Charalambos Papaxanthis

List of Publications by Year
in descending order

37	1,641	361413	330143
papers	citations	20 h-index	37 g-index

45	45	45	1192
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pain, No Gain: Acute Pain Interrupts Motor Imagery Processes and Affects Mental Training-Induced Plasticity. Cerebral Cortex, 2022, 32, 640-651.	2.9	5
2	Smoothness Discriminates Physical from Motor Imagery Practice of Arm Reaching Movements. Neuroscience, 2022, 483, 24-31.	2.3	5
3	Muscle effort is best minimized by the right-dominant arm in the gravity field. Journal of Neurophysiology, 2022, 127, 1117-1126.	1.8	10
4	Time-of-day effects on skill acquisition and consolidation after physical and mental practices. Scientific Reports, 2022, 12, 5933.	3.3	11
5	Action representation deficits in adolescents with developmental dyslexia. Journal of Neuropsychology, 2021, 15, 215-234.	1.4	3
6	Movement detection thresholds reveal proprioceptive impairments in developmental dyslexia. Scientific Reports, 2021, 11, 299.	3.3	7
7	A cross-species neural integration of gravity for motor optimization. Science Advances, 2021, 7, .	10.3	28
8	Acquisition and consolidation processes following motor imagery practice. Scientific Reports, 2021, 11, 2295.	3.3	22
9	Effects of Simulated Microgravity and Hypergravity Conditions on Arm Movements in Normogravity. Frontiers in Neural Circuits, 2021, 15, 750176.	2.8	3
10	Motor Planning of Vertical Arm Movements in Healthy Older Adults: Does Effort Minimization Persist With Aging?. Frontiers in Aging Neuroscience, 2020, 12, 37.	3.4	11
11	An acute session of motor imagery training induces use-dependent plasticity. Scientific Reports, 2019, 9, 20002.	3.3	28
12	Spinal plasticity with motor imagery practice. Journal of Physiology, 2019, 597, 921-934.	2.9	44
13	Neural plasticity during motor learning with motor imagery practice: Review and perspectives. Neuroscience, 2017, 341, 61-78.	2.3	169
14	The influence of imagery capacity in motor performance improvement. Experimental Brain Research, 2017, 235, 3049-3057.	1.5	35
15	Coherent Multimodal Sensory Information Allows Switching between Gravitoinertial Contexts. Frontiers in Physiology, 2017, 8, 290.	2.8	12
16	New evidence of corticospinal network modulation induced by motor imagery. Journal of Neurophysiology, 2016, 115, 1279-1288.	1.8	55
17	Initial information prior to movement onset influences kinematics of upward arm pointing movements. Journal of Neurophysiology, 2016, 116, 1673-1683.	1.8	15
18	A prolonged motor imagery session alter imagined and actual movement durations: Potential implications for neurorehabilitation. Behavioural Brain Research, 2016, 297, 67-75.	2.2	72

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19	Direction-dependent arm kinematics reveal optimal integration of gravity cues. ELife, 2016, 5, .	6.0	64
20	Motor cortical plasticity induced by motor learning through mental practice. Frontiers in Behavioral Neuroscience, 2015, 9, 105.	2.0	84
21	Motor Imagery in Unipolar Major Depression. Frontiers in Behavioral Neuroscience, 2014, 8, 413.	2.0	10
22	Energy-related optimal control accounts for gravitational load: comparing shoulder, elbow, and wrist rotations. Journal of Neurophysiology, 2014, 111, 4-16.	1.8	60
23	Prism adaptation by mental practice. Cortex, 2013, 49, 2249-2259.	2.4	16
24	Mental Representation of Arm Motion Dynamics in Children and Adolescents. PLoS ONE, 2013, 8, e73042.	2.5	9
25	Interhemispheric Inhibition during Mental Actions of Different Complexity. PLoS ONE, 2013, 8, e56973.	2.5	18
26	Visual gravity influences arm movement planning. Journal of Neurophysiology, 2012, 107, 3433-3445.	1.8	32
27	The Relation between Geometry and Time in Mental Actions. PLoS ONE, 2012, 7, e51191.	2.5	31
28	Sensorimotor adaptation of point-to-point arm movements after spaceflight: the role of internal representation of gravity force in trajectory planning. Journal of Neurophysiology, 2011, 106, 620-629.	1.8	45
29	Muscle Fatigue Affects Mental Simulation of Action. Journal of Neuroscience, 2011, 31, 10712-10720.	3.6	45
30	The Temporal Structure of Vertical Arm Movements. PLoS ONE, 2011, 6, e22045.	2.5	48
31	Motor Learning Without Doing: Trial-by-Trial Improvement in Motor Performance During Mental Training. Journal of Neurophysiology, 2010, 104, 774-783.	1.8	183
32	Mentally Simulated Motor Actions in Children. Developmental Neuropsychology, 2009, 34, 356-367.	1.4	52
33	The influence of eye movements on the temporal features of executed and imagined arm movements. Brain Research, 2008, 1187, 95-102.	2.2	43
34	The Inactivation Principle: Mathematical Solutions Minimizing the Absolute Work and Biological Implications for the Planning of Arm Movements. PLoS Computational Biology, 2008, 4, e1000194.	3.2	120
35	Gait-dependent motor memory facilitation in covert movement execution. Cognitive Brain Research, 2004, 22, 67-75.	3.0	58
36	Trajectories of arm pointing movements on the sagittal plane vary with both direction and speed. Experimental Brain Research, 2003, 148, 498-503.	1.5	95

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37	The sensorimotor and cognitive integration of gravity. Brain Research Reviews, 1998, 28, 92-101.	9.0	84