

Stephen A Coombes

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Advanced diffusion imaging to track progression in Parkinson's disease, multiple system atrophy, and progressive supranuclear palsy.. <i>NeuroImage: Clinical</i> , 2022 , 34, 103022	5.3	0
55	Unraveling somatotopic organization in the human brain using machine learning and adaptive supervoxel-based parcellations. <i>NeuroImage</i> , 2021 , 245, 118710	7.9	1
54	Visuomotor brain network activation and functional connectivity among individuals with autism spectrum disorder. <i>Human Brain Mapping</i> , 2021 ,	5.9	2
53	Empirically derived back pain subgroups differentiated walking performance, pain, and disability. <i>Pain</i> , 2021 , 162, 1806-1815	8	0
52	Cortical dynamics of movement-evoked pain in chronic low back pain. <i>Journal of Physiology</i> , 2021 , 599, 289-305	3.9	4
51	Functional imaging of the brainstem during visually-guided motor control reveals visuomotor regions in the pons and midbrain. <i>NeuroImage</i> , 2021 , 226, 117627	7.9	0
50	Pain differences in neurite orientation dispersion and density imaging measures among community-dwelling older adults. <i>Experimental Gerontology</i> , 2021 , 154, 111520	4.5	0
49	Chronic jaw pain attenuates neural oscillations during motor-evoked pain. <i>Brain Research</i> , 2020 , 1748, 147085	3.7	1
48	A Novel Method to Understand Neural Oscillations During Full-Body Reaching: A Combined EEG and 3D Virtual Reality Study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020 , 28, 3074-3082	4.8	3
47	Development and Validation of the Automated Imaging Differentiation in Parkinsonism (AID-P): A Multi-Site Machine Learning Study. <i>The Lancet Digital Health</i> , 2019 , 1, e222-e231	14.4	27
46	Neurite orientation dispersion and density imaging (NODDI) and free-water imaging in Parkinsonism. <i>Human Brain Mapping</i> , 2019 , 40, 5094-5107	5.9	30
45	Altered neural oscillations within and between sensorimotor cortex and parietal cortex in chronic jaw pain. <i>NeuroImage: Clinical</i> , 2019 , 24, 101964	5.3	9
44	Development of a transcallosal tractography template and its application to dementia. <i>NeuroImage</i> , 2019 , 200, 302-312	7.9	10
43	Cortical dynamics within and between parietal and motor cortex in essential tremor. <i>Movement Disorders</i> , 2019 , 34, 95-104	7	11
42	Motor-Evoked Pain Increases Force Variability in Chronic Jaw Pain. <i>Journal of Pain</i> , 2018 , 19, 636-648	5.2	9
41	Reply: Visually-sensitive networks in essential tremor: evidence from structural and functional imaging. <i>Brain</i> , 2018 , 141, e48	11.2	3
40	Visual feedback alters force control and functional activity in the visuomotor network after stroke. <i>NeuroImage: Clinical</i> , 2018 , 17, 505-517	5.3	21

39	A widespread visually-sensitive functional network relates to symptoms in essential tremor. <i>Brain</i> , 2018 , 141, 472-485	11.2	40
38	A Template and Probabilistic Atlas of the Human Sensorimotor Tracts using Diffusion MRI. <i>Cerebral Cortex</i> , 2018 , 28, 1685-1699	5.1	61
37	Neurophysiological evidence of the dynamic and adaptive pain-motor interaction. <i>Journal of Physiology</i> , 2018 , 596, 2639-2640	3.9	3
36	Functional brain activity during motor control and pain processing in chronic jaw pain. <i>Pain</i> , 2018 , 159, 2547-2564	8	4
35	Beta-band oscillations in the supplementary motor cortex are modulated by levodopa and associated with functional activity in the basal ganglia. <i>NeuroImage: Clinical</i> , 2018 , 19, 559-571	5.3	20
34	Automated classification of pain perception using high-density electroencephalography data. <i>Journal of Neurophysiology</i> , 2017 , 117, 786-795	3.2	38
33	Free-water and free-water corrected fractional anisotropy in primary and premotor corticospinal tracts in chronic stroke. <i>Human Brain Mapping</i> , 2017 , 38, 4546-4562	5.9	8
32	Functional activity of the sensorimotor cortex and cerebellum relates to cervical dystonia symptoms. <i>Human Brain Mapping</i> , 2017 , 38, 4563-4573	5.9	29
31	Pain-Related Suppression of Beta Oscillations Facilitates Voluntary Movement. <i>Cerebral Cortex</i> , 2017 , 27, 2592-2606	5.1	19
30	Microstructural properties of premotor pathways predict visuomotor performance in chronic stroke. <i>Human Brain Mapping</i> , 2016 , 37, 2039-54	5.9	10
29	Pain and motor processing in the human cerebellum. <i>Pain</i> , 2016 , 157, 117-127	8	38
28	3D Cortical electrophysiology of ballistic upper limb movement in humans. <i>NeuroImage</i> , 2015 , 115, 30-47.9	7.9	25
27	Neuroimaging Evidence of Motor Control and Pain Processing in the Human Midcingulate Cortex. <i>Cerebral Cortex</i> , 2015 , 25, 1906-19	5.1	65
26	Dose-response effect of isometric force production on the perception of pain. <i>PLoS ONE</i> , 2014 , 9, e88105.7	5.7	13
25	Effects of a force production task and a working memory task on pain perception. <i>Journal of Pain</i> , 2013 , 14, 1492-501	5.2	13
24	Transient shifts in frontal and parietal circuits scale with enhanced visual feedback and changes in force variability and error. <i>Journal of Neurophysiology</i> , 2013 , 109, 2205-15	3.2	7
23	Increased force variability in chronic stroke: contributions of force modulation below 1 Hz. <i>PLoS ONE</i> , 2013 , 8, e83468	3.7	35
22	Influence of emotion on the control of low-level force production. <i>Research Quarterly for Exercise and Sport</i> , 2012 , 83, 353-8	1.9	10

21	Bimanual isometric force control: asymmetry and coordination evidence post stroke. <i>Clinical Neurophysiology</i> , 2012 , 123, 787-95	4.3	49
20	Bimanual force control strategies in chronic stroke: finger extension versus power grip. <i>Neuropsychologia</i> , 2012 , 50, 2536-45	3.2	28
19	Maintaining force control despite changes in emotional context engages dorsomedial prefrontal and premotor cortex. <i>Cerebral Cortex</i> , 2012 , 22, 616-27	5.1	33
18	Spatiotemporal tuning of brain activity and force performance. <i>NeuroImage</i> , 2011 , 54, 2226-36	7.9	40
17	Viewing red prior to a strength test inhibits motor output. <i>Neuroscience Letters</i> , 2011 , 495, 44-8	3.3	24
16	Emotional state affects the initiation of forward gait. <i>Emotion</i> , 2011 , 11, 267-77	4.1	52
15	Emotional reactivity and force control: the influence of behavioral inhibition. <i>Human Movement Science</i> , 2011 , 30, 1052-61	2.4	9
14	Force control deficits in chronic stroke: grip formation and release phases. <i>Experimental Brain Research</i> , 2011 , 211, 1-15	2.3	55
13	Where's the emotion? How sport psychology can inform research on emotion in human factors. <i>Human Factors</i> , 2011 , 53, 180-202	3.8	22
12	Selective regions of the visuomotor system are related to gain-induced changes in force error. <i>Journal of Neurophysiology</i> , 2010 , 103, 2114-23	3.2	60
11	Force control and degree of motor impairments in chronic stroke. <i>Clinical Neurophysiology</i> , 2010 , 121, 1952-61	4.3	81
10	Subclinical depression modulates the impact of emotion on force control. <i>Motivation and Emotion</i> , 2010 , 34, 432-445	2.5	9
9	The Motion of Emotion. <i>Advances in Human Factors and Ergonomics Series</i> , 2010 , 276-283		1
8	Emotion and motor preparation: A transcranial magnetic stimulation study of corticospinal motor tract excitability. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2009 , 9, 380-8	3.5	83
7	Attentional control theory: anxiety, emotion, and motor planning. <i>Journal of Anxiety Disorders</i> , 2009 , 23, 1072-9	10.9	74
6	Chronic stroke and aging: the impact of acoustic stimulus intensity on fractionated reaction time. <i>Neuroscience Letters</i> , 2009 , 452, 151-5	3.3	5
5	Emotional states alter force control during a feedback occluded motor task. <i>Emotion</i> , 2008 , 8, 104-13	4.1	46
4	Dissociating motivational direction and affective valence: specific emotions alter central motor processes. <i>Psychological Science</i> , 2007 , 18, 938-42	7.9	41

- 3 Emotional state and initiating cue alter central and peripheral motor processes. *Emotion*, **2007**, 7, 275-84.1 53
- 2 Emotion and movement: activation of defensive circuitry alters the magnitude of a sustained muscle contraction. *Neuroscience Letters*, **2006**, 396, 192-6 33 72
- 1 Emotion and motor control: movement attributes following affective picture processing. *Journal of Motor Behavior*, **2005**, 37, 425-36 1.4 63