

J Andrew Pruszynski

List of Publications by Citations

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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.

62

papers

1,926

citations

21

h-index

43

g-index

95

ext. papers

2,498

ext. citations

6.4

avg, IF

5.33

L-index

#	Paper	IF	Citations
62	Primary motor cortex underlies multi-joint integration for fast feedback control. <i>Nature</i> , 2011 , 478, 387-90	9.4	222
61	Long-latency reflexes of the human arm reflect an internal model of limb dynamics. <i>Current Biology</i> , 2008 , 18, 449-53	6.3	193
60	Rapid motor responses are appropriately tuned to the metrics of a visuospatial task. <i>Journal of Neurophysiology</i> , 2008 , 100, 224-38	3.2	173
59	Optimal feedback control and the long-latency stretch response. <i>Experimental Brain Research</i> , 2012 , 218, 341-59	2.3	172
58	Edge-orientation processing in first-order tactile neurons. <i>Nature Neuroscience</i> , 2014 , 17, 1404-9	25.5	126
57	Temporal evolution of "automatic gain-scaling". <i>Journal of Neurophysiology</i> , 2009 , 102, 992-1003	3.2	91
56	The long-latency reflex is composed of at least two functionally independent processes. <i>Journal of Neurophysiology</i> , 2011 , 106, 449-59	3.2	90
55	Primate upper limb muscles exhibit activity patterns that differ from their anatomical action during a postural task. <i>Journal of Neurophysiology</i> , 2006 , 95, 493-504	3.2	70
54	Goal-dependent modulation of fast feedback responses in primary motor cortex. <i>Journal of Neuroscience</i> , 2014 , 34, 4608-17	6.6	65
53	Distributed task-specific processing of somatosensory feedback for voluntary motor control. <i>ELife</i> , 2016 , 5,	8.9	62
52	Long-latency responses during reaching account for the mechanical interaction between the shoulder and elbow joints. <i>Journal of Neurophysiology</i> , 2009 , 102, 3004-15	3.2	59
51	Stimulus-locked responses on human arm muscles reveal a rapid neural pathway linking visual input to arm motor output. <i>European Journal of Neuroscience</i> , 2010 , 32, 1049-57	3.5	54
50	Spinal stretch reflexes support efficient hand control. <i>Nature Neuroscience</i> , 2019 , 22, 529-533	25.5	44
49	Perturbation-evoked responses in primary motor cortex are modulated by behavioral context. <i>Journal of Neurophysiology</i> , 2014 , 112, 2985-3000	3.2	42
48	Feedforward and Feedback Control Share an Internal Model of the Arms Dynamics. <i>Journal of Neuroscience</i> , 2018 , 38, 10505-10514	6.6	40
47	A Rapid Tactile-Motor Reflex Automatically Guides Reaching toward Handheld Objects. <i>Current Biology</i> , 2016 , 26, 788-92	6.3	37
46	Rapid motor responses quickly integrate visuospatial task constraints. <i>Experimental Brain Research</i> , 2011 , 211, 231-42	2.3	34

45	Fast and accurate edge orientation processing during object manipulation. <i>ELife</i> , 2018 , 7,	8.9	33
44	Goal-dependent modulation of the long-latency stretch response at the shoulder, elbow, and wrist. <i>Journal of Neurophysiology</i> , 2015 , 114, 3242-54	3.2	28
43	Long-latency and voluntary responses to an arm displacement can be rapidly attenuated by perturbation offset. <i>Journal of Neurophysiology</i> , 2010 , 103, 3195-204	3.2	27
42	BOLD responses to tactile stimuli in visual and auditory cortex depend on the frequency content of stimulation. <i>Journal of Cognitive Neuroscience</i> , 2012 , 24, 2120-34	3.1	23
41	Coordinating long-latency stretch responses across the shoulder, elbow, and wrist during goal-directed reaching. <i>Journal of Neurophysiology</i> , 2016 , 116, 2236-2249	3.2	18
40	Compensating for intersegmental dynamics across the shoulder, elbow, and wrist joints during feedforward and feedback control. <i>Journal of Neurophysiology</i> , 2017 , 118, 1984-1997	3.2	16
39	Primary motor cortex and fast feedback responses to mechanical perturbations: a primer on what we know now and some suggestions on what we should find out next. <i>Frontiers in Integrative Neuroscience</i> , 2014 , 8, 72	3.2	15
38	Done in 100 ms: path-dependent visuomotor transformation in the human upper limb. <i>Journal of Neurophysiology</i> , 2018 , 119, 1319-1328	3.2	12
37	Primary motor cortex neurons classified in a postural task predict muscle activation patterns in a reaching task. <i>Journal of Neurophysiology</i> , 2016 , 115, 2021-32	3.2	12
36	Learning New Feedforward Motor Commands Based on Feedback Responses. <i>Current Biology</i> , 2020 , 30, 1941-1948.e3	6.3	11
35	Stability of representational geometry across a wide range of fMRI activity levels. <i>NeuroImage</i> , 2019 , 186, 155-163	7.9	11
34	Edge orientation perception during active touch. <i>Journal of Neurophysiology</i> , 2018 , 120, 2423-2429	3.2	10
33	Stretch reflexes. <i>Current Biology</i> , 2020 , 30, R1025-R1030	6.3	9
32	A rapid visuomotor response on the human upper limb is selectively influenced by implicit motor learning. <i>Journal of Neurophysiology</i> , 2019 , 121, 85-95	3.2	9
31	The language of the brain: real-world neural population codes. <i>Current Opinion in Neurobiology</i> , 2019 , 58, 30-36	7.6	8
30	Concentric radiofrequency arrays to increase the statistical power of resting-state maps in monkeys. <i>NeuroImage</i> , 2018 , 178, 287-294	7.9	8
29	Complex spatiotemporal tuning in human upper-limb muscles. <i>Journal of Neurophysiology</i> , 2010 , 103, 564-72	3.2	6
28	Whole brain mapping of somatosensory responses in awake marmosets investigated with ultra-high-field fMRI. <i>Journal of Neurophysiology</i> , 2020 , 124, 1900-1913	3.2	6

27	Human Touch Receptors Are Sensitive to Spatial Details on the Scale of Single Fingerprint Ridges. <i>Journal of Neuroscience</i> , 2021 , 41, 3622-3634	6.6	6
26	Rapid feedback responses are flexibly coordinated across arm muscles to support goal-directed reaching. <i>Journal of Neurophysiology</i> , 2018 , 119, 537-547	3.2	6
25	Neural network models of the tactile system develop first-order units with spatially complex receptive fields. <i>PLoS ONE</i> , 2018 , 13, e0199196	3.7	5
24	Neuroscience. Reading the mind to move the body. <i>Science</i> , 2015 , 348, 860-1	33.3	5
23	Structure of Population Activity in Primary Motor Cortex for Single Finger Flexion and Extension. <i>Journal of Neuroscience</i> , 2020 , 40, 9210-9223	6.6	5
22	Generalizing movement patterns following shoulder fixation. <i>Journal of Neurophysiology</i> , 2020 , 123, 1193-1205	3.2	4
21	Biting intentions modulate digastric reflex responses to sudden unloading of the jaw. <i>Journal of Neurophysiology</i> , 2014 , 112, 1067-73	3.2	4
20	Orientation processing by synaptic integration across first-order tactile neurons		4
19	Orientation processing by synaptic integration across first-order tactile neurons. <i>PLoS Computational Biology</i> , 2020 , 16, e1008303	5	3
18	Spinal stretch reflexes support efficient control of reaching. <i>Journal of Neurophysiology</i> , 2021 , 125, 1339-1347	3.3	3
17	Sharing voxelwise neuroimaging results from rhesus monkeys and other species with Neurovault. <i>NeuroImage</i> , 2021 , 225, 117518	7.9	3
16	Maintaining arm control during self-triggered and unpredictable unloading perturbations. <i>European Journal of Neuroscience</i> , 2019 , 50, 3531-3543	3.5	2
15	Voluntary modification of rapid tactile-motor responses during reaching differs from its visuomotor counterpart. <i>Journal of Neurophysiology</i> , 2020 , 124, 284-294	3.2	2
14	Sensory information from a slipping object elicits a rapid and automatic shoulder response. <i>Journal of Neurophysiology</i> , 2020 , 123, 1103-1112	3.2	2
13	Motor planning brings human primary somatosensory cortex into action-specific preparatory states. <i>ELife</i> , 2022 , 11,	8.9	2
12	Stability of representational geometry across a wide range of fMRI activity levels		2
11	Neural network models of the tactile system develop first-order units with spatially complex receptive fields		2
10	Skin and muscle receptors shape coordinated fast feedback responses in the upper limb. <i>Current Opinion in Physiology</i> , 2021 , 20, 198-205	2.6	2

9	Temporal encoding of movement in motor cortical neurons. <i>Journal of Neuroscience</i> , 2007 , 27, 10076-7	6.6	1
8	Spinal stretch reflexes support efficient control of reaching		1
7	Generalizing movement patterns following shoulder fixation		1
6	Fast and accurate edge orientation processing during object manipulation		1
5	The planning horizon for movement sequences		1
4	Motor learning and transfer: from feedback to feedforward control		1
3	Rapid feedback responses are flexibly coordinated across arm muscles to support goal-directed reaching		1
2	The Planning Horizon for Movement Sequences. <i>ENeuro</i> , 2021 , 8,	3.9	1
1	Shared internal models for feedforward and feedback control of arm dynamics in non-human primates. <i>European Journal of Neuroscience</i> , 2021 , 53, 1605-1620	3.5	0