, 11, 399-414.	2.8	44
27	The ionic selectivity of the lightâ€sensitive current in isolated rods of the tiger salamander.. Journal of Physiology, 1988, 402, 279-300.	2.9	39
28	The voltage dependence of the TMEM16B/anoctamin2 calcium-activated chloride channel is modified by mutations in the first putative intracellular loop. Journal of General Physiology, 2012, 139, 285-294.	1.9	36
29	Circuit Formation and Function in the Olfactory Bulb of Mice with Reduced Spontaneous Afferent Activity. Journal of Neuroscience, 2015, 35, 146-160.	3.6	36
30	A Point Mutation in the Pore Region Alters Gating, Ca2+Blockage, and Permeation of Olfactory Cyclic Nucleotideâ€“Gated Channels. Journal of General Physiology, 2000, 116, 311-326.	1.9	33
31	Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels in Mouse Vomeronasal Sensory Neurons. Journal of Neurophysiology, 2008, 100, 576-586.	1.8	33
32	The modulation of the ionic selectivity of the lightâ€sensitive current in isolated rods of the tiger salamander.. Journal of Physiology, 1988, 406, 181-198.	2.9	32
33	TrkB Signaling Directs the Incorporation of Newly Generated Periglomerular Cells in the Adult Olfactory Bulb. Journal of Neuroscience, 2013, 33, 11464-11478.	3.6	32
34	Common dynamical features of sensory adaptation in photoreceptors and olfactory sensory neurons. Scientific Reports, 2013, 3, 1251.	3.3	32
35	Electrophysiological Properties and Modeling of Murine Vomeronasal Sensory Neurons in Acute Slice Preparations. Chemical Senses, 2006, 31, 425-435.	2.0	31
36	Interactions between permeation and gating in the TMEM16B/anoctamin2 calcium-activated chloride channel. Journal of General Physiology, 2014, 143, 703-718.	1.9	31

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37	Alzheimerâ€™s Disease: What Can We Learn From the Peripheral Olfactory System?. Frontiers in Neuroscience, 2020, 14, 440.	2.8	30
38	Ligand specificity of odorant receptors. Journal of Molecular Modeling, 2007, 13, 401-409.	1.8	29
39	Whole-cell Recordings and Photolysis of Caged Compounds in Olfactory Sensory Neurons Isolated from the Mouse. Chemical Senses, 2003, 28, 705-716.	2.0	28
40	Conditional knockout of TMEM16A/anoctamin1 abolishes the calcium-activated chloride current in mouse vomeronasal sensory neurons. Journal of General Physiology, 2015, 145, 285-301.	1.9	28
41	Assessing the extent and timing of chemosensory impairments during COVID-19 pandemic. Scientific Reports, 2021, 11, 17504.	3.3	23
42	Signal Transduction in Vertebrate Olfactory Cilia. Frontiers in Neuroscience, 2009, , 203-224.	0.0	20
43	Effects of calcium on the gramicidin A single channel in phosphatidylserine membranes. European Biophysics Journal, 1987, 14, 369-74.	2.2	19
44	A Dynamical Feedback Model for Adaptation in the Olfactory Transduction Pathway. Biophysical Journal, 2012, 102, 2677-2686.	0.5	19
45	Developmental expression of the calciumâ€activated chloride channels TMEM16A and TMEM16B in the mouse olfactory epithelium. Developmental Neurobiology, 2014, 74, 657-675.	3.0	19
46	Multiple effects of anthracene-9-carboxylic acid on the TMEM16B/anoctamin2 calcium-activated chloride channel. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1005-1013.	2.6	19
47	Model of Phototransduction in Retinal Rods. Cold Spring Harbor Symposia on Quantitative Biology, 1990, 55, 563-573.	1.1	18
48	Responses to Sulfated Steroids of Female Mouse Vomeronasal Sensory Neurons. Chemical Senses, 2012, 37, 849-858.	2.0	18
49	Regulation of Bestrophins by Ca2+: A Theoretical and Experimental Study. PLoS ONE, 2009, 4, e4672.	2.5	18
50	Mechanisms of modulation by internal protons of cyclic nucleotideâ€“gated channels cloned from sensory receptor cells. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 1157-1165.	2.6	17
51	Transplanted Human Adipose Tissue-Derived Stem Cells Engraft and Induce Regeneration in Mice Olfactory Neuroepithelium in Response to Dichlobenil Subministration. Chemical Senses, 2014, 39, 617-629.	2.0	17
52	TMEM16A calcium-activated chloride currents in supporting cells of the mouse olfactory epithelium. Journal of General Physiology, 2019, 151, 954-966.	1.9	16
53	The cyclic AMP signaling pathway in the rodent main olfactory system. Cell and Tissue Research, 2021, 383, 429-443.	2.9	16
54	Sensory Adaptation to Chemical Cues by Vomeronasal Sensory Neurons. ENeuro, 2018, 5, ENEURO.0223-18.2018.	1.9	15

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55	The blocking effect of l-cis-diltiazem on the light-sensitive current of isolated rods of the tiger salamander. European Biophysics Journal, 1988, 16, 65-71.	2.2	14
56	Modulation by internal protons of native cyclic nucleotide-gated channels from retinal rods.. Journal of General Physiology, 1996, 108, 265-276.	1.9	13
57	Human Cord Blood CD133+ Stem Cells Transplanted to Nod-Scid Mice Provide Conditions for Regeneration of Olfactory Neuroepithelium After Permanent Damage Induced by Dichlobenil. Stem Cells, 2009, 27, 825-835.	3.2	13
58	Electroolfactogram Responses from Organotypic Cultures of the Olfactory Epithelium from Postnatal Mice. Chemical Senses, 2008, 33, 397-404.	2.0	12
59	Anion and Cation Permeability of the Mouse TMEM16F Calcium-Activated Channel. International Journal of Molecular Sciences, 2021, 22, 8578.	4.1	12
60	The smell of adrenaline. Nature Neuroscience, 1999, 2, 106-108.	14.8	11
61	Comprehensive Chemosensory Psychophysical Evaluation of Self-reported Gustatory Dysfunction in Patients With Long-term COVID-19. JAMA Otolaryngology - Head and Neck Surgery, 2022, 148, 281.	2.2	11
62	Voltage-activated current properties of male and female mouse vomeronasal sensory neurons: sexually dichotomous?. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2004, 190, 491-499.	1.6	10
63	Development of the Olfactory Epithelium and Nasal Glands in TMEM16A-/- and TMEM16A+/+ Mice. PLoS ONE, 2015, 10, e0129171.	2.5	10
64	Ionic selectivity, blockage and control of light-sensitive channels. Neuroscience Research Supplement: the Official Journal of the Japan Neuroscience Society, 1987, 6, S25-S44.	0.0	8
65	Bitter tastants and artificial sweeteners activate a subset of epithelial cells in acute tissue slices of the rat trachea. Scientific Reports, 2019, 9, 8834.	3.3	8
66	A Role for STOML3 in Olfactory Sensory Transduction. ENeuro, 2021, 8, ENEURO.0565-20.2021.	1.9	8
67	Functional expression of TMEM16A in taste bud cells. Journal of Physiology, 2021, 599, 3697-3714.	2.9	8
68	The Cellular Prion Protein Is Expressed in Olfactory Sensory Neurons of Adult Mice but Does Not Affect the Early Events of the Olfactory Transduction Pathway. Chemical Senses, 2011, 36, 791-797.	2.0	7
69	Assessment of the Olfactory Function in Italian Patients with Type 3 von Willebrand Disease Caused by a Homozygous 253 Kb Deletion Involving VWF and TMEM16B/ANO2. PLoS ONE, 2015, 10, e0116483.	2.5	7
70	A microcomputer-based system for data acquisition and analysis of step-like current jumps due to the opening of single ionic channels in model membranes. International Journal of Bio-medical Computing, 1986, 19, 9-22.	0.5	6
71	Flash Photolysis of Caged Compounds in the Cilia of Olfactory Sensory Neurons. Journal of Visualized Experiments, 2011, , e3195.	0.3	6
72	Slow Inactivation of Sodium Channels Contributes to Short-Term Adaptation in Vomeronasal Sensory Neurons. ENeuro, 2022, 9, ENEURO.0471-21.2022.	1.9	5

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73	Co-expression of wild-type and mutant olfactory cyclic nucleotide-gated channels: restoration of the native sensitivity to Ca2+ and Mg2+ blockage. NeuroReport, 2001, 12, 2363-2367.	1.2	4
74	TMEM16A and TMEM16B Modulate Pheromone-Evoked Action Potential Firing in Mouse Vomeronasal Sensory Neurons. ENeuro, 2021, 8, ENEURO.0179-21.2021.	1.9	4
75	Properties of Native and Cloned Cyclic Nucleotide Gated Channels from Bovine. , 1996, , 75-83.		4
76	Odorant Detection and Discrimination in the Olfactory System. Lecture Notes in Electrical Engineering, 2011, , 3-18.	0.4	4
77	Textured nanofibrils drive microglial phenotype. Biomaterials, 2020, 257, 120177.	11.4	3
78	New Whiffs About Chemesthesis. Focus on â€œTRPM5-Expressing Solitary Chemosensory Cells Respond to Odorous Irritantsâ€• Journal of Neurophysiology, 2008, 99, 1055-1056.	1.8	2
79	Paving the way for designing drugs targeting TMEM16A. Trends in Pharmacological Sciences, 2021, 42, 979-980.	8.7	1
80	Short- and long-term adaptation in olfactory transduction as a leaky integral feedback. , 2009, , .		0
81	Responses of Isolated Olfactory Sensory Neurons to Odorants. , 1998, , 85-93.		0
82	Conditional knockout of TMEM16A/anoctamin1 abolishes the calcium-activated chloride current in mouse vomeronasal sensory neurons. Journal of Experimental Medicine, 2015, 212, 2125OIA23.	8.5	0