

# Claudia D. Vargas

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,581  
citations

516710

16  
h-index

315739

38  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1744  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visuo-Motor Affective Interplay: Bonding Scenes Promote Implicit Motor Pre-dispositions Associated With Social Grooming—A Pilot Study. <i>Frontiers in Psychology</i> , 2022, 13, 817699.	2.1	2
2	Retrieving the structure of probabilistic sequences of auditory stimuli from EEG data. <i>Scientific Reports</i> , 2021, 11, 3520.	3.3	2
3	Predicting Upcoming Events Occurring in the Space Surrounding the Hand. <i>Neural Plasticity</i> , 2021, 2021, 1-10.	2.2	6
4	Cerebellar damage affects the inference of human motion. <i>Neurocase</i> , 2021, 27, 169-177.	0.6	4
5	The Neuroscience Experiments System (NES)—A Software Tool to Manage Experimental Data and Its Provenance. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 768615.	2.5	2
6	Kinematic Changes in the Uninjured Limb After a Traumatic Brachial Plexus Injury. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 777776.	2.0	4
7	Plasticity in the Brain after a Traumatic Brachial Plexus Injury in Adults. , 2019, , .		4
8	Unilateral Brachial Plexus Lesion Impairs Bilateral Touch Threshold. <i>Frontiers in Neurology</i> , 2019, 10, 872.	2.4	7
9	Retrieving a Context Tree from EEG Data. <i>Mathematics</i> , 2019, 7, 427.	2.2	1
10	Is somatosensory electrical stimulation effective in relieving spasticity? A systematic review. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2019, 19, 317-325.	0.1	4
11	Can somatosensory electrical stimulation relieve spasticity in post-stroke patients? A TMS pilot study. <i>Biomedizinische Technik</i> , 2018, 63, 501-506.	0.8	4
12	Effect of TMS coil orientation on the spatial distribution of motor evoked potentials in an intrinsic hand muscle. <i>Biomedizinische Technik</i> , 2018, 63, 635-645.	0.8	11
13	A Test of Hypotheses for Random Graph Distributions Built from EEG Data. <i>IEEE Transactions on Network Science and Engineering</i> , 2017, 4, 75-82.	6.4	7
14	Is heart rate variability affected by distinct motor imagery strategies?. <i>Physiology and Behavior</i> , 2017, 177, 189-195.	2.1	11
15	Beyond deficit or compensation: new insights on postural control after long-term total visual loss. <i>Experimental Brain Research</i> , 2017, 235, 437-446.	1.5	11
16	Cerebral Dynamics during the Observation of Point-Light Displays Depicting Postural Adjustments. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 217.	2.0	6
17	Can the Recording of Motor Potentials Evoked by Transcranial Magnetic Stimulation Be Optimized?. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 413.	2.0	7
18	Is the Frequency in Somatosensory Electrical Stimulation the Key Parameter in Modulating the Corticospinal Excitability of Healthy Volunteers and Stroke Patients with Spasticity?. <i>Neural Plasticity</i> , 2016, 2016, 1-11.	2.2	10

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19	Balance Impairments after Brachial Plexus Injury as Assessed through Clinical and Posturographic Evaluation. <i>Frontiers in Human Neuroscience</i> , 2016, 9, 715.	2.0	11
20	Observing Grasping Actions Directed to Emotion-Laden Objects: Effects upon Corticospinal Excitability. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 434.	2.0	7
21	Reduced functional connectivity within the primary motor cortex of patients with brachial plexus injury. <i>NeuroImage: Clinical</i> , 2016, 12, 277-284.	2.7	28
22	Motor planning of goal-directed action is tuned by the emotional valence of the stimulus: a kinematic study. <i>Scientific Reports</i> , 2016, 6, 28780.	3.3	23
23	Tactile perception during action observation. <i>Experimental Brain Research</i> , 2016, 234, 2585-2594.	1.5	9
24	Preparing to caress: a neural signature of social bonding. <i>Frontiers in Psychology</i> , 2015, 6, 16.	2.1	17
25	Visual inference of arm movement is constrained by motor representations. <i>Behavioural Brain Research</i> , 2015, 290, 197-200.	2.2	4
26	Modulation of tibialis anterior muscle activity changes with upright stance width. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 168-174.	1.7	19
27	Primary Motor Cortex Representation of Handgrip Muscles in Patients with Leprosy. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003944.	3.0	2
28	Corticospinal Excitability Preceding the Grasping of Emotion-Laden Stimuli. <i>PLoS ONE</i> , 2014, 9, e94824.	2.5	24
29	Motor imagery modulation of body sway is task-dependent and relies on imagery ability. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 290.	2.0	17
30	Motor imagery modulation of postural sway is accompanied by changes in the EMG-COP association. <i>Neuroscience Letters</i> , 2014, 577, 101-105.	2.1	8
31	Biological Motion Coding in the Brain: Analysis of Visually Driven EEG Functional Networks. <i>PLoS ONE</i> , 2014, 9, e84612.	2.5	20
32	Electrophysiological correlates of biological motion permanence in humans. <i>Behavioural Brain Research</i> , 2013, 236, 166-174.	2.2	16
33	Perspective-taking in blindness: electrophysiological evidence of altered action representations. <i>Journal of Neurophysiology</i> , 2013, 109, 405-414.	1.8	5
34	Box for interaction with objects (BIO): A new device to synchronize the presentation of objects with electrophysiological recordings. <i>Behavior Research Methods</i> , 2012, 44, 1115-1120.	4.0	7
35	Role of the parietal cortex in predicting incoming actions. <i>NeuroImage</i> , 2012, 59, 556-564.	4.2	99
36	Preparing to Grasp Emotionally Laden Stimuli. <i>PLoS ONE</i> , 2012, 7, e45235.	2.5	23

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37	Modulation of the response to a somatosensory stimulation of the hand during the observation of manual actions. <i>Experimental Brain Research</i> , 2011, 208, 11-19.	1.5	34
38	Kinesthetic motor imagery modulates body sway. <i>Neuroscience</i> , 2010, 169, 743-750.	2.3	34
39	Blindness and motor imagery. , 2010, , 189-202.		2
40	Hand posture effects on handedness recognition as revealed by the Simon effect. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 59.	2.0	8
41	Re-emergence of hand-muscle representations in human motor cortex after hand allograft. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7197-7202.	7.1	57
42	Inference of complex human motion requires internal models of action: behavioral evidence. <i>Experimental Brain Research</i> , 2008, 185, 399-409.	1.5	19
43	Evaluation of Arm Dominance by Using the Mechanomyographic Signal. <i>Journal of Motor Behavior</i> , 2008, 40, 83-89.	0.9	1
44	Motor imagery in blind subjects: The influence of the previous visual experience. <i>Neuroscience Letters</i> , 2006, 400, 181-185.	2.1	28
45	Postural modulation induced by pictures depicting prosocial or dangerous contexts. <i>Neuroscience Letters</i> , 2006, 410, 52-56.	2.1	152
46	Mapping phantom movement representations in the motor cortex of amputees. <i>Brain</i> , 2006, 129, 2202-2210.	7.6	162
47	A freezing-like posture to pictures of mutilation. <i>Psychophysiology</i> , 2005, 42, 255-260.	2.4	247
48	Tooled for the Task: Vision in the Opossum. <i>BioScience</i> , 2004, 54, 189.	4.9	7
49	Motor activation prior to observation of a predicted movement. <i>Nature Neuroscience</i> , 2004, 7, 1299-1301.	14.8	335
50	Light-induced Egr-1 expression in the striate cortex of the opossum. <i>Brain Research Bulletin</i> , 2003, 61, 139-146.	3.0	12
51	Metabolic changes in the nucleus of the optic tract after monocular enucleation as revealed by cytochrome oxidase histochemistry. <i>Journal of Neurocytology</i> , 2001, 30, 219-230.	1.5	3
52	The Nucleus of the Optic Tract (NOT) and the Dorsal Terminal Nucleus (DTN) of Opossums <i>&lt;i&gt;(Didelphis marsupialis aurita)&lt;/i&gt;</i> . <i>Brain, Behavior and Evolution</i> , 1996, 48, 1-15.	1.7	9