Charles C Della Santina

List of Publications by Year
in descending order

37	1,864	279798 23	361022 35
papers	citations	h-index	g-index

37	37	37	1539
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low-Noise Magnetic Coil System for Recording 3-D Eye Movements. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	214
2	Prevalence and Impact of Bilateral Vestibular Hypofunction. JAMA Otolaryngology - Head and Neck Surgery, 2013, 139, 803.	2.2	179
3	Orientation of Human Semicircular Canals Measured by Three-Dimensional Multiplanar CT Reconstruction. JARO - Journal of the Association for Research in Otolaryngology, 2005, 6, 191-206.	1.8	169
4	Symptoms and Signs in Superior Canal Dehiscence Syndrome. Annals of the New York Academy of Sciences, 2001, 942, 259-273.	3.8	162
5	A Multichannel Semicircular Canal Neural Prosthesis Using Electrical Stimulation to Restore 3-D Vestibular Sensation. IEEE Transactions on Biomedical Engineering, 2007, 54, 1016-1030.	4.2	150
6	Bilateral Vestibular Deficiency. JAMA Otolaryngology - Head and Neck Surgery, 2014, 140, 527.	2.2	118
7	Classification of vestibular signs and examination techniques: Nystagmus and nystagmus-like movements. Journal of Vestibular Research: Equilibrium and Orientation, 2019, 29, 57-87.	2.0	79
8	Posture, Gait, Quality of Life, and Hearing with a Vestibular Implant. New England Journal of Medicine, 2021, 384, 521-532.	27.0	59
9	Heat pulse excitability of vestibular hair cells and afferent neurons. Journal of Neurophysiology, 2016, 116, 825-843.	1.8	51
10	Ceravital Reconstruction of Canal Wall Down Mastoidectomy. JAMA Otolaryngology, 2006, 132, 617.	1.2	46
11	Characterization of Vestibulopathy in Individuals with Type 2 Diabetes Mellitus. Otolaryngology - Head and Neck Surgery, 2015, 153, 112-118.	1.9	45
12	Continuous vestibular implant stimulation partially restores eye-stabilizing reflexes. JCI Insight, 2019, 4, .	5.0	45
13	Retinoic acid degradation shapes zonal development of vestibular organs and sensitivity to transient linear accelerations. Nature Communications, 2020, 11, 63.	12.8	43
14	Co-modulation of stimulus rate and current from elevated baselines expands head motion encoding range of the vestibular prosthesis. Experimental Brain Research, 2012, 218, 389-400.	1.5	41
15	Inexpensive system for real-time 3-dimensional video-oculography using a fluorescent marker array. Journal of Neuroscience Methods, 2005, 143, 141-150.	2.5	40
16	Rhesus Cochlear and Vestibular Functions Are Preserved After Inner Ear Injection of Saline Volume Sufficient for Gene Therapy Delivery. JARO - Journal of the Association for Research in Otolaryngology, 2017, 18, 601-617.	1.8	40
17	Modification of compensatory saccades after aVOR gain recovery. Journal of Vestibular Research: Equilibrium and Orientation, 2007, 16, 285-291.	2.0	36
18	Vertigo and hearing loss. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 136, 905-921.	1.8	33

#	Article	IF	Citations
19	Plasticity within non-cerebellar pathways rapidly shapes motor performance in vivo. Nature Communications, 2016, 7, 11238.	12.8	33
20	Temporal bone characterization and cochlear implant feasibility in the common marmoset (Callithrix) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	31
21	Histopathologic Changes of the Inner ear in Rhesus Monkeys After Intratympanic Gentamicin Injection and Vestibular Prosthesis Electrode Array Implantation. JARO - Journal of the Association for Research in Otolaryngology, 2015, 16, 373-387.	1.8	31
22	Selective Neuronal Activation by Cochlear Implant Stimulation in Auditory Cortex of Awake Primate. Journal of Neuroscience, 2016, 36, 12468-12484.	3.6	29
23	Strong Static Magnetic Fields Elicit Swimming Behaviors Consistent with Direct Vestibular Stimulation in Adult Zebrafish. PLoS ONE, 2014, 9, e92109.	2.5	28
24	Magnetic Vestibular Stimulation in Subjects with Unilateral Labyrinthine Disorders. Frontiers in Neurology, 2014, 5, 28.	2.4	27
25	The vestibular implant: Opinion statement on implantation criteria for research1. Journal of Vestibular Research: Equilibrium and Orientation, 2020, 30, 213-223.	2.0	26
26	Adaptation of the vestibulo-ocular reflex for forward-eyed foveate vision. Journal of Physiology, 2010, 588, 3855-3867.	2.9	22
27	Representations of Time-Varying Cochlear Implant Stimulation in Auditory Cortex of Awake Marmosets (Callithrix jacchus). Journal of Neuroscience, 2017, 37, 7008-7022.	3.6	13
28	Regaining Balance with Bionic Ears. Scientific American, 2010, 302, 68-71.	1.0	12
29	Binocular 3D otolith-ocular reflexes: responses of chinchillas to prosthetic electrical stimulation targeting the utricle and saccule. Journal of Neurophysiology, 2020, 123, 259-276.	1.8	12
30	An Implanted Vestibular Prosthesis Improves Spatial Orientation in Animals with Severe Vestibular Damage. Journal of Neuroscience, 2021, 41, 3879-3888.	3.6	12
31	Contribution of vestibular efferent system alpha-9 nicotinic receptors to vestibulo-oculomotor interaction and short-term vestibular compensation after unilateral labyrinthectomy in mice. Neuroscience Letters, 2015, 602, 156-161.	2.1	11
32	Initial Management of Total Nasal Septectomy Defects Using Resorbable Plating. Archives of Facial Plastic Surgery, 2006, 8, 128-138.	0.7	8
33	Nonhuman primate vestibuloocular reflex responses to prosthetic vestibular stimulation are robust to pulse timing errors caused by temporal discretization. Journal of Neurophysiology, 2019, 121, 2256-2266.	1.8	5
34	Vestibular Implant Imaging. American Journal of Neuroradiology, 2021, 42, 370-376.	2.4	5
35	Automated head motion system improves reliability and lessens operator dependence for head impulse testing of vestibular reflexes. , 2017, 2017, 94-99.		4
36	Binocular 3D otolith-ocular reflexes: responses of normal chinchillas to tilt and translation. Journal of Neurophysiology, 2020, 123, 243-258.	1.8	4

#	Article	IF	Citations
37	Temporal Discretization Errors Produce Minimal Effects on Vestibular Prosthesis Performance1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.7	1