

# Pierre-Paul Vidal

## List of Publications by Year in descending order

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33  
papers

1,026  
citations

516710

16  
h-index

434195

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

853  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vestibular compensation: the neuro-otologist's best friend. Journal of Neurology, 2016, 263, 54-64.	3.6	186
2	Long-Term Plasticity of Ipsilesional Medial Vestibular Nucleus Neurons After Unilateral Labyrinthectomy. Journal of Neurophysiology, 2003, 90, 184-203.	1.8	108
3	Inertial Sensors to Assess Gait Quality in Patients with Neurological Disorders: A Systematic Review of Technical and Analytical Challenges. Frontiers in Psychology, 2017, 8, 817.	2.1	104
4	Sustained and Transient Vestibular Systems: A Physiological Basis for Interpreting Vestibular Function. Frontiers in Neurology, 2017, 8, 117.	2.4	82
5	Unilateral Labyrinthectomy Modifies the Membrane Properties of Contralateral Vestibular Neurons. Journal of Neurophysiology, 2004, 92, 1668-1684.	1.8	67
6	Floccular Modulation of Vestibuloocular Pathways and Cerebellum-Related Plasticity: An In Vitro Whole Brain Study. Journal of Neurophysiology, 2000, 84, 2514-2528.	1.8	55
7	Ocular and cervical VEMPs: A study of 74 patients suffering from peripheral vestibular disorders. Clinical Neurophysiology, 2011, 122, 1650-1659.	1.5	43
8	Urban noise recognition with convolutional neural network. Multimedia Tools and Applications, 2019, 78, 29021-29041.	3.9	38
9	Oscillatory and Intrinsic Membrane Properties of Guinea Pig Nucleus Prepositus Hypoglossi Neurons In Vitro. Journal of Neurophysiology, 2006, 96, 175-196.	1.8	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. ENeuro, 2017, 4, ENEURO.0290-16.2017.	1.9	33
11	Intrinsic membrane properties and dynamics of medial vestibular neurons: a simulation. Biological Cybernetics, 1999, 80, 383-392.	1.3	32
12	Static and Dynamic Membrane Properties of Lateral Vestibular Nucleus Neurons in Guinea Pig Brain Stem Slices. Journal of Neurophysiology, 2003, 90, 1689-1703.	1.8	31
13	Intrinsic membrane properties of central vestibular neurons in rodents. Experimental Brain Research, 2011, 210, 423-436.	1.5	26
14	A Non Linear Scoring Approach for Evaluating Balance: Classification of Elderly as Fallers and Non-Fallers. PLoS ONE, 2016, 11, e0167456.	2.5	26
15	Template-Based Step Detection with Inertial Measurement Units. Sensors, 2018, 18, 4033.	3.8	23
16	Vestibular Critical Period, Maturation of Central Vestibular Neurons, and Locomotor Control. Annals of the New York Academy of Sciences, 2009, 1164, 180-187.	3.8	21
17	Perceptual-motor styles. Experimental Brain Research, 2021, 239, 1359-1380.	1.5	21
18	On the importance of local dynamics in statokinesigram: A multivariate approach for postural control evaluation in elderly. PLoS ONE, 2018, 13, e0192868.	2.5	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.	3.6	15
20	Non-Linear Template-Based Approach for the Study of Locomotion. <i>Sensors</i> , 2020, 20, 1939.	3.8	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.	2.4	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.	2.9	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.	5.7	7
24	Comparing Gait Trials with Greedy Template Matching. <i>Sensors</i> , 2019, 19, 3089.	3.8	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.	2.4	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.	0.5	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.	2.1	4
28	Motor style at rest and during locomotion in humans. <i>Journal of Neurophysiology</i> , 2020, 123, 2269-2284.	1.8	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.	1.4	3
30	Collaborative sensorimotor intelligence: the scrum as a model. <i>BMJ Open Sport and Exercise Medicine</i> , 2018, 4, e000407.	2.9	2
31	Ocular vestibular evoked myogenic potentials: the missing link. <i>Journal of Physiology</i> , 2012, 590, 2953-2953.	2.9	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.	2.8	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.	1.1	0