Stephen A Coombes

List of Publications by Citations

56 papers	1,469 citations	25 h-index	37 g-index
60 ext. papers	1,782 ext. citations	5.1 avg, IF	4.79 L-index

#	Paper	IF	Citations
56	Emotion and motor preparation: A transcranial magnetic stimulation study of corticospinal motor tract excitability. *Cognitive, Affective and Behavioral Neuroscience*, **2009**, 9, 380-8	3.5	83
55	Force control and degree of motor impairments in chronic stroke. *Clinical Neurophysiology*, **2010**, 121, 1952-61	4.3	81
54	Attentional control theory: anxiety, emotion, and motor planning. *Journal of Anxiety Disorders*, **2009**, 23, 1072-9	10.9	74
53	Emotion and movement: activation of defensive circuitry alters the magnitude of a sustained muscle contraction. *Neuroscience Letters*, **2006**, 396, 192-6	3.3	72
52	Neuroimaging Evidence of Motor Control and Pain Processing in the Human Midcingulate Cortex. *Cerebral Cortex*, **2015**, 25, 1906-19	5.1	65
51	Emotion and motor control: movement attributes following affective picture processing. *Journal of Motor Behavior*, **2005**, 37, 425-36	1.4	63
50	A Template and Probabilistic Atlas of the Human Sensorimotor Tracts using Diffusion MRI. *Cerebral Cortex*, **2018**, 28, 1685-1699	5.1	61
49	Selective regions of the visuomotor system are related to gain-induced changes in force error. *Journal of Neurophysiology*, **2010**, 103, 2114-23	3.2	60
48	Force control deficits in chronic stroke: grip formation and release phases. *Experimental Brain Research*, **2011**, 211, 1-15	2.3	55
47	Emotional state and initiating cue alter central and peripheral motor processes. *Emotion*, **2007**, 7, 275-84	4.1	53
46	Emotional state affects the initiation of forward gait. *Emotion*, **2011**, 11, 267-77	4.1	52
45	Bimanual isometric force control: asymmetry and coordination evidence post stroke. *Clinical Neurophysiology*, **2012**, 123, 787-95	4.3	49
44	Emotional states alter force control during a feedback occluded motor task. *Emotion*, **2008**, 8, 104-13	4.1	46
43	Dissociating motivational direction and affective valence: specific emotions alter central motor processes. *Psychological Science*, **2007**, 18, 938-42	7.9	41
42	A widespread visually-sensitive functional network relates to symptoms in essential tremor. *Brain*, **2018**, 141, 472-485	11.2	40
41	Spatiotemporal tuning of brain activity and force performance. *NeuroImage*, **2011**, 54, 2226-36	7.9	40
40	Automated classification of pain perception using high-density electroencephalography data. *Journal of Neurophysiology*, **2017**, 117, 786-795	3.2	38

39	Pain and motor processing in the human cerebellum. *Pain*, **2016**, 157, 117-127	8	38
38	Increased force variability in chronic stroke: contributions of force modulation below 1 Hz. *PLoS ONE*, **2013**, 8, e83468	3.7	35
37	Maintaining force control despite changes in emotional context engages dorsomedial prefrontal and premotor cortex. *Cerebral Cortex*, **2012**, 22, 616-27	5.1	33
36	Neurite orientation dispersion and density imaging (NODDI) and free-water imaging in Parkinsonism. *Human Brain Mapping*, **2019**, 40, 5094-5107	5.9	30
35	Functional activity of the sensorimotor cortex and cerebellum relates to cervical dystonia symptoms. *Human Brain Mapping*, **2017**, 38, 4563-4573	5.9	29
34	Bimanual force control strategies in chronic stroke: finger extension versus power grip. *Neuropsychologia*, **2012**, 50, 2536-45	3.2	28
33	Development and Validation of the Automated Imaging Differentiation in Parkinsonism (AID-P): A Multi-Site Machine Learning Study. *The Lancet Digital Health*, **2019**, 1, e222-e231	14.4	27
32	3D Cortical electrophysiology of ballistic upper limb movement in humans. *NeuroImage*, **2015**, 115, 30-41	7.9	25
31	Viewing red prior to a strength test inhibits motor output. *Neuroscience Letters*, **2011**, 495, 44-8	3.3	24
30	Where's the emotion? How sport psychology can inform research on emotion in human factors. *Human Factors*, **2011**, 53, 180-202	3.8	22
29	Visual feedback alters force control and functional activity in the visuomotor network after stroke. *NeuroImage: Clinical*, **2018**, 17, 505-517	5.3	21
28	Beta-band oscillations in the supplementary motor cortex are modulated by levodopa and associated with functional activity in the basal ganglia. *NeuroImage: Clinical*, **2018**, 19, 559-571	5.3	20
27	Pain-Related Suppression of Beta Oscillations Facilitates Voluntary Movement. *Cerebral Cortex*, **2017**, 27, 2592-2606	5.1	19
26	Effects of a force production task and a working memory task on pain perception. *Journal of Pain*, **2013**, 14, 1492-501	5.2	13
25	Dose-response effect of isometric force production on the perception of pain. *PLoS ONE*, **2014**, 9, e88105	3.7	13
24	Cortical dynamics within and between parietal and motor cortex in essential tremor. *Movement Disorders*, **2019**, 34, 95-104	7	11
23	Microstructural properties of premotor pathways predict visuomotor performance in chronic stroke. *Human Brain Mapping*, **2016**, 37, 2039-54	5.9	10
22	Development of a transcallosal tractography template and its application to dementia. *NeuroImage* , **2019**, 200, 302-312	7.9	10

21	Influence of emotion on the control of low-level force production. *Research Quarterly for Exercise and Sport*, **2012**, 83, 353-8	1.9	10
20	Motor-Evoked Pain Increases Force Variability in Chronic Jaw Pain. *Journal of Pain*, **2018**, 19, 636-648	5.2	9
19	Altered neural oscillations within and between sensorimotor cortex and parietal cortex in chronic jaw pain. *NeuroImage: Clinical*, **2019**, 24, 101964	5.3	9
18	Emotional reactivity and force control: the influence of behavioral inhibition. *Human Movement Science*, **2011**, 30, 1052-61	2.4	9
17	Subclinical depression modulates the impact of emotion on force control. *Motivation and Emotion*, **2010**, 34, 432-445	2.5	9
16	Free-water and free-water corrected fractional anisotropy in primary and premotor corticospinal tracts in chronic stroke. *Human Brain Mapping*, **2017**, 38, 4546-4562	5.9	8
15	Transient shifts in frontal and parietal circuits scale with enhanced visual feedback and changes in force variability and error. *Journal of Neurophysiology*, **2013**, 109, 2205-15	3.2	7
14	Chronic stroke and aging: the impact of acoustic stimulus intensity on fractionated reaction time. *Neuroscience Letters*, **2009**, 452, 151-5	3.3	5
13	Cortical dynamics of movement-evoked pain in chronic low back pain. *Journal of Physiology*, **2021**, 599, 289-305	3.9	4
12	Functional brain activity during motor control and pain processing in chronic jaw pain. *Pain*, **2018**, 159, 2547-2564	8	4
11	Reply: Visually-sensitive networks in essential tremor: evidence from structural and functional imaging. *Brain*, **2018**, 141, e48	11.2	3
10	Neurophysiological evidence of the dynamic and adaptive pain-motor interaction. *Journal of Physiology*, **2018**, 596, 2639-2640	3.9	3
9	A Novel Method to Understand Neural Oscillations During Full-Body Reaching: A Combined EEG and 3D Virtual Reality Study. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2020**, 28, 3074-3082	4.8	3
8	Visuomotor brain network activation and functional connectivity among individuals with autism spectrum disorder. *Human Brain Mapping*, **2021**,	5.9	2
7	Chronic jaw pain attenuates neural oscillations during motor-evoked pain. *Brain Research*, **2020**, 1748, 147085	3.7	1
6	The Motion of Emotion. *Advances in Human Factors and Ergonomics Series*, **2010**, 276-283		1
5	Unraveling somatotopic organization in the human brain using machine learning and adaptive supervoxel-based parcellations. *NeuroImage*, **2021**, 245, 118710	7.9	1
4	Empirically derived back pain subgroups differentiated walking performance, pain, and disability. *Pain*, **2021**, 162, 1806-1815	8	0

List of Publications

3	Functional imaging of the brainstem during visually-guided motor control reveals visuomotor regions in the pons and midbrain. *NeuroImage*, **2021**, 226, 117627	7.9	0
2	Pain differences in neurite orientation dispersion and density imaging measures among community-dwelling older adults. *Experimental Gerontology*, **2021**, 154, 111520	4.5	0
1	Advanced diffusion imaging to track progression in Parkinson's disease, multiple system atrophy, and progressive supranuclear palsy.. *NeuroImage: Clinical*, **2022**, 34, 103022	5.3	0