Richard M Costanzo

List of Publications by Year
in descending order

81 papers	3,840 citations	136740 32 h-index	128067 60 g-index
81 all docs	81 docs citations	81 times ranked	2938 citing authors

#	Article	IF	Citations
1	Impact of Olfactory Impairment on Quality of Life and Disability. JAMA Otolaryngology, 2001, 127, 497.	1.5	399
2	Hazardous Events Associated With Impaired Olfactory Function. JAMA Otolaryngology, 2004, 130, 317.	1.5	255
3	Morphology of the human olfactory epithelium. Journal of Comparative Neurology, 1990, 297, 1-13.	0.9	198
4	A quantitative analysis of changes in the olfactory epithelium following bulbectomy in hamster. Journal of Comparative Neurology, 1983, 215, 370-381.	0.9	177
5	Morphology of olfactory epithelium in humans and other vertebrates. Microscopy Research and Technique, 1992, 23, 49-61.	1.2	153
6	A quantitative analysis of responses of direction-sensitive neurons in somatosensory cortex of awake monkeys.. Journal of Neurophysiology, 1980, 43, 1319-1341.	0.9	140
7	Wireless, intraoral hybrid electronics for real-time quantification of sodium intake toward hypertension management. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5377-5382.	3.3	137
8	Spatial integration of multiple-point stimuli in primary somatosensory cortical receptive fields of alert monkeys. Journal of Neurophysiology, 1980, 43, 420-443.	0.9	127
9	Neuronal mechanisms underlying direction sensitivity of somatosensory cortical neurons in awake monkeys.. Journal of Neurophysiology, 1980, 43, 1342-1354.	0.9	95
10	Temporal integration of multiple-point stimuli in primary somatosensory cortical receptive fields of alert monkeys. Journal of Neurophysiology, 1980, 43, 444-468.	0.9	88
11	Rewiring the Olfactory Bulb: Changes in Odor Maps following Recovery from Nerve Transection. Chemical Senses, 2000, 25, 199-205.	1.1	85
12	Neural regeneration and functional reconnection following olfactory nerve transection in hamster. Brain Research, 1985, 361, 258-266.	1.1	84
13	Risk Factors for Hazardous Events in Olfactory-Impaired Patients. JAMA Otolaryngology - Head and Neck Surgery, 2014, 140, 951.	1.2	80
14	Effects of head injury on olfaction and taste. Otolaryngologic Clinics of North America, 2004, 37, 1167-1184.	0.5	77
15	Spatially organized projections of hamster olfactory nerves. Brain Research, 1978, 139, 327-332.	1.1	68
16	Restoration of olfactory mediated behavior after olfactory bulb deafferentation. Physiology and Behavior, 1995, 58, 959-968.	1.0	68
17	Comparison of neurogenesis and cell replacement in the hamster olfactory system with and without a target (olfactory bulb). Brain Research, 1984, 307, 295-301.	1.1	65
18	Properties of kinesthetic neurons in somatosensory cortex of awake monkeys. Brain Research, 1981, 214, 301-319.	1.1	64

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19	Olfactory Nerve Recovery Following Mild and Severe Injury and the Efficacy of Dexamethasone Treatment. Chemical Senses, 2009, 34, 573-580.	1.1	56
20	Posttraumatic olfactory dysfunction. Auris Nasus Larynx, 2016, 43, 137-143.	0.5	56
21	Cross-Cultural Comparison of Data Using the Odor Stick Identification Test for Japanese (OSIT-J). Chemical Senses, 2006, 31, 335-342.	1.1	55
22	Head trauma and olfactory function. World Journal of Otorhinolaryngology - Head and Neck Surgery, 2018, 4, 39-45.	0.7	55
23	Sperm-Associated Antigenâ€“17 Gene Is Essential for Motile Cilia Function and Neonatal Survival. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 765-772.	1.4	50
24	Quality of life and safety impact of COVID-19 associated smell and taste disturbances. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2021, 42, 103001.	0.6	49
25	Receptive fields of second-order neurons in the olfactory bulb of the hamster.. Journal of General Physiology, 1980, 76, 53-68.	0.9	46
26	Changes in odor quality discrimination following recovery from olfactory nerve transection. Chemical Senses, 1998, 23, 513-519.	1.1	46
27	Rhinotopy is Disrupted During the Re-innervation of the Olfactory Bulb that Follows Transection of the Olfactory Nerve. Chemical Senses, 2001, 26, 359-369.	1.1	43
28	Detection Thresholds for Phenyl Ethyl Alcohol Using Serial Dilutions in Different Solvents. Chemical Senses, 2003, 28, 25-32.	1.1	43
29	International consensus statement on allergy and rhinology: Olfaction. International Forum of Allergy and Rhinology, 2022, 12, 327-680.	1.5	43
30	Electrophysiological evidence for a topographical projection of the nasal mucosa onto the olfactory bulb of the frog.. Journal of General Physiology, 1976, 68, 297-312.	0.9	42
31	Epidemiology and pathophysiology of olfactory and gustatory dysfunction in head trauma. Journal of Head Trauma Rehabilitation, 1992, 7, 15-24.	1.0	41
32	Subjective smell and taste changes during the COVID-19 pandemic: Short term recovery. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2020, 41, 102639.	0.6	41
33	Multiple-joint neurons in somatosensory cortex of awake monkeys. Brain Research, 1981, 214, 321-333.	1.1	38
34	Sperm-Associated Antigen 6 (SPAG6) Deficiency and Defects in Ciliogenesis and Cilia Function: Polarity, Density, and Beat. PLoS ONE, 2014, 9, e107271.	1.1	37
35	Decreasing Incidence of Chemosensory Changes by COVIDâ€19 Variant. Otolaryngology - Head and Neck Surgery, 2023, 168, 704-706.	1.1	37
36	Three-dimensional scanning electron microscopic study of the normal hamster olfactory epithelium. Journal of Neurocytology, 1989, 18, 381-391.	1.6	36

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37	Posttraumatic Olfactory Loss. , 2006, 63, 99-107.		34
38	Scanning electron microscopic study of degeneration and regeneration in the olfactory epithelium after axotomy. Journal of Neurocytology, 1989, 18, 393-405.	1.6	32
39	Remodeling of reciprocal synapses associated with persistence of long-term memory. European Journal of Neuroscience, 2004, 19, 1668-1672.	1.2	30
40	Spag17 Deficiency Results in Skeletal Malformations and Bone Abnormalities. PLoS ONE, 2015, 10, e0125936.	1.1	30
41	A comparative immunocytochemical study of development and regeneration of chemosensory neurons in the rat vomeronasal system. Brain Research, 2002, 946, 52-63.	1.1	28
42	Matrix metalloproteinase expression in the olfactory epithelium. NeuroReport, 2003, 14, 1135-1140.	0.6	28
43	A New Clinical Olfactory Function Test. JAMA Otolaryngology, 2007, 133, 331.	1.5	26
44	Subjective Changes in Smell and Taste During the COVIDâ€19ÂPandemic: A National Surveyâ€"Preliminary Results. Otolaryngology - Head and Neck Surgery, 2020, 163, 302-306.	1.1	25
45	Identifying normosmics. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 1986, 7, 194-199.	0.6	24
46	Immunocytochemical Study of Gi2alpha and Goalpha on the Epithelium Surface of the Rat Vomeronasal Organ. Chemical Senses, 2001, 26, 161-166.	1.1	23
47	Electrophysiological characterization of the olfactory bulb during recovery from sensory deafferentation. Brain Research, 1996, 724, 117-120.	1.1	22
48	Regeneration of Olfactory Receptor Cells. Novartis Foundation Symposium, 1991, 160, 233-248.	1.2	22
49	Is nestin a marker for chemosensory precursor cells?. Brain Research, 1995, 683, 254-257.	1.1	21
50	Replacement of Receptor Cells in the Hamster Vomeronasal Epithelium after Nerve Transection. Chemical Senses, 1998, 23, 171-179.	1.1	21
51	Response of matrix metalloproteinase-9 to olfactory nerve injury. NeuroReport, 2006, 17, 1787-1791.	0.6	21
52	Comparison of Diagnostic Findings using Different Olfactory Test Methods. Laryngoscope, 2005, 115, 1114-1117.	1.1	19
53	Continual neurogenesis of vomeronasal neuronsin vitro. Journal of Neurobiology, 1999, 40, 226-233.	3.7	18
54	Etiology of subjective taste loss. International Forum of Allergy and Rhinology, 2019, 9, 409-412.	1.5	18

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55	Neurosurgical Applications of Clinical Olfactory Assessment. Annals of the New York Academy of Sciences, 1987, 510, 242-244.	1.8	17
56	Regeneration and Rewiring the Olfactory Bulb. Chemical Senses, 2005, 30, i133-i134.	1.1	17
57	Age-Related Changes in P2 Odorant Receptor Mapping in the Olfactory Bulb. Chemical Senses, 2010, 35, 417-426.	1.1	17
58	Peak in matrix metaloproteinases-2 levels observed during recovery from olfactory nerve injury. NeuroReport, 2008, 19, 327-331.	0.6	16
59	Grafting the Olfactory Epithelium to the Olfactory Bulb. American Journal of Rhinology and Allergy, 2009, 23, 239-243.	1.0	14
60	Olfactory epithelial transplantation: possible mechanism for restoration of smell. Current Opinion in Otolaryngology and Head and Neck Surgery, 2011, 19, 54-57.	0.8	14
61	Pulmonary delivery of peptide YY for food intake suppression and reduced body weight gain in rats. Diabetes, Obesity and Metabolism, 2011, 13, 408-417.	2.2	14
62	Spatial Mapping in the Rat Olfactory Bulb by Odor and Direct Electrical Stimulation. Otolaryngology - Head and Neck Surgery, 2016, 155, 526-532.	1.1	12
63	Predictors of smell recovery in a nationwide prospective cohort of patients with COVID-19. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2022, 43, 103239.	0.6	12
64	Olfactory Epithelium Grafts in the Cerebral Cortex: An Immunohistochemical Analysis. Laryngoscope, 2001, 111, 1964-1969.	1.1	10
65	Toxic Effects on Gustatory Function. , 2006, 63, 265-277.		10
66	Matrix Metalloproteinase-9 and -2 Expression in the Olfactory Bulb Following Methyl Bromide Gas Exposure. Chemical Senses, 2010, 35, 655-661.	1.1	10
67	Cribriform plate width is highly variable within and between subjects. Auris Nasus Larynx, 2018, 45, 1000-1005.	0.5	10
68	Morphological and Histochemical Changes in the Regenerating Vomeronasal Epithelium.. Journal of Veterinary Medical Science, 2000, 62, 1253-1261.	0.3	8
69	Matrix metalloproteinase-9 is associated with acute inflammation after olfactory injury. NeuroReport, 2011, 22, 539-543.	0.6	6
70	Activation of the rat olfactory bulb by direct ventral stimulation after nerve transection. International Forum of Allergy and Rhinology, 2018, 8, 922-927.	1.5	6
71	Smell and Taste. , 2012, , .		6
72	Surface changes in the rat vomeronasal epithelium during degeneration and regeneration of sensory receptor cells. Anatomy and Embryology, 2000, 201, 467-473.	1.5	5

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73	Morphology and Plasticity of the Vertebrate Olfactory Epithelium. , 1992, , 31-50.		5
74	Planar Cell Polarity Defects and Hearing Loss in Sperm-Associated Antigen 6 (Spag6)-Deficient Mice. American Journal of Physiology - Cell Physiology, 2020, 320, C132-C141.	2.1	3
75	Adenylyl cyclase activation and electrophysiological responses elicited in male hamster olfactory receptor neurons by components of female pheromones. Chemical Senses, 1990, 15, 725-739.	1.1	2
76	A New Surgical Approach to the Study of Vomeronasal System Regeneration. Chemical Senses, 2005, 30, i129-i130.	1.1	2
77	Pulmonary delivery of anorectic oxyntomodulin in rats: food intake suppression, reduced body weight gain and pharmacokinetics. Therapeutic Delivery, 2015, 6, 297-306.	1.2	2
78	Olfaction and Head Injury. , 1992, , 546-558.		2
79	Regeneration of the Olfactory Epithelium. , 2020, , 565-590.		2
80	Degeneration-Regeneration of the Olfactory Neuroepithelium Following Bulbectomy.. Annals of the New York Academy of Sciences, 1987, 510, 512-514.	1.8	1
81	Chemosensory Impairment after Traumatic Brain Injury: Assessment and Management. , 2012, 23, .		1