Scott A Beardsley

List of Publications by Citations

36 papers	319 citations	10 h-index	17 g-index
45 ext. papers	414 ext. citations	2.5 avg, IF	3.26 L-index

#	Paper	IF	Citations
36	Neural dynamics of phonological processing in the dorsal auditory stream. *Journal of Neuroscience*, **2013**, 33, 15414-24	6.6	50
35	The perception and discrimination of speed in complex motion. *Vision Research*, **1999**, 39, 2213-27	2.1	44
34	Functional Near-Infrared Spectroscopy and Its Clinical Application in the Field of Neuroscience: Advances and Future Directions. *Frontiers in Neuroscience*, **2020**, 14, 724	5.1	38
33	Within-subject joint independent component analysis of simultaneous fMRI/ERP in an auditory oddball paradigm. *NeuroImage*, **2012**, 60, 2247-57	7.9	29
32	Within-socket myoelectric prediction of continuous ankle kinematics for control of a powered transtibial prosthesis. *Journal of Neural Engineering*, **2014**, 11, 056027	5	20
31	Psychophysical evidence for a radial motion bias in complex motion discrimination. *Vision Research*, **2005**, 45, 1569-86	2.1	16
30	A neural network model of spiral-planar motion tuning in MSTd. *Vision Research*, **2003**, 43, 577-95	2.1	13
29	Different motion cues are used to estimate time-to-arrival for frontoparallel and looming trajectories. *Vision Research*, **2011**, 51, 2378-85	2.1	12
28	How can a patient blind to radial motion discriminate shifts in the center-of-motion?. *Journal of Computational Neuroscience*, **2005**, 18, 55-66	1.4	11
27	A laterally interconnected neural architecture in MST accounts for psychophysical discrimination of complex motion patterns. *Journal of Computational Neuroscience*, **2001**, 10, 255-80	1.4	11
26	Computational modelling of optic flow selectivity in MSTd neurons. *Network: Computation in Neural Systems*, **1998**, 9, 467-493	0.7	10
25	Computational modelling of optic flow selectivity in MSTd neurons		10
24	Intention tremor and deficits of sensory feedback control in multiple sclerosis: a pilot study. *Journal of NeuroEngineering and Rehabilitation*, **2014**, 11, 170	5.3	7
23	Improved multi-unit decoding at the brain-machine interface using population temporal linear filtering. *Journal of Neural Engineering*, **2010**, 7, 046012	5	5
22	Global motion mechanisms compensate local motion deficits in a patient with a bilateral occipital lobe lesion. *Experimental Brain Research*, **2006**, 173, 724-32	2.3	5
21	Optimizing Within-Subject Experimental Designs for jICA of Multi-Channel ERP and fMRI. *Frontiers in Neuroscience*, **2018**, 12, 13	5.1	4
20	Integration mechanisms for heading perception. *Seeing and Perceiving*, **2010**, 23, 197-221		4

19	Visual and proprioceptive contributions to compensatory and pursuit tracking movements in humans. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 7356-9	0.9	4
18	Electroencephalography resting-state networks in people with Stroke. *Brain and Behavior*, **2021**, 11, e02097	3.4	4
17	A modular low-clearance wrist orthosis for improving wrist motion in children with cerebral palsy. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 3069-72	0.9	3
16	Global flow impacts time-to-passage judgments based on local motion cues. *Vision Research*, **2011**, 51, 1880-7	2.1	3
15	**2018**,		3
14	Comparison of Whole-Head Functional Near-Infrared Spectroscopy With Functional Magnetic Resonance Imaging and Potential Application in Pediatric Neurology. *Pediatric Neurology*, **2021**, 122, 68-75	2.9	3
13	Role of the cortex in visuomotor control of arm stability. *Journal of Neurophysiology*, **2019**, 122, 2156-2172	3.2	2
12	An effect of relative motion on trajectory discrimination. *Vision Research*, **2008**, 48, 1040-52	2.1	2
11	Differential cortical activation during the perception of moving objects along different trajectories. *Experimental Brain Research*, **2019**, 237, 2665-2673	2.3	1
10	Method for spatial overlap estimation of electroencephalography and functional magnetic resonance imaging responses. *Journal of Neuroscience Methods*, **2019**, 328, 108401	3	1
9	Age-related differentiation of sensorimotor control strategies during pursuit and compensatory tracking. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 3562-5	0.9	1
8	The Effect of Discrete Visual Perturbations on Balance Control during Gait. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2020**, 2020, 3162-3165	0.9	1
7	Continuous Myoelectric Prediction of Future Ankle Angle and Moment Across Ambulation Conditions and Their Transitions. *Frontiers in Neuroscience*, **2021**, 15, 709422	5.1	1
6	Linking Perception and Neurophysiology for Motion Pattern Processing: The Computational Power of Inhibitory Connections in Cortex **2004**, 183-221		1
5	Contributions of implicit and explicit memories to sensorimotor adaptation of movement extent during goal-directed reaching. *Experimental Brain Research*, **2021**, 239, 2445-2459	2.3	0
4	The effect of visual field manipulations on standing balance control in people with multiple sclerosis. *Gait and Posture*, **2021**, 90, 92-98	2.6	0
3	Prediction of EMG Activation Profiles from Gait Kinematics and Kinetics during Multiple Terrains. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 6326-6329	0.9	0
2	Synaptic weighting for physiological responses in recurrent spiking neural networks. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 4187-90	0.9	

EEG and fMRI coupling and decoupling based on joint independent component analysis (jICA).. *Journal of Neuroscience Methods*, **2022**, 369, 109477