AngÃ©lica PÃ©rez Fornos

List of Publications by Year
in descending order

62 papers	1,483 citations	430874 18 h-index	434195 31 g-index
68 all docs	68 docs citations	68 times ranked	873 citing authors

#	Article	IF	Citations
1	Simulation of artificial vision: II. Eccentric reading of full-page text and the learning of this task. Vision Research, 2004, 44, 1693-1706.	1.4	104
2	Temporal Properties of Visual Perception on Electrical Stimulation of the Retina. , 2012, 53, 2720.		103
3	Artificial Balance: Restoration of the Vestibulo-Ocular Reflex in Humans with a Prototype Vestibular Neuroprosthesis. Frontiers in Neurology, 2014, 5, 66.	2.4	80
4	Vestibular Implants: 8 Years of Experience with Electrical Stimulation of the Vestibular Nerve in 11 Patients with Bilateral Vestibular Loss. Orl, 2015, 77, 227-240.	1.1	71
5	Simulation of Artificial Vision, III: Do the Spatial or Temporal Characteristics of Stimulus Pixelization Really Matter?. , 2005, 46, 3906.		70
6	The vestibular implant: frequency-dependency of the electrically evoked vestibulo-ocular reflex in humans. Frontiers in Systems Neuroscience, 2014, 8, 255.	2.5	65
7	Full Spectrum of Reported Symptoms of Bilateral Vestibulopathy Needs Further Investigationâ€”A Systematic Review. Frontiers in Neurology, 2018, 9, 352.	2.4	62
8	Use of the Argus II Retinal Prosthesis to Improve Visual Guidance of Fine Hand Movements. , 2012, 53, 5095.		60
9	Milestones in the development of a vestibular implant. Current Opinion in Neurology, 2019, 32, 145-153.	3.6	53
10	Simulation of artificial vision: IV. Visual information required to achieve simple pointing and manipulation tasks. Vision Research, 2008, 48, 1705-1718.	1.4	48
11	Restoring Visual Acuity in Dynamic Conditions with a Vestibular Implant. Frontiers in Neuroscience, 2016, 10, 577.	2.8	43
12	Vibrotactile feedback improves balance and mobility in patients with severe bilateral vestibular loss. Journal of Neurology, 2019, 266, 19-26.	3.6	40
13	Bilateral vestibulopathy: beyond imbalance and oscillopsia. Journal of Neurology, 2020, 267, 241-255.	3.6	38
14	The vestibular implant: A probe in orbit around the human balance system. Journal of Vestibular Research: Equilibrium and Orientation, 2017, 27, 51-61.	2.0	37
15	The Vestibular Implant Input Interacts with Residual Natural Function. Frontiers in Neurology, 2017, 8, 644.	2.4	37
16	Development of a viewing strategy during adaptation to an artificial central scotoma. Vision Research, 2004, 44, 2691-2705.	1.4	30
17	The Video Head Impulse Test to Assess the Efficacy of Vestibular Implants in Humans. Frontiers in Neurology, 2017, 8, 600.	2.4	30
18	Prospective cohort study on the predictors of fall risk in 119 patients with bilateral vestibulopathy. PLoS ONE, 2020, 15, e0228768.	2.5	30

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19	The vestibular implant: Opinion statement on implantation criteria for research1. Journal of Vestibular Research: Equilibrium and Orientation, 2020, 30, 213-223.	2.0	26
20	The Vestibular Implant: Hearing Preservation during Intralabyrinthine Electrode Insertionâ€"A Case Report. Frontiers in Neurology, 2017, 8, 137.	2.4	25
21	The Functional Head Impulse Test to Assess Oscillopsia in Bilateral Vestibulopathy. Frontiers in Neurology, 2019, 10, 365.	2.4	25
22	The walking speed-dependency of gait variability in bilateral vestibulopathy and its association with clinical tests of vestibular function. Scientific Reports, 2019, 9, 18392.	3.3	25
23	Cervical myogenic potentials and controlled postural responses elicited by a prototype vestibular implant. Journal of Neurology, 2019, 266, 33-41.	3.6	23
24	Vestibular assistance systems: promises and challenges. Journal of Neurology, 2016, 263, 30-35.	3.6	21
25	Processes Involved in Oculomotor Adaptation to Eccentric Reading. , 2006, 47, 1439.		19
26	Restoring the High-Frequency Dynamic Visual Acuity with a Vestibular Implant Prototype in Humans. Audiology and Neuro-Otology, 2020, 25, 91-95.	1.3	19
27	Reading with a Simulated 60-Channel Implant. Frontiers in Neuroscience, 2011, 5, 57.	2.8	18
28	Characterization of pulse amplitude and pulse rate modulation for a human vestibular implant during acute electrical stimulation. Journal of Neural Engineering, 2016, 13, 046023.	3.5	18
29	Optimization of 3D-Visualization of Micro-Anatomical Structures of the Human Inner Ear in Osmium Tetroxide Contrast Enhanced Micro-CT Scans. Frontiers in Neuroanatomy, 2018, 12, 41.	1.7	18
30	Simultaneous Development of 2 Oral Languages by Child Cochlear Implant Recipients. Otology and Neurotology, 2014, 35, 1541-1544.	1.3	17
31	Comparison of three video head impulse test systems for the diagnosis of bilateral vestibulopathy. Journal of Neurology, 2020, 267, 256-264.	3.6	17
32	A New and Faster Test to Assess Vestibular Perception. Frontiers in Neurology, 2019, 10, 707.	2.4	16
33	First functional rehabilitation via vestibular implants. Cochlear Implants International, 2014, 15, S62-S64.	1.2	15
34	Vestibular implants: Hope for improving the quality of life of patients with bilateral vestibular loss. , 2015, 2015, 7192-5.		14
35	Characterization of Cochlear, Vestibular and Cochlear-Vestibular Electrically Evoked Compound Action Potentials in Patients with a Vestibulo-Cochlear Implant. Frontiers in Neuroscience, 2017, 11, 645.	2.8	14
36	Vestibular Implantation and the Feasibility of Fluoroscopy-Guided Electrode Insertion. Otolaryngologic Clinics of North America, 2020, 53, 115-126.	1.1	13

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37	A Real-Time Research Platform to Study Vestibular Implants With Gyroscopic Inputs in Vestibular Deficient Subjects. IEEE Transactions on Biomedical Circuits and Systems, 2014, 8, 474-484.	4.0	11
38	Bilateral vestibulopathy decreases self-motion perception. Journal of Neurology, 2022, 269, 5216-5228.	3.6	11
39	Neural Network Model of Vestibular Nuclei Reaction to Onset of Vestibular Prosthetic Stimulation. Frontiers in Bioengineering and Biotechnology, 2016, 4, 34.	4.1	10
40	Bilateral vestibulopathy and age: experimental considerations for testing dynamic visual acuity on a treadmill. Journal of Neurology, 2020, 267, 265-272.	3.6	9
41	Prospects and Limitations of Spatial Resolution. , 2017, , 29-45.		9
42	Introducing the DizzyQuest: an app-based diary for vestibular disorders. Journal of Neurology, 2020, 267, 3-14.	3.6	8
43	The Effect of Different Head Movement Paradigms on Vestibulo-Ocular Reflex Gain and Saccadic Eye Responses in the Suppression Head Impulse Test in Healthy Adult Volunteers. Frontiers in Neurology, 2021, 12, 729081.	2.4	8
44	Patterns of Vestibular Impairment in Bilateral Vestibulopathy and Its Relation to Etiology. Frontiers in Neurology, 2022, 13, 856472.	2.4	8
45	Suppression Head Impulse Test (SHIMP) versus Head Impulse Test (HIMP) When Diagnosing Bilateral Vestibulopathy. Journal of Clinical Medicine, 2022, 11, 2444.	2.4	8
46	The resilience of the inner earâ€"vestibular and audiometric impact of transmastoid semicircular canal plugging. Journal of Neurology, 2021, , 1.	3.6	7
47	Influence of systematic variations of the stimulation profile on responses evoked with a vestibular implant prototype in humans. Journal of Neural Engineering, 2020, 17, 036027.	3.5	6
48	Bilateral vestibulopathy patientsâ€™ perspectives on vestibular implant treatment: a qualitative study. Journal of Neurology, 2022, 269, 5249-5257.	3.6	6
49	Drafting a Surgical Procedure Using a Computational Anatomy Driven Approach for Precise, Robust, and Safe Vestibular Neuroprosthesis Placementâ€"When One Size Does Not Fit All. Otology and Neurotology, 2019, 40, S51-S58.	1.3	5
50	Development and Content Validity of the Bilateral Vestibulopathy Questionnaire. Frontiers in Neurology, 2022, 13, 852048.	2.4	5
51	The DizzyQuest: relation between self-reported hearing loss, tinnitus and objective hearing thresholds in patients with Meniereâ€™s disease. Journal of Neurology, 2022, 269, 5239-5248.	3.6	5
52	Preliminary observations of the acute effects of vestibular nerve stimulation on stride length and time in two patients with bilateral vestibular hypofunction. Gait and Posture, 2016, 49, 124.	1.4	4
53	Simultaneous activation of multiple vestibular pathways upon electrical stimulation of semicircular canal afferents. Journal of Neurology, 2020, 267, 273-284.	3.6	4
54	The DizzyQuest: to have or not to haveâ€¦ a vertigo attack?. Journal of Neurology, 2020, 267, 15-23.	3.6	3

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55	Tribute to Bernard Cohen - Whose Pioneering Work Made the Vestibular Implant Possible. Frontiers in Neurology, 2020, 11, 452.	2.4	3
56	Speech Perception With Novel Stimulation Strategies for CombinedCochleo-Vestibular Systems. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1644-1650.	4.9	2
57	Sound localization in patients with bilateral vestibulopathy. European Archives of Oto-Rhino-Laryngology, 2022, , .	1.6	2
58	Optimized Signal Analysis to Quantify the Non-Linear Behaviour of the Electrically Evoked Vestibulo-Ocular Reflex in Patients with a Vestibular Implant. Audiology and Neuro-Otology, 2022, 27, 458-468.	1.3	2
59	Vestibular Implants in Humans: Steps Towards a Clinical Application. , 0, , .		0
60	Vestibular Implants in Humans: Solved Problems and Remaining Challenges. Biosystems and Biorobotics, 2013, , 1303-1306.	0.3	0
61	Designing artificial senses: steps from physiology to clinical implementation. Swiss Medical Weekly, 2019, 149, w20061.	1.6	0
62	Reported thresholds of self-motion perception are influenced by testing paradigm. Journal of Neurology, 2022, , 1.	3.6	0