Anna Menini

List of Publications by Year
in descending order

82 papers	3,946 citations	147801 31 h-index	128289 60 g-index
87 all docs	87 docs citations	87 times ranked	3186 citing authors

#	Article	IF	Citations
1	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
2	Slow Inactivation of Sodium Channels Contributes to Short-Term Adaptation in Vomeronasal Sensory Neurons. ENeuro, 2022, 9, ENEURO.0471-21.2022.	1.9	5
3	The cyclic AMP signaling pathway in the rodent main olfactory system. Cell and Tissue Research, 2021, 383, 429-443.	2.9	16
4	Six-Month Psychophysical Evaluation of Olfactory Dysfunction in Patients with COVID-19. Chemical Senses, 2021, 46, .	2.0	100
5	A Role for STOML3 in Olfactory Sensory Transduction. ENeuro, 2021, 8, ENEURO.0565-20.2021.	1.9	8
6	Functional expression of TMEM16A in taste bud cells. Journal of Physiology, 2021, 599, 3697-3714.	2.9	8
7	TMEM16A and TMEM16B Modulate Pheromone-Evoked Action Potential Firing in Mouse Vomeronasal Sensory Neurons. ENeuro, 2021, 8, ENEURO.0179-21.2021.	1.9	4
8	Anion and Cation Permeability of the Mouse TMEM16F Calcium-Activated Channel. International Journal of Molecular Sciences, 2021, 22, 8578.	4.1	12
9	Assessing the extent and timing of chemosensory impairments during COVID-19 pandemic. Scientific Reports, 2021, 11, 17504.	3.3	23
10	Recent Smell Loss Is the Best Predictor of COVID-19 Among Individuals With Recent Respiratory Symptoms. Chemical Senses, 2021, 46, .	2.0	119
11	Paving the way for designing drugs targeting TMEM16A. Trends in Pharmacological Sciences, 2021, 42, 979-980.	8.7	1
12	Alzheimerâ€™s Disease: What Can We Learn From the Peripheral Olfactory System?. Frontiers in Neuroscience, 2020, 14, 440.	2.8	30
13	More Than Smellâ€”COVID-19 Is Associated With Severe Impairment of Smell, Taste, and Chemesthesis. Chemical Senses, 2020, 45, 609-622.	2.0	375
14	Textured nanofibrils drive microglial phenotype. Biomaterials, 2020, 257, 120177.	11.4	3
15	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
16	TMEM16A calcium-activated chloride currents in supporting cells of the mouse olfactory epithelium. Journal of General Physiology, 2019, 151, 954-966.	1.9	16
17	Sensory Adaptation to Chemical Cues by Vomeronasal Sensory Neurons. ENeuro, 2018, 5, ENEURO.0223-18.2018.	1.9	15
18	The long tale of the calcium activated Cl^{âˆ’}channels in olfactory transduction. Channels, 2017, 11, 399-414.	2.8	44

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19	The Ca2+-activated Clâˆ' channel TMEM16B regulates action potential firing and axonal targeting in olfactory sensory neurons. Journal of General Physiology, 2016, 148, 293-311.	1.9	49
20	Development of the Olfactory Epithelium and Nasal Glands in TMEM16A-/- and TMEM16A+/+ Mice. PLoS ONE, 2015, 10, e0129171.	2.5	10
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	Interactions between permeation and gating in the TMEM16B/anoctamin2 calcium-activated chloride channel. Journal of General Physiology, 2014, 143, 703-718.	1.9	31
29	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
30	Common dynamical features of sensory adaptation in photoreceptors and olfactory sensory neurons. Scientific Reports, 2013, 3, 1251.	3.3	32
31	Calcium-activated chloride channels in the apical region of mouse vomeronasal sensory neurons. Journal of General Physiology, 2012, 140, 3-15.	1.9	50
32	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
33	Responses to Sulfated Steroids of Female Mouse Vomeronasal Sensory Neurons. Chemical Senses, 2012, 37, 849-858.	2.0	18
34	Anoctamin 2/TMEM16B: a calciumâ€activated chloride channel in olfactory transduction. Experimental Physiology, 2012, 97, 193-199.	2.0	48
35	A Dynamical Feedback Model for Adaptation in the Olfactory Transduction Pathway. Biophysical Journal, 2012, 102, 2677-2686.	0.5	19
36	Flash Photolysis of Caged Compounds in the Cilia of Olfactory Sensory Neurons. Journal of Visualized Experiments, 2011, , e3195.	0.3	6

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37	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
38	Odorant Detection and Discrimination in the Olfactory System. Lecture Notes in Electrical Engineering, 2011, , 3-18.	0.4	4
39	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
40	Short- and long-term adaptation in olfactory transduction as a leaky integral feedback. , 2009, , .		0
41	From Pheromones to Behavior. Physiological Reviews, 2009, 89, 921-956.	28.8	291
42	TMEM16B induces chloride currents activated by calcium in mammalian cells. Pflugers Archiv European Journal of Physiology, 2009, 458, 1023-1038.	2.8	200
43	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
44	Calciumâ€activated chloride currents in olfactory sensory neurons from mice lacking bestrophinâ€2. Journal of Physiology, 2009, 587, 4265-4279.	2.9	44
45	Signal Transduction in Vertebrate Olfactory Cilia. Frontiers in Neuroscience, 2009, , 203-224.	0.0	20
46	Regulation of Bestrophins by Ca2+: A Theoretical and Experimental Study. PLoS ONE, 2009, 4, e4672.	2.5	18
47	Electroolfactogram Responses from Organotypic Cultures of the Olfactory Epithelium from Postnatal Mice. Chemical Senses, 2008, 33, 397-404.	2.0	12
48	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
49	Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels in Mouse Vomeronasal Sensory Neurons. Journal of Neurophysiology, 2008, 100, 576-586.	1.8	33
50	Temporal Development of Cyclic Nucleotide-Gated and Ca2+-Activated Clâˆ' Currents in Isolated Mouse Olfactory Sensory Neurons. Journal of Neurophysiology, 2007, 98, 153-160.	1.8	62
51	Ligand specificity of odorant receptors. Journal of Molecular Modeling, 2007, 13, 401-409.	1.8	29
52	Cyclic nucleotide-gated ion channels in sensory transduction. FEBS Letters, 2006, 580, 2853-2859.	2.8	87
53	Electrophysiological Properties and Modeling of Murine Vomeronasal Sensory Neurons in Acute Slice Preparations. Chemical Senses, 2006, 31, 425-435.	2.0	31
54	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

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55	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
56	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
57	Olfaction: From Odorant Molecules to the Olfactory Cortex. Physiology, 2004, 19, 101-104.	3.1	45
58	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
59	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
60	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
61	The smell of adrenaline. Nature Neuroscience, 1999, 2, 106-108.	14.8	11
62	Calcium signalling and regulation in olfactory neurons. Current Opinion in Neurobiology, 1999, 9, 419-426.	4.2	133
63	Responses of Isolated Olfactory Sensory Neurons to Odorants. , 1998, , 85-93.		0
64	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
65	Mechanism of odorant adaptation in the olfactory receptor cell. Nature, 1997, 385, 725-729.	27.8	333
66	Modulation by internal protons of native cyclic nucleotide-gated channels from retinal rods.. Journal of General Physiology, 1996, 108, 265-276.	1.9	13
67	Properties of Native and Cloned Cyclic Nucleotide Gated Channels from Bovine. , 1996, , 75-83.		4
68	Quantal-like current fluctuations induced by odorants in olfactory receptor cells. Nature, 1995, 373, 435-437.	27.8	91
69	Cyclic nucleotide-gated channels in visual and olfactory transduction. Biophysical Chemistry, 1995, 55, 185-196.	2.8	45
70	Transduction and adaptation in sensory receptor cells. Journal of Neuroscience, 1995, 15, 7757-7768.	3.6	145
71	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
72	The relation between stimulus and response in olfactory receptor cells of the tiger salamander.. Journal of Physiology, 1993, 468, 1-10.	2.9	198

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73	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
74	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
75	Model of Phototransduction in Retinal Rods. Cold Spring Harbor Symposia on Quantitative Biology, 1990, 55, 563-573.	1.1	18
76	Kinetics of phototransduction in retinal rods of the newt Triturus cristatus.. Journal of Physiology, 1989, 419, 265-295.	2.9	128
77	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
78	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
79	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
80	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
81	Effects of calcium on the gramicidin A single channel in phosphatidylserine membranes. European Biophysics Journal, 1987, 14, 369-74.	2.2	19
82	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