

Patricia M Di Lorenzo

List of Publications by Year in descending order

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44
papers

1,301
citations

304743

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h-index

361022

35
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all docs

49
docs citations

49
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Taste Response Variability and Temporal Coding in the Nucleus of the Solitary Tract of the Rat. Journal of Neurophysiology, 2003, 90, 1418-1431.	1.8	135
2	Neural and behavioral responsivity to ethyl alcohol as a tastant. Alcohol, 1986, 3, 55-61.	1.7	102
3	Quality Time: Representation of a Multidimensional Sensory Domain through Temporal Coding. Journal of Neuroscience, 2009, 29, 9227-9238.	3.6	62
4	Recognizing Taste: Coding Patterns Along the Neural Axis in Mammals. Chemical Senses, 2019, 44, 237-247.	2.0	58
5	Taste Coding in the Nucleus of the Solitary Tract of the Awake, Freely Licking Rat. Journal of Neuroscience, 2012, 32, 10494-10506.	3.6	56
6	Variability in Responses and Temporal Coding of Tastants of Similar Quality in the Nucleus of the Solitary Tract of the Rat. Journal of Neurophysiology, 2008, 99, 644-655.	1.8	55
7	Temporal coding in the gustatory system. Neuroscience and Biobehavioral Reviews, 2006, 30, 1145-1160.	6.1	52
8	Corticofugal influence on taste responses in the parabrachial pons of the rat. Brain Research, 1990, 530, 73-84.	2.2	50
9	Taste responses in the parabrachial pons of male, female and pregnant rats. Brain Research Bulletin, 1989, 23, 219-227.	3.0	49
10	Water as an Independent Taste Modality. Frontiers in Neuroscience, 2010, 4, 175.	2.8	44
11	Odor-Taste Convergence in the Nucleus of the Solitary Tract of the Awake Freely Licking Rat. Journal of Neuroscience, 2015, 35, 6284-6297.	3.6	44
12	The neural code for taste in the brain stem. Physiology and Behavior, 2000, 69, 87-96.	2.1	40
13	Perceptual consequences of electrical stimulation in the gustatory system.. Behavioral Neuroscience, 1993, 107, 130-138.	1.2	38
14	Transfer of information about taste from the nucleus of the solitary tract to the parabrachial nucleus of the pons. Brain Research, 1997, 763, 167-181.	2.2	36
15	Olfactory responses in the gustatory area of the parabrachial pons. Brain Research Bulletin, 1985, 15, 673-676.	3.0	33
16	The neural code for taste in the nucleus of the solitary tract of the rat: effects of adaptation. Brain Research, 2000, 852, 383-397.	2.2	33
17	Temporal Coding of Sensation: Mimicking Taste Quality With Electrical Stimulation of the Brain.. Behavioral Neuroscience, 2003, 117, 1423-1433.	1.2	33
18	Temporal coding of taste in the parabrachial nucleus of the pons of the rat. Journal of Neurophysiology, 2011, 105, 1889-1896.	1.8	32

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19	Dynamic Coding of Taste Stimuli in the Brainstem: Effects of Brief Pulses of Taste Stimuli on Subsequent Taste Responses. <i>Journal of Neuroscience</i> , 2003, 23, 8893-8902.	3.6	28
20	Taste and odor preferences following Roux-en-Y surgery in humans. <i>PLoS ONE</i> , 2018, 13, e0199508.	2.5	27
21	Temporal Coding of Intensity of NaCl and HCl in the Nucleus of the Solitary Tract of the Rat. <i>Journal of Neurophysiology</i> , 2011, 105, 697-711.	1.8	26
22	Taste coding in the parabrachial nucleus of the pons in awake, freely licking rats and comparison with the nucleus of the solitary tract. <i>Journal of Neurophysiology</i> , 2014, 111, 1655-1670.	1.8	26
23	Consumption of a high energy density diet triggers microbiota dysbiosis, hepatic lipidosis, and microglia activation in the nucleus of the solitary tract in rats. <i>Nutrition and Diabetes</i> , 2020, 10, 20.	3.2	24
24	Taste Responses in the Nucleus of the Solitary Tract of Awake Obese Rats Are Blunted Compared With Those in Lean Rats. <i>Frontiers in Integrative Neuroscience</i> , 2019, 13, 35.	2.1	22
25	Neural Coding Mechanisms for Flow Rate in Taste-Responsive Cells in the Nucleus of the Solitary Tract of the Rat. <i>Journal of Neurophysiology</i> , 2007, 97, 1857-1861.	1.8	21
26	Responses to Binary Taste Mixtures in the Nucleus of the Solitary Tract: Neural Coding With Firing Rate. <i>Journal of Neurophysiology</i> , 2008, 99, 2144-2157.	1.8	20
27	Making time count: Functional evidence for temporal coding of taste sensation.. <i>Behavioral Neuroscience</i> , 2009, 123, 14-25.	1.2	19
28	Taste coding of complex naturalistic taste stimuli and traditional taste stimuli in the parabrachial pons of the awake, freely licking rat. <i>Journal of Neurophysiology</i> , 2016, 116, 171-182.	1.8	19
29	Not so fast: taste stimulus coding time in the rat revisited. <i>Frontiers in Integrative Neuroscience</i> , 2012, 6, 27.	2.1	18
30	Information Processing in the Parabrachial Nucleus of the Pons. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 365-371.	3.8	16
31	Heterogeneity of neuronal responses in the nucleus of the solitary tract suggests sensorimotor integration in the neural code for taste. <i>Journal of Neurophysiology</i> , 2019, 121, 634-645.	1.8	14
32	Two types of inhibitory influences target different groups of taste-responsive cells in the nucleus of the solitary tract of the rat. <i>Brain Research</i> , 2009, 1275, 24-32.	2.2	10
33	Neural coding of taste by simultaneously recorded cells in the nucleus of the solitary tract of the rat. <i>Journal of Neurophysiology</i> , 2012, 108, 3301-3312.	1.8	9
34	Taste-Specific Cell Assemblies in a Biologically Informed Model of the Nucleus of the Solitary Tract. <i>Journal of Neurophysiology</i> , 2010, 104, 4-17.	1.8	8
35	Spontaneous Changes in Taste Sensitivity of Single Units Recorded over Consecutive Days in the Brainstem of the Awake Rat. <i>PLoS ONE</i> , 2016, 11, e0160143.	2.5	8
36	Sprague Dawley Rats Gaining Weight on a High Energy Diet Exhibit Damage to Taste Tissue Even after Return to a Healthy Diet. <i>Nutrients</i> , 2021, 13, 3062.	4.1	7

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37	Neural Coding of Food Is a Multisensory, Sensorimotor Function. <i>Nutrients</i> , 2021, 13, 398.	4.1	6
38	Taste in the brain is encoded by sensorimotor state changes. <i>Current Opinion in Physiology</i> , 2021, 20, 39-45.	1.8	5
39	Enhancing GABAergic Tone in the Rostral Nucleus of the Solitary Tract Reconfigures Sensorimotor Neural Activity. <i>Journal of Neuroscience</i> , 2021, 41, 489-501.	3.6	3
40	Roux's gastric bypass surgery triggers rapid DNA fragmentation in vagal afferent neurons in rats. <i>Acta Neurobiologiae Experimentalis</i> , 2019, 79, 432-444.	0.7	2
41	Stimulation of sodium channels in taste-receptor cells provides noise that enhances taste detection. <i>Neurocomputing</i> , 2000, 32-33, 121-126.	5.9	1
42	Information Processing in the Gustatory System. , 2014, , 783-796.		1
43	Basic tastes as cognitive concepts and taste coding as more than spatial. <i>Behavioral and Brain Sciences</i> , 2008, 31, 78-79.	0.7	0
44	Taste: A Scattered Affair. <i>Current Biology</i> , 2021, 31, R74-R76.	3.9	0