

Marco Bove

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

2,849
citations

147801

31
h-index

197818

49
g-index

93
all docs

93
docs citations

93
times ranked

3111
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Action Observation Improves Freezing of Gait in Patients With Parkinson's Disease. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 746-752. | 2.9 | 155 |
| 2 | Callosal Contributions to Simultaneous Bimanual Finger Movements. <i>Journal of Neuroscience</i> , 2008, 28, 3227-3233. | 3.6 | 132 |
| 3 | Neck Muscle Vibration and Spatial Orientation During Stepping in Place in Humans. <i>Journal of Neurophysiology</i> , 2002, 88, 2232-2241. | 1.8 | 115 |
| 4 | Effects of leg muscle tendon vibration on group Ia and group II reflex responses to stance perturbation in humans. <i>Journal of Physiology</i> , 2003, 550, 617-630. | 2.9 | 114 |
| 5 | Use-Dependent Hemispheric Balance. <i>Journal of Neuroscience</i> , 2011, 31, 3423-3428. | 3.6 | 102 |
| 6 | Upper limb motor rehabilitation impacts white matter microstructure in multiple sclerosis. <i>NeuroImage</i> , 2014, 90, 107-116. | 4.2 | 90 |
| 7 | Training the Motor Cortex by Observing the Actions of Others During Immobilization. <i>Cerebral Cortex</i> , 2014, 24, 3268-3276. | 2.9 | 85 |
| 8 | The serial reaction time task revisited: a study on motor sequence learning with an arm-reaching task. <i>Experimental Brain Research</i> , 2009, 194, 143-155. | 1.5 | 84 |
| 9 | Motor cortical plasticity induced by motor learning through mental practice. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 105. | 2.0 | 84 |
| 10 | Neck muscle vibration disrupts steering of locomotion. <i>Journal of Applied Physiology</i> , 2001, 91, 581-588. | 2.5 | 80 |
| 11 | Reduction of Bradykinesia of Finger Movements by a Single Session of Action Observation in Parkinson Disease. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 552-560. | 2.9 | 75 |
| 12 | Cerebellar involvement in timing accuracy of rhythmic finger movements in essential tremor. <i>European Journal of Neuroscience</i> , 2009, 30, 1971-1979. | 2.6 | 72 |
| 13 | A New App for At-Home Cognitive Training: Description and Pilot Testing on Patients with Multiple Sclerosis. <i>JMIR MHealth and UHealth</i> , 2015, 3, e85. | 3.7 | 71 |
| 14 | Suppression of the transcallosal motor output: a transcranial magnetic stimulation study in healthy subjects. <i>Experimental Brain Research</i> , 2004, 158, 133-40. | 1.5 | 69 |
| 15 | Shaping Motor Cortex Plasticity Through Proprioception. <i>Cerebral Cortex</i> , 2014, 24, 2807-2814. | 2.9 | 58 |
| 16 | Neck proprioception and spatial orientation in cervical dystonia. <i>Brain</i> , 2004, 127, 2764-2778. | 7.6 | 57 |
| 17 | Adaptive vs. non-adaptive cognitive training by means of a personalized App: a randomized trial in people with multiple sclerosis. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 88. | 4.6 | 56 |
| 18 | The effects of rate and sequence complexity on repetitive finger movements. <i>Brain Research</i> , 2007, 1153, 84-91. | 2.2 | 52 |

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|----|--|-----|-----------|
| 19 | Structural integrity of callosal midbody influences intermanual transfer in a motor reaction-time task. <i>Human Brain Mapping</i> , 2011, 32, 218-228. | 3.6 | 49 |
| 20 | 1â€Hz repetitive TMS over ipsilateral motor cortex influences the performance of sequential finger movements of different complexity. <i>European Journal of Neuroscience</i> , 2008, 27, 1285-1291. | 2.6 | 46 |
| 21 | Spontaneous movement tempo is influenced by observation of rhythmical actions. <i>Brain Research Bulletin</i> , 2009, 80, 122-127. | 3.0 | 46 |
| 22 | The posture-related interaction between Ia-afferent and descending input on the spinal reflex excitability in humans. <i>Neuroscience Letters</i> , 2006, 397, 301-306. | 2.1 | 45 |
| 23 | Temporal expectation in focal hand dystonia. <i>Brain</i> , 2013, 136, 444-454. | 7.6 | 45 |
| 24 | Motor imagery influences the execution of repetitive finger opposition movements. <i>Neuroscience Letters</i> , 2009, 466, 11-15. | 2.1 | 44 |
| 25 | Quantitative Assessment of Finger Motor Impairment in Multiple Sclerosis. <i>PLoS ONE</i> , 2013, 8, e65225. | 2.5 | 44 |
| 26 | Posturographic analysis of balance control in patients with essential tremor. <i>Movement Disorders</i> , 2006, 21, 192-198. | 3.9 | 42 |
| 27 | Provision of somatosensory inputs during motor imagery enhances learning-induced plasticity in human motor cortex. <i>Scientific Reports</i> , 2017, 7, 9300. | 3.3 | 39 |
| 28 | Observing and perceiving: A combined approach to induce plasticity in human motor cortex. <i>Clinical Neurophysiology</i> , 2015, 126, 1212-1220. | 1.5 | 38 |
| 29 | Postural control after a strenuous treadmill exercise. <i>Neuroscience Letters</i> , 2007, 418, 276-281. | 2.1 | 37 |
| 30 | Dynamic Shaping of the Defensive Peripersonal Space through Predictive Motor Mechanisms: When the â€Nearâ€ Becomes â€Farâ€. <i>Journal of Neuroscience</i> , 2017, 37, 2415-2424. | 3.6 | 37 |
| 31 | Cingulum bundle alterations underlie subjective fatigue in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2015, 21, 442-447. | 3.0 | 34 |
| 32 | This racket is not mine: The influence of the tool-use on peripersonal space. <i>Neuropsychologia</i> , 2017, 103, 54-58. | 1.6 | 33 |
| 33 | The fatigue-motor performance paradox in multiple sclerosis. <i>Scientific Reports</i> , 2013, 3, 2001. | 3.3 | 32 |
| 34 | Action observation: mirroring across our spontaneous movement tempo. <i>Scientific Reports</i> , 2015, 5, 10325. | 3.3 | 32 |
| 35 | The Cerebellum Predicts the Temporal Consequences of Observed Motor Acts. <i>PLoS ONE</i> , 2015, 10, e0116607. | 2.5 | 29 |
| 36 | Functional connectivity in the resting-state motor networks influences the kinematic processes during motor sequence learning. <i>European Journal of Neuroscience</i> , 2015, 41, 243-253. | 2.6 | 29 |

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|----|---|-----|-----------|
| 37 | Spontaneous movement tempo can be influenced by combining action observation and somatosensory stimulation. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 228. | 2.0 | 28 |
| 38 | Motor training and the combination of action observation and peripheral nerve stimulation reciprocally interfere with the plastic changes induced in primary motor cortex excitability. <i>Neuroscience</i> , 2017, 348, 33-40. | 2.3 | 28 |
| 39 | Learning by observing: the effect of multiple sessions of action-observation training on the spontaneous movement tempo and motor resonance. <i>Neuropsychologia</i> , 2017, 96, 89-95. | 1.6 | 23 |
| 40 | Postural responses to continuous unilateral neck muscle vibration in standing patients with cervical dystonia. <i>Movement Disorders</i> , 2007, 22, 498-503. | 3.9 | 22 |
| 41 | Movement lateralization and bimanual coordination in children with Tourette syndrome. <i>Movement Disorders</i> , 2011, 26, 2114-2118. | 3.9 | 22 |
| 42 | Asymmetric transcallosal conduction delay leads to finer bimanual coordination. <i>Brain Stimulation</i> , 2021, 14, 379-388. | 1.6 | 19 |
| 43 | Motor sequence learning and intermanual transfer with a phantom limb. <i>Cortex</i> , 2018, 101, 181-191. | 2.4 | 18 |
| 44 | Upper limb motor training based on task-oriented exercises induces functional brain reorganization in patients with multiple sclerosis. <i>Neuroscience</i> , 2019, 410, 150-159. | 2.3 | 18 |
| 45 | Consolidation and retention of motor skill after motor imagery training. <i>Neuropsychologia</i> , 2020, 143, 107472. | 1.6 | 18 |
| 46 | Training methods and analysis of races of a top level Paralympic swimming athlete. <i>Journal of Exercise Rehabilitation</i> , 2018, 14, 612-620. | 1.0 | 18 |
| 47 | Interhemispheric Inhibition during Mental Actions of Different Complexity. <i>PLoS ONE</i> , 2013, 8, e56973. | 2.5 | 18 |
| 48 | Brain activity pattern changes after adaptive working memory training in multiple sclerosis. <i>Brain Imaging and Behavior</i> , 2020, 14, 142-154. | 2.1 | 17 |
| 49 | Selective impairments of motor sequence learning in multiple sclerosis patients with minimal disability. <i>Brain Research</i> , 2014, 1585, 91-98. | 2.2 | 16 |
| 50 | Fatigue in patients with multiple sclerosis: From movement preparation to motor execution. <i>Journal of the Neurological Sciences</i> , 2015, 351, 52-57. | 0.6 | 15 |
| 51 | How people with multiple sclerosis cope with a sustained finger motor task: A behavioural and fMRI study. <i>Behavioural Brain Research</i> , 2017, 325, 63-71. | 2.2 | 15 |
| 52 | “Eppur si move”: The Association Between Electrophysiological and Psychophysical Signatures of Perceived Movement Illusions. <i>Journal of Motor Behavior</i> , 2018, 50, 37-50. | 0.9 | 15 |
| 53 | Motor sequence learning: Acquisition of explicit knowledge is concomitant to changes in motor strategy of finger opposition movements. <i>Brain Research Bulletin</i> , 2011, 85, 104-108. | 3.0 | 14 |
| 54 | Protracted Exercise Without Overt Neuromuscular Fatigue Influences Cortical Excitability. <i>Journal of Motor Behavior</i> , 2013, 45, 127-138. | 0.9 | 14 |

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|----|--|-----|-----------|
| 55 | Quantitative assessment of finger motor performance: Normative data. PLoS ONE, 2017, 12, e0186524. | 2.5 | 14 |
| 56 | Kinaesthetic illusion shapes the cortical plasticity evoked by action observation. Journal of Physiology, 2019, 597, 3233-3245. | 2.9 | 14 |
| 57 | Basal ganglia are active during motor performance recovery after a demanding motor task. NeuroImage, 2013, 65, 257-266. | 4.2 | 13 |
| 58 | Imagined actions in multiple sclerosis patients: evidence of decline in motor cognitive prediction. Experimental Brain Research, 2013, 229, 561-570. | 1.5 | 13 |
| 59 | The kinematics of handwriting movements as expression of cognitive and sensorimotor impairments in people with multiple sclerosis. Scientific Reports, 2017, 7, 17730. | 3.3 | 13 |
| 60 | Frontoparietal cortex and cerebellum contribution to the update of actual and mental motor performance during the day. Scientific Reports, 2016, 6, 30126. | 3.3 | 11 |
| 61 | Defensive peripersonal space is modified by a learnt protective posture. Scientific Reports, 2019, 9, 6739. | 3.3 | 11 |
| 62 | Boosting and consolidating the proprioceptive cortical aftereffect by combining tendon vibration and repetitive TMS over primary motor cortex. Neurological Sciences, 2019, 40, 147-154. | 1.9 | 11 |
| 63 | Time-of-day effects on skill acquisition and consolidation after physical and mental practices. Scientific Reports, 2022, 12, 5933. | 3.3 | 11 |
| 64 | Interaction Between Finger Opposition Movements and Aftereffects of 1Hz-rTMS on Ipsilateral Motor Cortex. Journal of Neurophysiology, 2009, 101, 1690-1694. | 1.8 | 10 |
| 65 | Interhemispheric inhibition is dynamically regulated during action observation. Cortex, 2016, 78, 138-149. | 2.4 | 10 |
| 66 | Sensorimotor Skills Impact on Temporal Expectation: Evidence from Swimmers. Frontiers in Psychology, 2017, 8, 1714. | 2.1 | 10 |
| 67 | An Emotion-Enriched Context Influences the Effect of Action Observation on Cortical Excitability. Frontiers in Human Neuroscience, 2017, 11, 504. | 2.0 | 10 |
| 68 | Evaluation of Handwriting Movement Kinematics: From an Ecological to a Magnetic Resonance Environment. Frontiers in Human Neuroscience, 2016, 10, 488. | 2.0 | 9 |
| 69 | Wearing a Mask Shapes Interpersonal Space during COVID-19 Pandemic. Brain Sciences, 2022, 12, 682. | 2.3 | 9 |
| 70 | Innovative quantitative testing of hand function in Charcot-Marie-Tooth neuropathy. Journal of the Peripheral Nervous System, 2015, 20, 410-414. | 3.1 | 8 |
| 71 | An engineered glove for investigating the neural correlates of finger movements using functional magnetic resonance imaging. Frontiers in Human Neuroscience, 2015, 9, 503. | 2.0 | 8 |
| 72 | Selective sensorimotor modulation operates during cognitive representation of movement. Neuroscience, 2019, 409, 16-25. | 2.3 | 7 |

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|----|--|-----|-----------|
| 73 | Effect of arm cycling and task-oriented exercises on fatigue and upper limb performance in multiple sclerosis: a randomized crossover study. <i>International Journal of Rehabilitation Research</i> , 2019, 42, 300-308. | 1.3 | 7 |
| 74 | Transcutaneous trigeminal nerve stimulation modulates the hand blink reflex. <i>Scientific Reports</i> , 2020, 10, 21116. | 3.3 | 6 |
| 75 | The last chance to pass the ball: investigating the role of temporal expectation and motor resonance in processing temporal errors in motor actions. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 123-134. | 3.0 | 6 |
| 76 | The Effect of Static and Dynamic Stretching during Warm-Up on Running Economy and Perception of Effort in Recreational Endurance Runners. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8386. | 2.6 | 6 |
| 77 | Primary motor cortex excitability as a marker of plasticity in a stimulation protocol combining action observation and kinesthetic illusion of movement. <i>European Journal of Neuroscience</i> , 2021, 53, 2763-2773. | 2.6 | 5 |
| 78 | When "Extraneous" Becomes "Mine": Neurophysiological Evidence of Sensorimotor Integration During Observation of Suboptimal Movement Patterns Performed by People with Multiple Sclerosis. <i>Neuroscience</i> , 2018, 386, 326-338. | 2.3 | 4 |
| 79 | Spatial constraints and cognitive fatigue affect motor imagery of walking in people with multiple sclerosis. <i>Scientific Reports</i> , 2020, 10, 21938. | 3.3 | 4 |
| 80 | Modulation of Response Times During Processing of Emotional Body Language. <i>Frontiers in Psychology</i> , 2021, 12, 616995. | 2.1 | 4 |
| 81 | The role of proprioception in the consolidation of ipsilateral 1Hz-rTMS effects on motor performance. <i>Clinical Neurophysiology</i> , 2012, 123, 577-581. | 1.5 | 3 |
| 82 | Effects of aging on finger movements in multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 37, 101449. | 2.0 | 3 |
| 83 | Right Inferior Parietal Lobule Activity Is Associated With Handwriting Spontaneous Tempo. <i>Frontiers in Neuroscience</i> , 2021, 15, 656856. | 2.8 | 3 |
| 84 | Not Breathing During the Approach Phase Ameliorates Freestyle Turn Performance in Prepubertal Swimmers. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 731953. | 1.8 | 3 |
| 85 | Sensorimotor inhibition during emotional processing. <i>Scientific Reports</i> , 2022, 12, 6998. | 3.3 | 3 |
| 86 | Thinking Before Doing: A Pilot Study on the Application of Motor Imagery as a Learning Method During Physical Education Lesson in High School. <i>Frontiers in Sports and Active Living</i> , 2020, 2, 550744. | 1.8 | 2 |
| 87 | Somatosensory inputs modulate the excitability of cerebellar-cortical interaction. <i>Clinical Neurophysiology</i> , 2021, 132, 3095-3103. | 1.5 | 2 |
| 88 | Cognitive Strategies to Enhance Motor Performance. , 2018, , 248-281. | | 1 |
| 89 | Bimanual coupling effect during a proprioceptive stimulation. <i>Scientific Reports</i> , 2021, 11, 15015. | 3.3 | 1 |
| 90 | Motor Cortical Excitability Changes in Preparation to Concentric and Eccentric Movements. <i>Neuroscience</i> , 2021, 475, 73-82. | 2.3 | 1 |

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|----|---|-----|-----------|
| 91 | Is the 12 minute-walk/run test a predictive index of cognitive fitness in young healthy individuals? A pilot study on aerobic capacity and working memory in a real-life scenario. <i>Neuroscience Letters</i> , 2020, 728, 134983. | 2.1 | 0 |
| 92 | Monitoring Strategies and Intervention Policies for the Enhancement and Protection of Advanced Neuroscientific Research Post COVID-19 in Italy: Preliminary Evidence. <i>Frontiers in Public Health</i> , 2021, 9, 748223. | 2.7 | 0 |