

# Patricia Duchamp-Viret

## List of Publications by Year in descending order

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41  
papers

1,713  
citations

331670

21  
h-index

434195

31  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Odor Response Properties of Rat Olfactory Receptor Neurons. <i>Science</i> , 1999, 284, 2171-2174.	12.6	262
2	Competitive and Noncompetitive Odorant Interactions in the Early Neural Coding of Odorant Mixtures. <i>Journal of Neuroscience</i> , 2008, 28, 2659-2666.	3.6	153
3	Single olfactory sensory neurons simultaneously integrate the components of an odour mixture. <i>European Journal of Neuroscience</i> , 2003, 18, 2690-2696.	2.6	140
4	Peripheral Odor Coding in the Rat and Frog: Quality and Intensity Specification. <i>Journal of Neuroscience</i> , 2000, 20, 2383-2390.	3.6	132
5	Fasting increases and satiation decreases olfactory detection for a neutral odor in rats. <i>Behavioural Brain Research</i> , 2007, 179, 258-264.	2.2	130
6	Modulation of Spontaneous and Odorant-Evoked Activity of Rat Olfactory Sensory Neurons by Two Anorectic Peptides, Insulin and Leptin. <i>Journal of Neurophysiology</i> , 2009, 101, 2898-2906.	1.8	97
7	5-hydroxytryptamine action in the rat olfactory bulb: In vitro electrophysiological patch-clamp recordings of juxtglomerular and mitral cells. <i>Neuroscience</i> , 2005, 131, 717-731.	2.3	73
8	Spiking frequency versus odorant concentration in olfactory receptor neurons. <i>BioSystems</i> , 2000, 58, 133-141.	2.0	64
9	Relation between stimulus and response in frog olfactory receptor neurons in vivo. <i>European Journal of Neuroscience</i> , 2003, 18, 1135-1154.	2.6	64
10	Gabaergic control of odor-induced activity in the frog olfactory bulb: Electrophysiological study with picrotoxin and bicuculline. <i>Neuroscience</i> , 1993, 53, 111-120.	2.3	59
11	Orexin A Modulates Mitral Cell Activity in the Rat Olfactory Bulb: Patch-Clamp Study on Slices and Immunocytochemical Localization of Orexin Receptors. <i>Endocrinology</i> , 2005, 146, 4042-4053.	2.8	58
12	Odor processing in the frog olfactory system. <i>Progress in Neurobiology</i> , 1997, 53, 561-602.	5.7	56
13	Dopaminergic modulation of mitral cell activity in the frog olfactory bulb: a combined radioligand binding and electrophysiological study. <i>Neuroscience</i> , 1997, 79, 203-216.	2.3	50
14	Olfactory discrimination over a wide concentration range. Comparison of receptor cell and bulb neuron abilities. <i>Brain Research</i> , 1990, 517, 256-262.	2.2	45
15	Spontaneous activity of first- and second-order neurons in the frog olfactory system. <i>Brain Research</i> , 1994, 662, 31-44.	2.2	44
16	Patterns of spontaneous activity in single rat olfactory receptor neurons are different in normally breathing and tracheotomized animals. <i>Journal of Neurobiology</i> , 2005, 65, 97-114.	3.6	39
17	A wide concentration range olfactometer for delivery of short reproducible odor pulses. <i>Journal of Neuroscience Methods</i> , 1988, 24, 57-63.	2.5	34
18	Gabaergic control of odour-induced activity in the frog olfactory bulb: Possible gabaergic modulation of granule cell inhibitory action. <i>Neuroscience</i> , 1993, 56, 905-914.	2.3	32

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19	GABAB receptor-mediated inhibition of mitral/tufted cell activity in the rat olfactory bulb: a whole-cell patch-clamp study in vitro. <i>Neuroscience</i> , 2002, 111, 241-250.	2.3	29
20	Insulin modulates network activity in olfactory bulb slices: impact on odour processing. <i>Journal of Physiology</i> , 2014, 592, 2751-2769.	2.9	28
21	Odorant-odorant metabolic interaction, a novel actor in olfactory perception and behavioral responsiveness. <i>Scientific Reports</i> , 2017, 7, 10219.	3.3	25
22	Odor coding properties of frog olfactory cortical neurons. <i>Neuroscience</i> , 1996, 74, 885-895.	2.3	24
23	GABAB-mediated action in the frog olfactory bulb makes odor responses more salient. <i>Neuroscience</i> , 2000, 97, 771-777.	2.3	21
24	Temporal aspects of information processing in the first two stages of the frog olfactory system: influence of stimulus intensity. <i>Chemical Senses</i> , 1990, 15, 349-365.	2.0	20
25	The orexin component of fasting triggers memory processes underlying conditioned food selection in the rat. <i>Learning and Memory</i> , 2014, 21, 185-189.	1.3	10
26	Sensory information processing in the frog olfactory pathways. Experimental basis for modeling studies. <i>BioSystems</i> , 1998, 48, 37-45.	2.0	5
27	Responses of single neurons and neuronal ensembles in frog first- and second-order olfactory neurons. <i>Brain Research</i> , 2013, 1536, 144-158.	2.2	5
28	Characterizing and modeling concentration-response curves of olfactory receptor cells. <i>Neurocomputing</i> , 2001, 38-40, 319-325.	5.9	4
29	Brief olfactory learning drives perceptive sensitivity in newborn rabbits: New insights in peripheral processing of odor mixtures and induction. <i>Physiology and Behavior</i> , 2021, 229, 113217.	2.1	4
30	In Vivo Electrophysiological Recordings of Olfactory Receptor Neuron Units and Electro-olfactograms in Anesthetized Rats. <i>Methods in Molecular Biology</i> , 2018, 1820, 123-135.	0.9	3
31	The speed of learning instructed stimulus-response association rules in human: Experimental data and model. <i>Brain Research</i> , 2013, 1536, 2-15.	2.2	2
32	And what about basic odors?. <i>Behavioral and Brain Sciences</i> , 2008, 31, 87-88.	0.7	0
33	Olfactory perception and integration. , 2016, , 57-100.		0
34	Metabolic status and olfactory function. , 2016, , 315-335.		0
35	Fasting Influences Conditioned Memory for Food Preference Through the Orexin System: Hypothesis Gained from Studies in the Rat. , 2018, , 1-15.		0
36	Recordings from Olfactory Receptor Neurons in the Rat. <i>Frontiers in Neuroscience</i> , 2001, , .	0.0	0

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37	Hunger increases memory for conditioned food aversion: role of central Orexin. <i>Frontiers in Behavioral Neuroscience</i> , 0, 3, .	2.0	0
38	Single Cell Activities and the Olfactory Code. , 1990, , 235-246.		0
39	Fasting Influences Conditioned Memory for Food Preference Through the Orexin System: Hypothesis Gained from Studies in the Rat. , 2019, , 2203-2217.		0
40	Protocol of controlled odorant stimulation for reducing apnoeic episodes in premature newborns: a randomised open-label Latin-square study with independent evaluation of the main endpoint (PREMODEUR). <i>BMJ Open</i> , 2021, 11, e047141.	1.9	0
41	Protocol of controlled odorant stimulation for reducing apnoeic episodes in premature newborns: a randomised open-label Latin-square study with independent evaluation of the main endpoint (PREMODEUR). <i>BMJ Open</i> , 2021, 11, e047141.	1.9	0