

Jean-Louis Vercher

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,959
citations

159585

30
h-index

182427

51
g-index

90
all docs

90
docs citations

90
times ranked

1931
citing authors

#	ARTICLE	IF	CITATIONS
1	Individual movement features during prism adaptation correlate with after-effects and interlimb transfer. <i>Psychological Research</i> , 2020, 84, 866-880.	1.7	5
2	How do hoverflies use their righting reflex?. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	9
3	Long automated driving phase affects take-over performance. <i>IET Intelligent Transport Systems</i> , 2019, 13, 1249-1255.	3.0	25
4	Detection and prediction of driver drowsiness using artificial neural network models. <i>Accident Analysis and Prevention</i> , 2019, 126, 95-104.	5.7	162
5	Misperception of egocentric distances in virtual environments: More a question of training than a technological issue?. <i>Displays</i> , 2018, 52, 8-20.	3.7	13
6	Adapting artificial neural networks to a specific driver enhances detection and prediction of drowsiness. <i>Accident Analysis and Prevention</i> , 2018, 121, 118-128.	5.7	47
7	Role of the light source position in freely falling hoverflies' stabilization performances. <i>Biology Letters</i> , 2018, 14, 20180051.	2.3	7
8	Modeling visual-based pitch, lift and speed control strategies in hoverflies. <i>PLoS Computational Biology</i> , 2018, 14, e1005894.	3.2	7
9	Sensorimotor Reorganizations of Arm Kinematics and Postural Strategy for Functional Whole-Body Reaching Movements in Microgravity. <i>Frontiers in Physiology</i> , 2017, 8, 821.	2.8	21
10	Generalization of force-field adaptation in proprioceptively-deafferented subjects. <i>Neuroscience Letters</i> , 2016, 616, 160-165.	2.1	23
11	Kinematic features of whole-body reaching movements underwater: Neutral buoyancy effects. <i>Neuroscience</i> , 2016, 327, 125-135.	2.3	14
12	To crash or not to crash: how do hoverflies cope with free-fall situations and weightlessness?. <i>Journal of Experimental Biology</i> , 2016, 219, 2497-2503.	1.7	13
13	Cognitive Workload and Psychophysiological Parameters During Multitask Activity in Helicopter Pilots. <i>Aerospace Medicine and Human Performance</i> , 2015, 86, 1052-1057.	0.4	9
14	Does virtual reality affect visual perception of egocentric distance?. , 2015, , .		2
15	Behavioural evidence for a visual and proprioceptive control of head roll in hoverflies (<i>Episyrphus balteatus</i> , Dipteran). <i>Journal of Experimental Biology</i> , 2015, 218, 3777-87.	1.7	14
16	To transfer or not to transfer? Kinematics and laterality quotient predict interlimb transfer of motor learning. <i>Journal of Neurophysiology</i> , 2015, 114, 2764-2774.	1.8	41
17	Effectiveness of Physiological and Psychological Features to Estimate Helicopter Pilots' Workload: A Bayesian Network Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2013, 14, 1872-1881.	8.0	20
18	Chapitre 2. Sensorimotricité et performance motrice. , 2012, , 71-99.		0

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19	Improving the realism in motion-based driving simulators by adapting tilt-translation technique to human perception. , 2011, , .		7
20	Hand-eye coordination relies on extra-retinal signals: Evidence from reactive saccade adaptation. Behavioural Brain Research, 2011, 218, 248-252.	2.2	5
21	Does tilt/translation ratio affect perception of deceleration in driving simulators?. Journal of Vestibular Research: Equilibrium and Orientation, 2011, 21, 127-139.	2.0	7
22	Ergonomic and gesture performance of robotized instruments for laparoscopic surgery. , 2011, , .		8
23	Bayesian networks and information theory for audio-visual perception modeling. Biological Cybernetics, 2010, 103, 213-226.	1.3	18
24	Force-field adaptation without proprioception: Can vision be used to model limb dynamics?. Neuropsychologia, 2010, 48, 60-67.	1.6	80
25	Pitch body orientation influences the perception of self-motion direction induced by optic flow. Neuroscience Letters, 2010, 482, 193-197.	2.1	12
26	Eye-Hand Coordination in Rhythmical Pointing. Journal of Motor Behavior, 2009, 41, 294-304.	0.9	16
27	Influence of gaze elevation on estimating the possibility of passing under high obstacles during body tilt. Experimental Brain Research, 2009, 193, 19-28.	1.5	3
28	Adaptation of reactive and voluntary saccades: different patterns of adaptation revealed in the antisaccade task. Journal of Physiology, 2009, 587, 127-138.	2.9	42
29	Judging beforehand the possibility of passing under obstacles without motion: the influence of egocentric and geocentric frames of reference. Experimental Brain Research, 2008, 185, 673-680.	1.5	10
30	Coupling kinematics of memory and kinematics of movement: The conditions for a psychological relativity. Human Movement Science, 2008, 27, 532-550.	1.4	0
31	How does practise of internal Chinese martial arts influence postural reaction control?. Journal of Sports Sciences, 2008, 26, 629-642.	2.0	11
32	Modelling Gait Processes as a Combination of Sensory-motor and Cognitive Controls in an Attempt to Describe Accidents on the Level in Occupational Situations. Industrial Health, 2008, 46, 3-14.	1.0	6
33	Coordination of Upper and Lower Body during Balance Recovery following a Support Translation. Perceptual and Motor Skills, 2007, 105, 715-732.	1.3	7
34	Adaptation of Voluntary Saccades, But Not of Reactive Saccades, Transfers to Hand Pointing Movements. Journal of Neurophysiology, 2007, 98, 602-612.	1.8	63
35	Oculomotor plasticity: Are mechanisms of adaptation for reactive and voluntary saccades separate?. Brain Research, 2007, 1135, 107-121.	2.2	73
36	Adaptive control: A review of the ability to acquire and maintain high sensorimotor performance. Computers in Biology and Medicine, 2007, 37, 989-1000.	7.0	6

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37	Internally driven control of reaching movements: A study on a proprioceptively deafferented subject. <i>Brain Research Bulletin</i> , 2006, 69, 404-415.	3.0	101
38	Vision of the hand prior to movement onset allows full motor adaptation to a multi-force environment. <i>Brain Research Bulletin</i> , 2006, 71, 101-110.	3.0	11
39	The contribution of proprioceptive feedback to sensorimotor adaptation. <i>Experimental Brain Research</i> , 2006, 174, 45-52.	1.5	65
40	Fusion of Visuo-ocular and Vestibular Signals in Arm Motor Control. <i>Journal of Neurophysiology</i> , 2006, 95, 1134-1146.	1.8	12
41	Accuracy of spatial localization depending on head posture in a perturbed gravitoinertial force field. <i>Experimental Brain Research</i> , 2005, 161, 432-440.	1.5	10
42	On the nature of the vestibular control of arm-reaching movements during whole-body rotations. <i>Experimental Brain Research</i> , 2005, 164, 431-441.	1.5	38
43	Dissociation between subjective vertical and subjective body orientation elicited by galvanic vestibular stimulation. <i>Brain Research Bulletin</i> , 2005, 65, 77-86.	3.0	25
44	Wrist vibration affects the production of finely graded forces. <i>Aviation, Space, and Environmental Medicine</i> , 2005, 76, 435-40.	0.5	7
45	Perception of the vertical with a head-mounted visual frame during head tilt. <i>Ergonomics</i> , 2004, 47, 1116-1130.	2.1	13
46	Online control of the direction of rapid reaching movements. <i>Experimental Brain Research</i> , 2004, 157, 468-71.	1.5	74
47	From head orientation to hand control: evidence of both neck and vestibular involvement in hand drawing. <i>Experimental Brain Research</i> , 2003, 150, 40-49.	1.5	26
48	Target and hand position information in the online control of goal-directed arm movements. <i>Experimental Brain Research</i> , 2003, 151, 524-535.	1.5	156
49	Role of sensory information in updating internal models of the effector during arm tracking. <i>Progress in Brain Research</i> , 2003, 142, 203-222.	1.4	48
50	On-line versus off-line vestibular-evoked control of goal-directed arm movements. <i>NeuroReport</i> , 2002, 13, 1563-1566.	1.2	29
51	Galvanic vestibular stimulation in humans produces online arm movement deviations when reaching towards memorized visual targets. <i>Neuroscience Letters</i> , 2002, 318, 34-38.	2.1	60
52	Visual signals contribute to the coding of gaze direction. <i>Experimental Brain Research</i> , 2002, 144, 281-292.	1.5	24
53	Visual feedback of the moving arm allows complete adaptation of pointing movements to centrifugal and Coriolis forces in human subjects. <i>Neuroscience Letters</i> , 2001, 301, 25-28.	2.1	22
54	Supramodal effects of galvanic vestibular stimulation on the subjective vertical. <i>NeuroReport</i> , 2001, 12, 2991-2994.	1.2	41

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55	The role of proprioception and attention in a visuomotor adaptation task. <i>Experimental Brain Research</i> , 2000, 132, 114-126.	1.5	154
56	The oculomanual coordination control center takes into account the mechanical properties of the arm. <i>Experimental Brain Research</i> , 1999, 124, 42-52.	1.5	36
57	Does the oculo-manual co-ordination control system use an internal model of the arm dynamics?. <i>Neuroscience Letters</i> , 1999, 265, 139-142.	2.1	22
58	Opposing Resistance to the Head Movement Does not Affect Space Perception During Head Rotations. , 1999, , 193-201.		3
59	Updating visual space during passive and voluntary head-in-space movements. <i>Experimental Brain Research</i> , 1998, 122, 93-100.	1.5	41
60	Adaptation in Visuomanual Tracking Depends on Intact Proprioception. <i>Journal of Motor Behavior</i> , 1998, 30, 234-248.	0.9	25
61	The Role of Ocular Muscle Proprioception During Modifications in Smooth Pursuit Output. <i>Vision Research</i> , 1997, 37, 769-774.	1.4	19
62	Role of arm proprioception in calibrating the arm-eye temporal coordination. <i>Neuroscience Letters</i> , 1997, 237, 109-112.	2.1	15
63	Visual Object Localization through Vestibular and Neck Inputs. 2: Updating Off-Mid-Sagittal-Plane Target Positions. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 1997, 7, 137-143.	2.0	8
64	Manuo-ocular coordination in target tracking. I. A model simulating human performance. <i>Biological Cybernetics</i> , 1997, 77, 257-266.	1.3	40
65	Manuo-ocular coordination in target tracking. II. Comparing the model with human behavior. <i>Biological Cybernetics</i> , 1997, 77, 267-275.	1.3	21
66	Integrating Reflexes and Voluntary Behaviours: Coordination and Adaptation Controls in Man. , 1997, , 189-205.		1
67	Self-moved target eye tracking in control and deafferented subjects: roles of arm motor command and proprioception in arm-eye coordination. <i>Journal of Neurophysiology</i> , 1996, 76, 1133-1144.	1.8	59
68	The relative contribution of retinal and extraretinal signals in determining the accuracy of reaching movements in normal subjects and a deafferented patient. <i>Experimental Brain Research</i> , 1996, 109, 148-53.	1.5	25
69	Changes in Saccadic and Manual Motor Control After Ocular Smooth Pursuit Adaptive Modifications. <i>Journal of Motor Behavior</i> , 1996, 28, 315-323.	0.9	6
70	Encoding the position of a flashed visual target after passive body rotations. <i>NeuroReport</i> , 1995, 6, 1165-1168.	1.2	30
71	Evaluation of saccadic eye movements as an objective test of recovery from anaesthesia. <i>Acta Anaesthesiologica Scandinavica</i> , 1995, 39, 1117-1124.	1.6	13
72	Egocentric visual target position and velocity coding: Role of ocular muscle proprioception. <i>Annals of Biomedical Engineering</i> , 1995, 23, 423-435.	2.5	13

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73	Perception of passive whole-body rotations in the absence of neck and body proprioception. Journal of Neurophysiology, 1995, 74, 2216-2219.	1.8	42
74	Acquisition of Spatial Knowledge Through Visual Exploration of Simulated Environments. Ecological Psychology, 1995, 7, 1-20.	1.1	169
75	Failure to Update the Egocentric Representation of the Visual Space Through Labyrinthine Signal. Brain and Cognition, 1995, 29, 1-22.	1.8	37
76	Internal representation of gaze direction with and without retinal inputs in man. Neuroscience Letters, 1995, 183, 187-189.	2.1	18
77	HUMAN OPERATOR ADAPTATION TO A NEW VISUO-MANUAL RELATIONSHIP. , 1995, , 437-442.		1
78	Visual Target Velocity Coding through Ocular Muscle Proprioception. , 1995, , 550-553.		0
79	Changes in ocular alignment and pointing accuracy after sustained passive rotation of one eye. Vision Research, 1994, 34, 2613-2627.	1.4	27
80	GABAergic control of visual perception in healthy volunteers: effects of midazolam, a benzodiazepine, on spatio-temporal contrast sensitivity.. British Journal of Clinical Pharmacology, 1993, 36, 117-124.	2.4	21
81	Identification of Peripheral Visual Images in a Laterally Restricted Gaze Field. , 1992, , 439-442.		0
82	OCULAR MUSCLE PROPRIOCEPTION AND VISUAL LOCALIZATION OF TARGETS IN MAN. Brain, 1990, 113, 1857-1871.	7.6	65
83	The role of ocular muscle proprioception in visual localization of targets. Science, 1990, 249, 58-61.	12.6	138
84	Pyridostigmine-induced inhibition of blood acetylcholinesterase (AChE) and resulting effects on manual ocular tracking performance in the trained baboon. Behavioral and Neural Biology, 1990, 53, 411-427.	2.2	1
85	Mechanisms of short-term saccadic adaptation.. Journal of Experimental Psychology: Human Perception and Performance, 1989, 15, 249-258.	0.9	74
86	Oculo-manual tracking of visual targets: control learning, coordination control and coordination model. Experimental Brain Research, 1988, 73, 127-137.	1.5	126
87	Cerebellar involvement in the coordination control of the oculo-manual tracking system: effects of cerebellar dentate nucleus lesion. Experimental Brain Research, 1988, 73, 155-166.	1.5	92
88	Release of acetylcholinesterase from the guinea-pig cerebellum in vivo. Neuroscience, 1988, 25, 133-138.	2.3	39