

# Nadine Ravel

## List of Publications by Year in descending order

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41  
papers

1,930  
citations

218677

26  
h-index

330143

37  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1256  
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning Modulation of Odor-Induced Oscillatory Responses in the Rat Olfactory Bulb: A Correlate of Odor Recognition?. <i>Journal of Neuroscience</i> , 2004, 24, 389-397.	3.6	174
2	Olfactory learning modifies the expression of odour-induced oscillatory responses in the gamma (60-90â€fHz) and beta (15-40â€fHz) bands in the rat olfactory bulb. <i>European Journal of Neuroscience</i> , 2003, 17, 350-358.	2.6	142
3	Learning-induced oscillatory activities correlated to odour recognition: a network activity. <i>European Journal of Neuroscience</i> , 2006, 23, 1801-1810.	2.6	138
4	Scopolamine injection into the olfactory bulb impairs short-term olfactory memory in rats.. <i>Behavioral Neuroscience</i> , 1994, 108, 317-324.	1.2	116
5	Neurogenic correlates of an olfactory discrimination task in the adult olfactory bulb. <i>European Journal of Neuroscience</i> , 2006, 24, 3578-3588.	2.6	97
6	Beta and gamma oscillatory activities associated with olfactory memory tasks: different rhythms for different functional networks?. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 218.	2.0	94
7	Modular structure of functional networks in olfactory memory. <i>NeuroImage</i> , 2014, 95, 264-275.	4.2	77
8	Exposure to Behaviourally Relevant Odour Reveals Differential Characteristics in Rat Central Olfactory Pathways as Studied through Oscillatory Activities. <i>Chemical Senses</i> , 2000, 25, 561-573.	2.0	69
9	Recombination processes in erbium-doped MBE silicon. <i>Semiconductor Science and Technology</i> , 1993, 8, 236-242.	2.0	68
10	Cholinergic modulation of excitability in the rat olfactory bulb: Effect of local application of cholinergic agents on evoked field potentials. <i>Neuroscience</i> , 1991, 45, 653-662.	2.3	66
11	Scopolamine impairs delayed matching in an olfactory task in rats. <i>Psychopharmacology</i> , 1992, 109, 439-443.	3.1	64
12	Scopolamine injection into the olfactory bulb impairs short-term olfactory memory in rats.. <i>Behavioral Neuroscience</i> , 1994, 108, 317-324.	1.2	62
13	The Way an Odor Is Experienced during Aversive Conditioning Determines the Extent of the Network Recruited during Retrieval: A Multisite Electrophysiological Study in Rats. <i>Journal of Neuroscience</i> , 2009, 29, 10287-10298.	3.6	59
14	Olfactory memory networks: from emotional learning to social behaviors. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 36.	2.0	59
15	Topography of centrifugal acetylcholinesterase-positive fibres in the olfactory bulb of the rat: Evidence for original projections in atypical glomeruli. <i>Neuroscience</i> , 1987, 23, 1083-1093.	2.3	58
16	Learning-induced modulation of oscillatory activities in the mammalian olfactory system: The role of the centrifugal fibres. <i>Journal of Physiology (Paris)</i> , 2004, 98, 467-478.	2.1	58
17	Functional coupling in rat central olfactory pathways: a coherence analysis. <i>Neuroscience Letters</i> , 1999, 276, 17-20.	2.1	44
18	The effect of acetylcholine on rat olfactory bulb unit activity. <i>Brain Research Bulletin</i> , 1990, 24, 151-155.	3.0	42

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19	A study of the effects of noradrenaline in the rat olfactory bulb using evoked field potential response. <i>Brain Research</i> , 1995, 681, 47-57.	2.2	42
20	What do electrophysiological studies tell us about processing at the olfactory bulb level?. <i>Journal of Physiology (Paris)</i> , 2007, 101, 40-45.	2.1	36
21	Respiratory patterning of the rat olfactory bulb unit activity: Nasal versus tracheal breathing. <i>Neuroscience Letters</i> , 1990, 115, 213-218.	2.1	33
22	Importance of retronasal and orthonasal olfaction for odor aversion memory in rats.. <i>Behavioral Neuroscience</i> , 2007, 121, 1383-1392.	1.2	33
23	Scopolamine impairs the ability of parturient ewes to learn to recognise their lambs. <i>Psychopharmacology</i> , 1997, 129, 85-90.	3.1	31
24	Extensive immunolesions of basal forebrain cholinergic system impair offspring recognition in sheep. <i>Neuroscience</i> , 2001, 106, 103-116.	2.3	31
25	A centrifugal respiratory modulation of olfactory bulb unit activity: a study on acute rat preparation. <i>Experimental Brain Research</i> , 1987, 65, 623-8.	1.5	27
26	fMRI visualization of transient activations in the rat olfactory bulb using short odor stimulations. <i>NeuroImage</i> , 2007, 36, 1288-1293.	4.2	27
27	Critical role of insular cortex in taste but not odour aversion memory. <i>European Journal of Neuroscience</i> , 2009, 29, 1654-1662.	2.6	27
28	Lateralization of olfactory processing: Differential impact of right and left temporal lobe epilepsies. <i>Epilepsy and Behavior</i> , 2014, 37, 184-190.	1.7	22
29	Memory of Occasional Events in Rats: Individual Episodic Memory Profiles, Flexibility, and Neural Substrate. <i>Journal of Neuroscience</i> , 2015, 35, 7575-7586.	3.6	22
30	Spatiotemporal distribution of a late synchronized activity in olfactory pathways following stimulation of the olfactory bulb in rats. <i>European Journal of Neuroscience</i> , 1998, 10, 1128-1135.	2.6	20
31	A novel experimental approach to episodic memory in humans based on the privileged access of odors to memories. <i>Journal of Neuroscience Methods</i> , 2013, 213, 22-31.	2.5	18
32	A unique memory process modulated by emotion underpins successful odor recognition and episodic retrieval in humans. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 203.	2.0	16
33	Critical role of insular cortex in taste but not odour aversion memory. <i>European Journal of Neuroscience</i> , 2009, 29, 2435-2435.	2.6	14
34	Activity in the rat olfactory cortex is correlated with behavioral response to odor: a microPET study. <i>Brain Structure and Function</i> , 2017, 222, 577-586.	2.3	14
35	Design of a Two-Channel NMR Coil Using an Impedance Transformation Approach. <i>IEEE Sensors Journal</i> , 2012, 12, 1801-1808.	4.7	11
36	Olfactory preference conditioning changes the reward value of reinforced and non-reinforced odors. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 229.	2.0	10

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37	PET Metabolic Imaging of Time-Dependent Reorganization of Olfactory Cued Fear Memory Networks in Rats. <i>Cerebral Cortex</i> , 2022, 32, 2717-2728.	2.9	8
38	A Novel Task for Studying Memory of Occasional Events in Rats. <i>Bio-protocol</i> , 2016, 6, .	0.4	1
39	Experience-induced Changes Reveal Functional Dissociation within Olfactory Pathways. , 2002, , 335-349.		0
40	Absolute Threshold in Acoustics. , 2008, , 3-3.		0
41	Capacitive approach to restore decoupling between channels for four-Element MR coil array. <i>Electronics Letters</i> , 2013, 49, 815-816.	1.0	0