

Pierre-Paul Vidal

List of Publications by Year in descending order

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33
papers

1,026
citations

586496

16
h-index

488211

31
g-index

34
all docs

34
docs citations

34
times ranked

927
citing authors

#	ARTICLE	IF	CITATIONS
1	Vestibular compensation: the neuro-otologist's best friend. <i>Journal of Neurology</i> , 2016, 263, 54-64.	1.8	186
2	Long-Term Plasticity of Ipsilesional Medial Vestibular Nucleus Neurons After Unilateral Labyrinthectomy. <i>Journal of Neurophysiology</i> , 2003, 90, 184-203.	0.9	108
3	Inertial Sensors to Assess Gait Quality in Patients with Neurological Disorders: A Systematic Review of Technical and Analytical Challenges. <i>Frontiers in Psychology</i> , 2017, 8, 817.	1.1	104
4	Sustained and Transient Vestibular Systems: A Physiological Basis for Interpreting Vestibular Function. <i>Frontiers in Neurology</i> , 2017, 8, 117.	1.1	82
5	Unilateral Labyrinthectomy Modifies the Membrane Properties of Contralateral Vestibular Neurons. <i>Journal of Neurophysiology</i> , 2004, 92, 1668-1684.	0.9	67
6	Floccular Modulation of Vestibuloocular Pathways and Cerebellum-Related Plasticity: An In Vitro Whole Brain Study. <i>Journal of Neurophysiology</i> , 2000, 84, 2514-2528.	0.9	55
7	Ocular and cervical VEMPs: A study of 74 patients suffering from peripheral vestibular disorders. <i>Clinical Neurophysiology</i> , 2011, 122, 1650-1659.	0.7	43
8	Urban noise recognition with convolutional neural network. <i>Multimedia Tools and Applications</i> , 2019, 78, 29021-29041.	2.6	38
9	Oscillatory and Intrinsic Membrane Properties of Guinea Pig Nucleus Prepositus Hypoglossi Neurons In Vitro. <i>Journal of Neurophysiology</i> , 2006, 96, 175-196.	0.9	36
10	Long-Lasting Visuo-Vestibular Mismatch in Freely-Behaving Mice Reduces the Vestibulo-Ocular Reflex and Leads to Neural Changes in the Direct Vestibular Pathway. <i>ENeuro</i> , 2017, 4, ENEURO.0290-16.2017.	0.9	33
11	Intrinsic membrane properties and dynamics of medial vestibular neurons: a simulation. <i>Biological Cybernetics</i> , 1999, 80, 383-392.	0.6	32
12	Static and Dynamic Membrane Properties of Lateral Vestibular Nucleus Neurons in Guinea Pig Brain Stem Slices. <i>Journal of Neurophysiology</i> , 2003, 90, 1689-1703.	0.9	31
13	Intrinsic membrane properties of central vestibular neurons in rodents. <i>Experimental Brain Research</i> , 2011, 210, 423-436.	0.7	26
14	A Non Linear Scoring Approach for Evaluating Balance: Classification of Elderly as Fallers and Non-Fallers. <i>PLoS ONE</i> , 2016, 11, e0167456.	1.1	26
15	Template-Based Step Detection with Inertial Measurement Units. <i>Sensors</i> , 2018, 18, 4033.	2.1	23
16	Vestibular Critical Period, Maturation of Central Vestibular Neurons, and Locomotor Control. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 180-187.	1.8	21
17	Perceptual-motor styles. <i>Experimental Brain Research</i> , 2021, 239, 1359-1380.	0.7	21
18	On the importance of local dynamics in statokinesigram: A multivariate approach for postural control evaluation in elderly. <i>PLoS ONE</i> , 2018, 13, e0192868.	1.1	17

#	ARTICLE	IF	CITATIONS
19	Preventing falls: the use of machine learning for the prediction of future falls in individuals without history of fall. <i>Journal of Neurology</i> , 2023, 270, 618-631.	1.8	15
20	Non-Linear Template-Based Approach for the Study of Locomotion. <i>Sensors</i> , 2020, 20, 1939.	2.1	10
21	An Initial Passive Phase That Limits the Time to Recover and Emphasizes the Role of Proprioceptive Information. <i>Frontiers in Neurology</i> , 2018, 9, 986.	1.1	7
22	Inconsistent anticipatory postural adjustments (APAs) in rugby players: a source of injuries?. <i>BMJ Open Sport and Exercise Medicine</i> , 2018, 4, e000303.	1.4	7
23	Multi-modal physiological signals based fear of heights analysis in virtual reality scenes. <i>Biomedical Signal Processing and Control</i> , 2021, 70, 102988.	3.5	7
24	Comparing Gait Trials with Greedy Template Matching. <i>Sensors</i> , 2019, 19, 3089.	2.1	6
25	Balance Impairment in Radiation Induced Leukoencephalopathy Patients Is Coupled With Altered Visual Attention in Natural Tasks. <i>Frontiers in Neurology</i> , 2019, 9, 1185.	1.1	6
26	The Complementary Role of Activity Context in the Mental Workload Evaluation of Helicopter Pilots: A Multi-tasking Learning Approach. <i>Communications in Computer and Information Science</i> , 2019, , 222-238.	0.4	5
27	An opinion paper on the maintenance of robustness: Towards a multimodal and intergenerational approach using digital twins. <i>Aging Medicine (Milton (N S W))</i> , 2020, 3, 188-194.	0.9	4
28	Motor style at rest and during locomotion in humans. <i>Journal of Neurophysiology</i> , 2020, 123, 2269-2284.	0.9	4
29	Rod and frame test and posture under optokinetic stimulation used to explore two complementary aspects of the visual influence in postural control after stroke. <i>Gait and Posture</i> , 2017, 58, 171-175.	0.6	3
30	Collaborative sensorimotor intelligence: the scrum as a model. <i>BMJ Open Sport and Exercise Medicine</i> , 2018, 4, e000407.	1.4	2
31	Ocular vestibular evoked myogenic potentials: the missing link. <i>Journal of Physiology</i> , 2012, 590, 2953-2953.	1.3	0
32	Postdychute-AG, Detection, and Prevention of the Risk of Falling Among Elderly People in Nursing Homes: Protocol of a Multicentre and Prospective Intervention Study. <i>Frontiers in Digital Health</i> , 2020, 2, 604552.	1.5	0
33	The 5P program, personalized and participatory primary prevention pathway: Rational and design of a clinical trial in general practice. <i>Contemporary Clinical Trials Communications</i> , 2021, 22, 100786.	0.5	0