

Pierre Denise

List of Publications by Year in descending order

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128
papers

3,659
citations

126907

33
h-index

161849

54
g-index

133
all docs

133
docs citations

133
times ranked

3308
citing authors

#	ARTICLE	IF	CITATIONS
1	A combined neuropsychological and brain imaging study of obstructive sleep apnea. <i>Journal of Sleep Research</i> , 2009, 18, 36-48.	3.2	208
2	Is there a link between sleep changes and memory in Alzheimer's disease?. <i>NeuroReport</i> , 2008, 19, 1159-1162.	1.2	151
3	Nystagmus induced by off-vertical rotation axis in the cat. <i>Experimental Brain Research</i> , 1988, 73, 78-90.	1.5	142
4	Modulation by horizontal eye position of the vestibulo-collic reflex induced by tilting in the frontal plane in the alert cat. <i>Experimental Brain Research</i> , 1985, 58, 510-9.	1.5	138
5	Modulation by eye position of neck muscle contraction evoked by electrical labyrinthine stimulation in the alert cat. <i>Experimental Brain Research</i> , 1987, 67, 411-9.	1.5	134
6	Motion sickness susceptibility in healthy subjects and vestibular patients: Effects of gender, age and trait-anxiety. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2013, 23, 203-209.	2.0	125
7	Consolidation of Strictly Episodic Memories Mainly Requires Rapid Eye Movement Sleep. <i>Sleep</i> , 2004, 27, 395-401.	1.1	116
8	Circadian pattern of motor activity in major depressed patients undergoing antidepressant therapy: Relationship between actigraphic measures and clinical course. <i>Psychiatry Research</i> , 1994, 52, 85-98.	3.3	98
9	Influence of vestibular input on spatial and nonspatial memory and on hippocampal NMDA receptors. <i>Hippocampus</i> , 2012, 22, 814-826.	1.9	96
10	Eye movements induced by off-vertical axis rotation (OVAR) at small angles of tilt. <i>Experimental Brain Research</i> , 1988, 73, 91-105.	1.5	81
11	PET study of the human foveal fixation system. <i>Human Brain Mapping</i> , 1999, 8, 28-43.	3.6	69
12	Residual effects of zolpidem 10 mg and zopiclone 7.5 mg versus flunitrazepam 1 mg and placebo on driving performance and ocular saccades. <i>Psychopharmacology</i> , 1999, 143, 373-379.	3.1	67
13	Evidence for interacting cortical control of vestibular function and spatial representation in man. <i>Neuropsychologia</i> , 2003, 41, 1884-1898.	1.6	66
14	Vestibular Function in Children With the CHARGE Association. <i>JAMA Otolaryngology</i> , 1999, 125, 342.	1.2	64
15	Poor performance in smooth pursuit and antisaccadic eye-movement tasks in healthy siblings of patients with schizophrenia. <i>Psychiatry Research</i> , 2001, 101, 209-219.	3.3	61
16	Evaluation of the chemical model of vestibular lesions induced by arsenilate in rats. <i>Toxicology and Applied Pharmacology</i> , 2012, 258, 61-71.	2.8	61
17	Total sleep deprivation effect on disengagement of spatial attention as assessed by saccadic eye movements. <i>Clinical Neurophysiology</i> , 2006, 117, 894-899.	1.5	59
18	SPEM impairment in drug-naive schizophrenic patients: Evidence for a trait marker. <i>Biological Psychiatry</i> , 1992, 32, 891-902.	1.3	49

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19	Saccadic and smooth-pursuit eye movements in deficit and non-deficit schizophrenia. <i>Schizophrenia Research</i> , 2001, 48, 145-153.	2.0	48
20	Changes in sleep theta rhythm are related to episodic memory impairment in early Alzheimer's disease. <i>Biological Psychology</i> , 2011, 87, 334-339.	2.2	46
21	Editorial: The Vestibular System in Cognitive and Memory Processes in Mammals. <i>Frontiers in Integrative Neuroscience</i> , 2015, 9, 55.	2.1	45
22	Otolithic and tonic neck receptors control of limb blood flow in humans. <i>Journal of Applied Physiology</i> , 1997, 82, 1734-1738.	2.5	43
23	Motion perceptions induced by off-vertical axis rotation (OVAR) at small angles of tilt. <i>Experimental Brain Research</i> , 1988, 73, 106-114.	1.5	42
24	Early neurological and neurophysiological development of the preterm infant and polyunsaturated fatty acids supply. <i>Clinical Neurophysiology</i> , 1999, 110, 1363-1370.	1.5	40
25	Motion sickness during off-vertical axis rotation: prediction by a model of sensory interactions and correlation with other forms of motion sickness. <i>Neuroscience Letters</i> , 1996, 203, 183-186.	2.1	38
26	Total sleep deprivation can increase vestibulo-ocular responses. <i>Journal of Sleep Research</i> , 2006, 15, 369-375.	3.2	38
27	Vestibulo-ocular reflex and motion sickness in figure skaters. <i>European Journal of Applied Physiology</i> , 2008, 104, 1031-1037.	2.5	38
28	Interference between walking and a cognitive task is increased in patients with bilateral vestibular loss. <i>Gait and Posture</i> , 2012, 36, 319-321.	1.4	38
29	Bone remodeling is regulated by inner ear vestibular signals. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 2136-2144.	2.8	38
30	New questions on the hemispheric encoding/retrieval asymmetry (HERA) model assessed by divided visual-field tachistoscopies in normal subjects. <i>Neuropsychologia</i> , 2001, 39, 502-509.	1.6	37
31	Zolpidem and zopiclone impair similarly monotonous driving performance after a single nighttime intake in aged subjects. <i>Psychopharmacology</i> , 2011, 214, 699-706.	3.1	37
32	Are eye movement abnormalities indicators of genetic vulnerability to schizophrenia?. <i>European Psychiatry</i> , 2005, 20, 339-345.	0.2	35
33	Effects of zolpidem 10 mg, zopiclone 7.5 mg and flunitrazepam 1 mg on night-time motor activity. <i>European Neuropsychopharmacology</i> , 2003, 13, 111-115.	0.7	34
34	Unilateral Peripheral Semicircular Canal Lesion and Off-Vertical Axis Rotation. <i>Acta Oto-Laryngologica</i> , 1996, 116, 361-367.	0.9	32
35	Vestibular information contributes to update retinotopic maps. <i>NeuroReport</i> , 1999, 10, 3479-3483.	1.2	32
36	Vestibular loss disrupts daily rhythm in rats. <i>Journal of Applied Physiology</i> , 2015, 118, 310-318.	2.5	32

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37	Exploration of Circadian Rhythms in Patients with Bilateral Vestibular Loss. PLoS ONE, 2016, 11, e0155067.	2.5	32
38	Computation of inverse dynamics for the control of movements. Biological Cybernetics, 1996, 75, 173-186.	1.3	31
39	Vergence and Standing Balance in Subjects with Idiopathic Bilateral Loss of Vestibular Function. PLoS ONE, 2013, 8, e66652.	2.5	31
40	Early age-related changes in episodic memory retrieval as revealed by event-related potentials. NeuroReport, 2009, 20, 191-196.	1.2	30
41	Impaired Driving Performance Associated with Effect of Time Duration in Patients with Primary Insomnia. Sleep, 2014, 37, 1565-1573.	1.1	28
42	Effect of an acute increase in central blood volume on cerebral hemodynamics. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R902-R911.	1.8	28
43	Effect of sleep deprivation after a night shift duty on simulated crisis management by residents in anaesthesia. A randomised crossover study. Anaesthesia, Critical Care & Pain Medicine, 2018, 37, 161-166.	1.4	27
44	Specific EEG Sleep Pattern in the Prefrontal Cortex in Primary Insomnia. PLoS ONE, 2015, 10, e0116864.	2.5	26
45	Lateral Semicircular Canal Asymmetry in Idiopathic Scoliosis: An Early Link between Biomechanical, Hormonal and Neurosensory Theories?. PLoS ONE, 2015, 10, e0131120.	2.5	26
46	Prevalence, Predictors, and Prevention of Motion Sickness in Zero-G Parabolic Flights. Aerospace Medicine and Human Performance, 2017, 88, 3-9.	0.4	26
47	Motion sickness occurrence does not correlate with nystagmus characteristics. Neuroscience Letters, 2000, 287, 49-52.	2.1	25
48	Spatial and non-spatial performance in mutant mice devoid of otoliths. Neuroscience Letters, 2012, 522, 57-61.	2.1	25
49	Influence of anxiety in spatial memory impairments related to the loss of vestibular function in rat. Neuroscience, 2012, 218, 161-169.	2.3	23
50	Changes in cerebral oxygenation during parabolic flight. European Journal of Applied Physiology, 2013, 113, 1617-1623.	2.5	23
51	Discrete and Effortful Imagined Movements Do Not Specifically Activate the Autonomic Nervous System. PLoS ONE, 2009, 4, e6769.	2.5	23
52	Impaired Smooth Pursuit in Schizophrenia Results from Prediction Impairment Only. Biological Psychiatry, 2010, 67, 992-997.	1.3	22
53	Is there a relationship between odors and motion sickness?. Neuroscience Letters, 2014, 566, 326-330.	2.1	21
54	Hippocampal and striatal M ₁ muscarinic acetylcholine receptors are downregulated following bilateral vestibular loss in rats. Hippocampus, 2016, 26, 1509-1514.	1.9	21

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55	Vestibular control on blood pressure during parabolic flights in awake rats. <i>NeuroReport</i> , 2004, 15, 2357-2360.	1.2	20
56	Residual effects of hypnotic drugs in aging drivers submitted to simulated accident scenarios: an exploratory study. <i>Psychopharmacology</i> , 2009, 207, 461-467.	3.1	20
57	The Vestibular System: A Newly Identified Regulator of Bone Homeostasis Acting Through the Sympathetic Nervous System. <i>Current Osteoporosis Reports</i> , 2015, 13, 198-205.	3.6	20
58	Jugular and Portal Vein Volume, Middle Cerebral Vein Velocity, and Intracranial Pressure in Dry Immersion. <i>Aerospace Medicine and Human Performance</i> , 2017, 88, 457-462.	0.4	20
59	Long-duration bed rest modifies sympathetic neural recruitment strategies in male and female participants. <i>Journal of Applied Physiology</i> , 2018, 124, 769-779.	2.5	20
60	The cerebellum as a predictor of neural messagesâ€™ll. Role in motor control and motion sickness. <i>Neuroscience</i> , 1993, 56, 647-655.	2.3	19
61	Motion sickness susceptibility correlates with otolith- and canalâ€™ocular reflexes. <i>NeuroReport</i> , 1998, 9, 2253-2256.	1.2	19
62	Motion sickness induced by otolith stimulation is correlated with otolith-induced eye movements. <i>Neuroscience</i> , 2008, 155, 771-779.	2.3	19
63	Stimulation of the rat medullary raphe nuclei induces differential responses in respiratory muscle activity. <i>Respiratory Physiology and Neurobiology</i> , 2009, 165, 208-214.	1.6	19
64	Increased myofiber remodelling and NFATc1-myonuclear translocation in rat postural skeletal muscle after experimental vestibular deafferentation. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2013, 23, 187-193.	2.0	19
65	Vestibular loss promotes procedural response during a spatial task in rats. <i>Hippocampus</i> , 2014, 24, 591-597.	1.9	19
66	Do Zopiclone, Zolpidem and Flunitrazepam have Residual Effects on Simulated Task of Collision Anticipation?. <i>Journal of Psychopharmacology</i> , 2003, 17, 324-331.	4.0	18
67	The ventrolateral surgical approach to labyrinthectomy in rats: anatomical description and clinical consequences. <i>Surgical and Radiologic Anatomy</i> , 2010, 32, 835-842.	1.2	18
68	Ehlers-Danlos Syndrome, Hypermobility Type: Impact of Somatosensory Orthoses on Postural Control (A Pilot Study). <i>Frontiers in Human Neuroscience</i> , 2017, 11, 283.	2.0	17
69	Arterial and venous cerebral blood flow responses to longâ€™term headâ€™down bed rest in male volunteers. <i>Experimental Physiology</i> , 2020, 105, 44-52.	2.0	17
70	Effects of three therapeutic doses of codeine/paracetamol on driving performance, a psychomotor vigilance test, and subjective feelings. <i>Psychopharmacology</i> , 2013, 228, 309-320.	3.1	14
71	Sensorial Countermeasures for Vestibular Spatial Disorientation. <i>Aviation, Space, and Environmental Medicine</i> , 2014, 85, 563-567.	0.5	14
72	Impact of Galvanic Vestibular Stimulation on Anxiety Level in Young Adults. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 14.	2.5	14

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73	Spatial Updating Depends on Gravity. <i>Frontiers in Neural Circuits</i> , 2020, 14, 20.	2.8	14
74	Vestibulo-ocular dysfunction induced by cortical damage in man: a case report. <i>Neuropsychologia</i> , 1999, 37, 715-721.	1.6	13
75	Effect of human head flexion on the control of peripheral blood flow in microgravity and in 1 g. <i>European Journal of Applied Physiology</i> , 2002, 87, 296-303.	2.5	13
76	Internal carotid, external carotid and vertebral artery blood flow responses to 3 days of head-out dry immersion. <i>Experimental Physiology</i> , 2017, 102, 1278-1287.	2.0	13
77	Interaction between graviception and carotid baroreflex function in humans during parabolic flight-induced microgravity. <i>Journal of Applied Physiology</i> , 2018, 125, 634-641.	2.5	12
78	Human ocular counter-rolling and roll tilt perception during off-vertical axis rotation after spaceflight. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2007, 17, 209-15.	2.0	12
79	Low intensity galvanic vestibulo-ocular reflex in normal subjects. <i>Neurophysiologie Clinique</i> , 1998, 28, 413-422.	2.2	11
80	Nonconvulsive status epilepticus: the role of morphine and its antagonist. <i>Neurophysiologie Clinique</i> , 2000, 30, 109-112.	2.2	11
81	Early visual evoked potentials are modulated by eye position in humans induced by whole body rotations. <i>BMC Neuroscience</i> , 2004, 5, 35.	1.9	11
82	Effect of temporal relationship between respiration and body motion on motion sickness. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2009, 151, 142-146.	2.8	11
83	Differential respiratory control of the upper airway and diaphragm muscles induced by 5-HT1A receptor ligands. <i>Sleep and Breathing</i> , 2012, 16, 135-147.	1.7	11
84	Localization of Scopolamine Induced Electro cortical Brain Activity Changes, in Healthy Humans at Rest. <i>Journal of Clinical Pharmacology</i> , 2013, 53, 619-625.	2.0	11
85	Unilateral Vestibular Neuritis with Otolithic Signs and Off-Vertical Axis Rotation. <i>Acta Oto-Laryngologica</i> , 1997, 117, 7-12.	0.9	10
86	Interaction between Cortical Control of Vestibular Function and Spatial Representation in Man. <i>Annals of the New York Academy of Sciences</i> , 2005, 1039, 494-497.	3.8	10
87	Labyrinthectomy decreases bone mineral density in the femoral metaphysis in rats. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2004, 14, 361-5.	2.0	10
88	Influence of multisensory graviceptive information on the apparent zenith. <i>Experimental Brain Research</i> , 2011, 208, 569-579.	1.5	9
89	Does COMT val158met polymorphism influence P50 sensory gating, eye tracking or saccadic inhibition dysfunctions in schizophrenia?. <i>Psychiatry Research</i> , 2016, 246, 738-744.	3.3	9
90	Actigraphy: A new diagnostic tool for hepatic encephalopathy. <i>World Journal of Gastroenterology</i> , 2006, 12, 2243.	3.3	9

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91	Residual effects of hypnotics on disengagement of spatial attention. <i>Journal of Psychopharmacology</i> , 2000, 14, 401-405.	4.0	8
92	Are otolithic inputs interpreted better in figure skaters?. <i>NeuroReport</i> , 2008, 19, 565-568.	1.2	8
93	Structural Layers of Ex Vivo Rat Hippocampus at 7T MRI. <i>PLoS ONE</i> , 2013, 8, e76135.	2.5	8
94	Effects of partial sleep deprivation on within-format and cross-format priming. <i>Sleep</i> , 2006, 29, 58-68.	1.1	8
95	Beat-to-beat agreement of noninvasive tonometric and intra-radial arterial blood pressure during microgravity and hypergravity generated by parabolic flights. <i>Blood Pressure Monitoring</i> , 2007, 12, 357-362.	0.8	7
96	Caractéristiques du réflexe vestibulo-oculaire chez les gymnastes. <i>Science Et Motricite</i> , 2005, , 101-112.	0.3	7
97	Maturation of peripheral nerves in preterm infants. Motor and proprioceptive nerve conduction. <i>Electroencephalography and Clinical Neurophysiology</i> , 1990, 75, 118-121.	0.3	6
98	The saccadic component of ocular pursuit is influenced by the predictability of the target motion in humans. <i>Experimental Brain Research</i> , 2006, 168, 294-297.	1.5	6
99	Noninvasive in-ear monitoring of intracranial pressure during microgravity in parabolic flights. <i>Journal of Applied Physiology</i> , 2018, 125, 353-361.	2.5	6
100	Vestibular decompensation in labyrinthectomized rats placed in weightlessness during parabolic flight. <i>Neuroscience Letters</i> , 2003, 344, 122-126.	2.1	5
101	Eye eccentricity modifies the perception of whole-body rotation. <i>Experimental Brain Research</i> , 2009, 196, 295-301.	1.5	4
102	In-vivo deep brain recordings of intranigral grafted cells in a mouse model of Parkinson's disease. <i>NeuroReport</i> , 2010, 21, 485-489.	1.2	4
103	Does galvanic vestibular stimulation reduce spatial neglect? A negative study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2014, 57, 570-577.	2.3	4
104	Otolith signals contribute to inter-individual differences in the perception of gravity-centered space. <i>Experimental Brain Research</i> , 2014, 232, 1037-1045.	1.5	4
105	Ocular Reflex Phase during Off-Vertical Axis Rotation in Humans is Modified by Head-Turn-On-Trunk Position. <i>Scientific Reports</i> , 2017, 7, 42071.	3.3	4
106	Effects of acute altered gravity during parabolic flight and/or vestibular loss on cell proliferation in the rat dentate gyrus. <i>Neuroscience Letters</i> , 2017, 654, 120-124.	2.1	4
107	Influence of graviceptor stimulation initiated by off-vertical axis rotation on ventilation. <i>Experimental Physiology</i> , 2018, 103, 1010-1019.	2.0	4
108	Vestibulo-Ocular Responses, Visual Field Dependence, and Motion Sickness in Aerobatic Pilots. <i>Aerospace Medicine and Human Performance</i> , 2020, 91, 326-331.	0.4	4

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109	Hyper- and hypogravity alter posture in rats compensated on Earth for a vestibular asymmetry. <i>NeuroReport</i> , 1999, 10, 669-673.	1.2	3
110	Interactions Among the Vestibular, Autonomic, and Skeletal Systems in Artificial Gravity. , 2007, , 233-247.		3
111	Head Pilot: A new webcam-based Head Tracking System tested in permanently disabled patients. <i>Irbm</i> , 2013, 34, 124-130.	5.6	3
112	Effect of vestibular stimulation using a rotatory chair in human rest/activity rhythm. <i>Chronobiology International</i> , 2020, 37, 1244-1251.	2.0	3
113	The effect of EGb 761 on vestibular compensation in the rat. <i>European Journal of Pharmacology</i> , 1990, 183, 1459.	3.5	2
114	Saccadic eye movements and Wisconsin card sorting test in deficit and nondeficit schizophrenia. <i>Schizophrenia Research</i> , 1998, 29, 117.	2.0	2
115	Effects of Partial Sleep Deprivation on Within-Format and Cross-Format Priming. <i>Sleep</i> , 2006, , .	1.1	2
116	The elevator illusion results from the combination of body orientation and egocentric perception. <i>Neuroscience Letters</i> , 2009, 464, 156-159.	2.1	2
117	Twenty-four-hour variation of vestibular function in young and elderly adults. <i>Chronobiology International</i> , 2021, 38, 90-102.	2.0	2
118	Effect of jump exercise training on long-term head-down bed rest-induced cerebral blood flow responses in arteries and veins. <i>Experimental Physiology</i> , 2021, 106, 1549-1558.	2.0	2
119	Noninvasive Monitoring of Breathing and Swallowing Interaction. , 0, , .		2
120	Deficit and negative subtypes in schizophrenia: Clinical and biological differences. <i>Schizophrenia Research</i> , 1998, 29, 33.	2.0	1
121	Effet de lâ€™entraÃ©nement physique et sportif sur le rythme circadien de la tempÃ©rature et le rythme veilleâ€sommeil chez la personne Ã¢gÃ©e. <i>Science and Sports</i> , 2003, 18, 93-103.	0.5	1
122	Residual effects of zolpidem, zopiclone and flunitrazepam on the processing of visual information in driving context. <i>Revue Europeenne De Psychologie Appliquee</i> , 2008, 58, 111-116.	0.8	1
123	Vestibulo-sympathetic reflex in patients with bilateral vestibular loss. <i>Journal of Applied Physiology</i> , 2019, 127, 1238-1244.	2.5	1
124	Vestibular stimulation by 2G hypergravity modifies resynchronization in temperature rhythm in rats. <i>Scientific Reports</i> , 2020, 10, 9216.	3.3	1
125	Eye tracking tests in families of schizophrenic patients. <i>Schizophrenia Research</i> , 2000, 41, 89.	2.0	0
126	Long Duration Bed Rest Modifies Cardioagal Baroreflex Control but not Baroreflex Control of Muscle Sympathetic Action Potential Activity in Humans. <i>FASEB Journal</i> , 2021, 35, .	0.5	0

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127	Chapitre 28. Les agnosies. Neurosciences & Cognition SÃ©rie LMD, 2008, , 713-761.	0.0	0
128	Cerebral Blood Flow Responses To Long Term Head-down Bed Rest. Medicine and Science in Sports and Exercise, 2019, 51, 407-407.	0.4	0