

# Richard M Costanzo

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81  
papers

3,044  
citations

31  
h-index

53  
g-index

81  
ext. papers

3,421  
ext. citations

3.8  
avg, IF

5.1  
L-index

#	Paper	IF	Citations
81	Impact of olfactory impairment on quality of life and disability. <i>JAMA Otolaryngology</i> , <b>2001</b> , 127, 497-503		315
80	Hazardous events associated with impaired olfactory function. <i>JAMA Otolaryngology</i> , <b>2004</b> , 130, 317-9		200
79	Morphology of the human olfactory epithelium. <i>Journal of Comparative Neurology</i> , <b>1990</b> , 297, 1-13	3.4	167
78	A quantitative analysis of changes in the olfactory epithelium following bullectomy in hamster. <i>Journal of Comparative Neurology</i> , <b>1983</b> , 215, 370-81	3.4	166
77	A quantitative analysis of responses of direction-sensitive neurons in somatosensory cortex of awake monkeys. <i>Journal of Neurophysiology</i> , <b>1980</b> , 43, 1319-41	3.2	126
76	Morphology of olfactory epithelium in humans and other vertebrates. <i>Microscopy Research and Technique</i> , <b>1992</b> , 23, 49-61	2.8	123
75	Spatial integration of multiple-point stimuli in primary somatosensory cortical receptive fields of alert monkeys. <i>Journal of Neurophysiology</i> , <b>1980</b> , 43, 420-43	3.2	102
74	Wireless, intraoral hybrid electronics for real-time quantification of sodium intake toward hypertension management. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 5377-5382	11.5	92
73	Neuronal mechanisms underlying direction sensitivity of somatosensory cortical neurons in awake monkeys. <i>Journal of Neurophysiology</i> , <b>1980</b> , 43, 1342-54	3.2	89
72	Temporal integration of multiple-point stimuli in primary somatosensory cortical receptive fields of alert monkeys. <i>Journal of Neurophysiology</i> , <b>1980</b> , 43, 444-68	3.2	85
71	Neural regeneration and functional reconnection following olfactory nerve transection in hamster. <i>Brain Research</i> , <b>1985</b> , 361, 258-66	3.7	76
70	Effects of head injury on olfaction and taste. <i>Otolaryngologic Clinics of North America</i> , <b>2004</b> , 37, 1167-84	2	68
69	Rewiring the olfactory bulb: changes in odor maps following recovery from nerve transection. <i>Chemical Senses</i> , <b>2000</b> , 25, 199-205	4.8	66
68	Spatially organized projections of hamster olfactory nerves. <i>Brain Research</i> , <b>1978</b> , 139, 327-32	3.7	65
67	Comparison of neurogenesis and cell replacement in the hamster olfactory system with and without a target (olfactory bulb). <i>Brain Research</i> , <b>1984</b> , 307, 295-301	3.7	62
66	Restoration of olfactory mediated behavior after olfactory bulb deafferentation. <i>Physiology and Behavior</i> , <b>1995</b> , 58, 959-68	3.5	61
65	Risk factors for hazardous events in olfactory-impaired patients. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , <b>2014</b> , 140, 951-5	3.9	55

64	Properties of kinesthetic neurons in somatosensory cortex of awake monkeys. <i>Brain Research</i> , <b>1981</b> , 214, 301-19	3.7	55
63	Olfactory nerve recovery following mild and severe injury and the efficacy of dexamethasone treatment. <i>Chemical Senses</i> , <b>2009</b> , 34, 573-80	4.8	45
62	Posttraumatic olfactory dysfunction. <i>Auris Nasus Larynx</i> , <b>2016</b> , 43, 137-43	2.2	43
61	Receptive fields of second-order neurons in the olfactory bulb of the hamster. <i>Journal of General Physiology</i> , <b>1980</b> , 76, 53-68	3.4	43
60	Cross-cultural comparison of data using the odor stick identification test for Japanese (OSIT-J). <i>Chemical Senses</i> , <b>2006</b> , 31, 335-42	4.8	42
59	Changes in odor quality discrimination following recovery from olfactory nerve transection. <i>Chemical Senses</i> , <b>1998</b> , 23, 513-9	4.8	39
58	Electrophysiological evidence for a topographical projection of the nasal mucosa onto the olfactory bulb of the frog. <i>Journal of General Physiology</i> , <b>1976</b> , 68, 297-312	3.4	38
57	Rhinotomy is disrupted during the re-innervation of the olfactory bulb that follows transection of the olfactory nerve. <i>Chemical Senses</i> , <b>2001</b> , 26, 359-69	4.8	34
56	Epidemiology and pathophysiology of olfactory and gustatory dysfunction in head trauma. <i>Journal of Head Trauma Rehabilitation</i> , <b>1992</b> , 7, 15-24	3	34
55	Sperm-associated antigen-17 gene is essential for motile cilia function and neonatal survival. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2013</b> , 48, 765-72	5.7	32
54	Three-dimensional scanning electron microscopic study of the normal hamster olfactory epithelium. <i>Journal of Neurocytology</i> , <b>1989</b> , 18, 381-91		32
53	Head trauma and olfactory function. <i>World Journal of Otorhinolaryngology - Head and Neck Surgery</i> , <b>2018</b> , 4, 39-45	2.6	31
52	Multiple-joint neurons in somatosensory cortex of awake monkeys. <i>Brain Research</i> , <b>1981</b> , 214, 321-33	3.7	31
51	Sperm-associated antigen 6 (SPAG6) deficiency and defects in ciliogenesis and cilia function: polarity, density, and beat. <i>PLoS ONE</i> , <b>2014</b> , 9, e107271	3.7	31
50	Detection thresholds for phenyl ethyl alcohol using serial dilutions in different solvents. <i>Chemical Senses</i> , <b>2003</b> , 28, 25-32	4.8	28
49	Scanning electron microscopic study of degeneration and regeneration in the olfactory epithelium after axotomy. <i>Journal of Neurocytology</i> , <b>1989</b> , 18, 393-405		28
48	Posttraumatic olfactory loss. <i>Advances in Oto-Rhino-Laryngology</i> , <b>2006</b> , 63, 99-107	1.7	26
47	Matrix metalloproteinase expression in the olfactory epithelium. <i>NeuroReport</i> , <b>2003</b> , 14, 1135-40	1.7	26

46	Remodeling of reciprocal synapses associated with persistence of long-term memory. <i>European Journal of Neuroscience</i> , <b>2004</b> , 19, 1668-72	3.5	26
45	A comparative immunocytochemical study of development and regeneration of chemosensory neurons in the rat vomeronasal system. <i>Brain Research</i> , <b>2002</b> , 946, 52-63	3.7	25
44	Spag17 deficiency results in skeletal malformations and bone abnormalities. <i>PLoS ONE</i> , <b>2015</b> , 10, e0125936	3.7	24
43	Identifying normosmics: a comparison of two populations. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , <b>1986</b> , 7, 194-9	2.8	22
42	Subjective smell and taste changes during the COVID-19 pandemic: Short term recovery. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , <b>2020</b> , 41, 102639	2.8	21
41	Electrophysiological characterization of the olfactory bulb during recovery from sensory deafferentation. <i>Brain Research</i> , <b>1996</b> , 724, 117-20	3.7	21
40	Response of matrix metalloproteinase-9 to olfactory nerve injury. <i>NeuroReport</i> , <b>2006</b> , 17, 1787-91	1.7	20
39	Is nestin a marker for chemosensory precursor cells?. <i>Brain Research</i> , <b>1995</b> , 683, 254-7	3.7	20
38	A new clinical olfactory function test: cross-cultural influence. <i>JAMA Otolaryngology</i> , <b>2007</b> , 133, 331-6		19
37	Replacement of receptor cells in the hamster vomeronasal epithelium after nerve transection. <i>Chemical Senses</i> , <b>1998</b> , 23, 171-9	4.8	19
36	Subjective Changes in Smell and Taste During the COVID-19 Pandemic: A National Survey-Preliminary Results. <i>Otolaryngology - Head and Neck Surgery</i> , <b>2020</b> , 163, 302-306	5.5	19
35	Comparison of diagnostic findings using different olfactory test methods. <i>Laryngoscope</i> , <b>2005</b> , 115, 1114-7	4.7	18
34	Immunocytochemical study of G(i)2alpha and G(o)alpha on the epithelium surface of the rat vomeronasal organ. <i>Chemical Senses</i> , <b>2001</b> , 26, 161-6	4.8	18
33	Peak in matrix metalloproteinases-2 levels observed during recovery from olfactory nerve injury. <i>NeuroReport</i> , <b>2008</b> , 19, 327-31	1.7	16
32	Continual neurogenesis of vomeronasal neurons in vitro. <i>Journal of Neurobiology</i> , <b>1999</b> , 40, 226-233		16
31	Regeneration of olfactory receptor cells. <i>Novartis Foundation Symposium</i> , <b>1991</b> , 160, 233-42; discussion 243-8		15
30	Age-related changes in p2 odorant receptor mapping in the olfactory bulb. <i>Chemical Senses</i> , <b>2010</b> , 35, 417-26	4.8	14
29	Neurosurgical Applications of Clinical Olfactory Assessment. <i>Annals of the New York Academy of Sciences</i> , <b>1987</b> , 510, 242-244	6.5	13

28	Quality of life and safety impact of COVID-19 associated smell and taste disturbances. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , <b>2021</b> , 42, 103001	2.8	13
27	Pulmonary delivery of peptide YY for food intake suppression and reduced body weight gain in rats. <i>Diabetes, Obesity and Metabolism</i> , <b>2011</b> , 13, 408-17	6.7	12
26	Regeneration and rewiring the olfactory bulb. <i>Chemical Senses</i> , <b>2005</b> , 30 Suppl 1, i133-4	4.8	12
25	Etiology of subjective taste loss. <i>International Forum of Allergy and Rhinology</i> , <b>2019</b> , 9, 409-412	6.3	12
24	Olfactory epithelial transplantation: possible mechanism for restoration of smell. <i>Current Opinion in Otolaryngology and Head and Neck Surgery</i> , <b>2011</b> , 19, 54-7	2	10
23	Matrix metalloproteinase-9 and -2 expression in the olfactory bulb following methyl bromide gas exposure. <i>Chemical Senses</i> , <b>2010</b> , 35, 655-61	4.8	10
22	Toxic effects on gustatory function. <i>Advances in Oto-Rhino-Laryngology</i> , <b>2006</b> , 63, 265-277	1.7	8
21	Olfactory epithelium grafts in the cerebral cortex: an immunohistochemical analysis. <i>Laryngoscope</i> , <b>2001</b> , 111, 1964-9	3.6	7
20	Morphological and histochemical changes in the regenerating vomeronasal epithelium. <i>Journal of Veterinary Medical Science</i> , <b>2000</b> , 62, 1253-61	1.1	7
19	Spatial Mapping in the Rat Olfactory Bulb by Odor and Direct Electrical Stimulation. <i>Otolaryngology - Head and Neck Surgery</i> , <b>2016</b> , 155, 526-32	5.5	6
18	Matrix metalloproteinase-9 is associated with acute inflammation after olfactory injury. <i>NeuroReport</i> , <b>2011</b> , 22, 539-43	1.7	6
17	Grafting the olfactory epithelium to the olfactory bulb. <i>American Journal of Rhinology and Allergy</i> , <b>2009</b> , 23, 239-43	2.4	6
16	Surface changes in the rat vomeronasal epithelium during degeneration and regeneration of sensory receptor cells. <i>Anatomy and Embryology</i> , <b>2000</b> , 201, 467-73		4
15	Decreasing Incidence of Chemosensory Changes by COVID-19 Variant.. <i>Otolaryngology - Head and Neck Surgery</i> , <b>2022</b> , 1945998221097656	5.5	4
14	Cribriform plate width is highly variable within and between subjects. <i>Auris Nasus Larynx</i> , <b>2018</b> , 45, 1000-1005		3
13	Predictors of smell recovery in a nationwide prospective cohort of patients with COVID-19. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , <b>2022</b> , 43, 103239	2.8	3
12	Morphology and Plasticity of the Vertebrate Olfactory Epithelium <b>1992</b> , 31-50		3
11	International consensus statement on allergy and rhinology: Olfaction.. <i>International Forum of Allergy and Rhinology</i> , <b>2022</b> , 12, 327-680	6.3	3

10	Activation of the rat olfactory bulb by direct ventral stimulation after nerve transection. <i>International Forum of Allergy and Rhinology</i> , <b>2018</b> , 8, 922	6.3	2
9	Pulmonary delivery of anorectic oxyntomodulin in rats: food intake suppression, reduced body weight gain and pharmacokinetics. <i>Therapeutic Delivery</i> , <b>2015</b> , 6, 297-306	3.8	2
8	A new surgical approach to the study of vomeronasal system regeneration. <i>Chemical Senses</i> , <b>2005</b> , 30 Suppl 1, i129-30	4.8	2
7	Smell and Taste <b>2012</b> ,		2
6	Adenylyl cyclase activation and electrophysiological responses elicited in male hamster olfactory receptor neurons by components of female pheromones. <i>Chemical Senses</i> , <b>1990</b> , 15, 725-739	4.8	1
5	Degeneration-Regeneration of the Olfactory Neuroepithelium Following Bulbectomy. <i>Annals of the New York Academy of Sciences</i> , <b>1987</b> , 510, 512-514	6.5	1
4	Chemosensory Impairment after Traumatic Brain Injury: Assessment and Management <b>2012</b> , 23,		1
3	Olfaction and Head Injury <b>1992</b> , 546-558		1
2	Planar cell polarity defects and hearing loss in sperm-associated antigen 6 ()-deficient mice. <i>American Journal of Physiology - Cell Physiology</i> , <b>2021</b> , 320, C132-C141	5.4	1
1	Regeneration of the Olfactory Epithelium <b>2020</b> , 565-590		0