# J Andrew Pruszynski

List of Publications by Year
in descending order



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|---|---|---|---|
| 62 papers | 2,793 citations | 331259 21 h-index | 223531 46 g-index |
| 95 all docs | 95 docs citations | 95 times ranked | 1615 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Motor planning brings human primary somatosensory cortex into action-specific preparatory states. ELife, 2022, 11, . | 2.8 | 40 |
| 2 | Mapping the Integration of Sensory Information across Fingers in Human Sensorimotor Cortex. Journal of Neuroscience, 2022, 42, 5173-5185. | 1.7 | 10 |
| 3 | Sharing voxelwise neuroimaging results from rhesus monkeys and other species with Neurovault. NeuroImage, 2021, 225, 117518. | 2.1 | 6 |
| 4 | Shared internal models for feedforward and feedback control of arm dynamics in nonâ€human primates. European Journal of Neuroscience, 2021, 53, 1605-1620. | 1.2 | 8 |
| 5 | The Planning Horizon for Movement Sequences. ENeuro, 2021, 8, ENEURO.0085-21.2021. | 0.9 | 9 |
| 6 | Human Touch Receptors Are Sensitive to Spatial Details on the Scale of Single Fingerprint Ridges. Journal of Neuroscience, 2021, 41, 3622-3634. | 1.7 | 19 |
| 7 | Spinal stretch reflexes support efficient control of reaching. Journal of Neurophysiology, 2021, 125, 1339-1347. | 0.9 | 14 |
| 8 | Skin and muscle receptors shape coordinated fast feedback responses in the upper limb. Current Opinion in Physiology, 2021, 20, 198-205. | 0.9 | 8 |
| 9 | Structure of Population Activity in Primary Motor Cortex for Single Finger Flexion and Extension. Journal of Neuroscience, 2020, 40, 9210-9223. | 1.7 | 13 |
| 10 | Whole brain mapping of somatosensory responses in awake marmosets investigated with ultra-high-field fMRI. Journal of Neurophysiology, 2020, 124, 1900-1913. | 0.9 | 10 |
| 11 | Stretch reflexes. Current Biology, 2020, 30, R1025-R1030. | 1.8 | 17 |
| 12 | Voluntary modification of rapid tactile-motor responses during reaching differs from its visuomotor counterpart. Journal of Neurophysiology, 2020, 124, 284-294. | 0.9 | 7 |
| 13 | Sensory information from a slipping object elicits a rapid and automatic shoulder response. Journal of Neurophysiology, 2020, 123, 1103-1112. | 0.9 | 7 |
| 14 | Generalizing movement patterns following shoulder fixation. Journal of Neurophysiology, 2020, 123, 1193-1205. | 0.9 | 8 |
| 15 | Learning New Feedforward Motor Commands Based on Feedback Responses. Current Biology, 2020, 30, 1941-1948.e3. | 1.8 | 28 |
| 16 | Orientation processing by synaptic integration across first-order tactile neurons. PLoS Computational Biology, 2020, 16, e1008303. | 1.5 | 8 |
| 17 | Orientation processing by synaptic integration across first-order tactile neurons. , 2020, 16, e1008303. | | 0 |
| 18 | Orientation processing by synaptic integration across first-order tactile neurons. , 2020, 16, e1008303. | | 0 |

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| 19 | Orientation processing by synaptic integration across first-order tactile neurons. , 2020, 16, e1008303. | | 0 |
| 20 | Orientation processing by synaptic integration across first-order tactile neurons. , 2020, 16, e1008303. | | 0 |
| 21 | Orientation processing by synaptic integration across first-order tactile neurons. , 2020, 16, e1008303. | | 0 |
| 22 | Orientation processing by synaptic integration across first-order tactile neurons. , 2020, 16, e1008303. | | 0 |
| 23 | The language of the brain: real-world neural population codes. Current Opinion in Neurobiology, 2019, 58, 30-36. | 2.0 | 31 |
| 24 | Maintaining arm control during selfâ€triggered and unpredictable unloading perturbations. European Journal of Neuroscience, 2019, 50, 3531-3543. | 1.2 | 2 |
| 25 | Spinal stretch reflexes support efficient hand control. Nature Neuroscience, 2019, 22, 529-533. | 7.1 | 88 |
| 26 | Stability of representational geometry across a wide range of fMRI activity levels. NeuroImage, 2019, 186, 155-163. | 2.1 | 25 |
| 27 | Science in flux: Registered reports and beyond at the European Journal of Neuroscience. European Journal of Neuroscience, 2019, 49, 4-5. | 1.2 | 5 |
| 28 | A rapid visuomotor response on the human upper limb is selectively influenced by implicit motor learning. Journal of Neurophysiology, 2019, 121, 85-95. | 0.9 | 22 |
| 29 | Rapid feedback responses are flexibly coordinated across arm muscles to support goal-directed reaching. Journal of Neurophysiology, 2018, 119, 537-547. | 0.9 | 10 |
| 30 | Feedforward and Feedback Control Share an Internal Model of the Arm's Dynamics. Journal of Neuroscience, 2018, 38, 10505-10514. | 1.7 | 59 |
| 31 | Edge orientation perception during active touch. Journal of Neurophysiology, 2018, 120, 2423-2429. | 0.9 | 17 |
| 32 | Concentric radiofrequency arrays to increase the statistical power of resting-state maps in monkeys. NeuroImage, 2018, 178, 287-294. | 2.1 | 9 |
| 33 | Done in 100 ms: path-dependent visuomotor transformation in the human upper limb. Journal of Neurophysiology, 2018, 119, 1319-1328. | 0.9 | 28 |
| 34 | Neural network models of the tactile system develop first-order units with spatially complex receptive fields. PLoS ONE, 2018, 13, e0199196. | 1.1 | 9 |
| 35 | Fast and accurate edge orientation processing during object manipulation. ELife, 2018, 7, . | 2.8 | 48 |
| 36 | Registered reports at the <i>European Journal of Neuroscience</i>: consolidating and extending peerâ€reviewed study preâ€registration. European Journal of Neuroscience, 2017, 45, 627-628. | 1.2 | 22 |

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| 37 | Compensating for intersegmental dynamics across the shoulder, elbow, and wrist joints during feedforward and feedback control. Journal of Neurophysiology, 2017, 118, 1984-1997. | 0.9 | 25 |
| 38 | Primary motor cortex neurons classified in a postural task predict muscle activation patterns in a reaching task. Journal of Neurophysiology, 2016, 115, 2021-2032. | 0.9 | 15 |
| 39 | Coordinating long-latency stretch responses across the shoulder, elbow, and wrist during goal-directed reaching. Journal of Neurophysiology, 2016, 116, 2236-2249. | 0.9 | 26 |
| 40 | A Rapid Tactile-Motor Reflex Automatically Guides Reaching toward Handheld Objects. Current Biology, 2016, 26, 788-792. | 1.8 | 65 |
| 41 | Distributed task-specific processing of somatosensory feedback for voluntary motor control. ELife, 2016, 5, . | 2.8 | 86 |
| 42 | Reading the mind to move the body. Science, 2015, 348, 860-861. | 6.0 | 6 |
| 43 | Goal-dependent modulation of the long-latency stretch response at the shoulder, elbow, and wrist. Journal of Neurophysiology, 2015, 114, 3242-3254. | 0.9 | 36 |
| 44 | 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. Frontiers in Integrative Neuroscience, 2014, 8, 72. | 1.0 | 19 |
| 45 | Biting intentions modulate digastric reflex responses to sudden unloading of the jaw. Journal of Neurophysiology, 2014, 112, 1067-1073. | 0.9 | 6 |
| 46 | Edge-orientation processing in first-order tactile neurons. Nature Neuroscience, 2014, 17, 1404-1409. | 7.1 | 166 |
| 47 | Goal-Dependent Modulation of Fast Feedback Responses in Primary Motor Cortex. Journal of Neuroscience, 2014, 34, 4608-4617. | 1.7 | 85 |
| 48 | Perturbation-evoked responses in primary motor cortex are modulated by behavioral context. Journal of Neurophysiology, 2014, 112, 2985-3000. | 0.9 | 51 |
| 49 | BOLD Responses to Tactile Stimuli in Visual and Auditory Cortex Depend on the Frequency Content of Stimulation. Journal of Cognitive Neuroscience, 2012, 24, 2120-2134. | 1.1 | 30 |
| 50 | Optimal feedback control and the long-latency stretch response. Experimental Brain Research, 2012, 218, 341-359. | 0.7 | 240 |
| 51 | Primary motor cortex underlies multi-joint integration for fast feedback control. Nature, 2011, 478, 387-390. | 13.7 | 294 |
| 52 | Rapid motor responses quickly integrate visuospatial task constraints. Experimental Brain Research, 2011, 211, 231-242. | 0.7 | 45 |
| 53 | The long-latency reflex is composed of at least two functionally independent processes. Journal of Neurophysiology, 2011, 106, 449-459. | 0.9 | 112 |
| 54 | Complex Spatiotemporal Tuning in Human Upper-Limb Muscles. Journal of Neurophysiology, 2010, 103, 564-572. | 0.9 | 7 |

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| 55 | Stimulusâ€locked responses on human arm muscles reveal a rapid neural pathway linking visual input to arm motor output. European Journal of Neuroscience, 2010, 32, 1049-1057. | 1.2 | 96 |
| 56 | Long-Latency and Voluntary Responses to an Arm Displacement Can Be Rapidly Attenuated By Perturbation Offset. Journal of Neurophysiology, 2010, 103, 3195-3204. | 0.9 | 29 |
| 57 | Long-Latency Responses During Reaching Account for the Mechanical Interaction Between the Shoulder and Elbow Joints. Journal of Neurophysiology, 2009, 102, 3004-3015. | 0.9 | 69 |
| 58 | Temporal Evolution of â€œAutomatic Gain-Scalingâ€. Journal of Neurophysiology, 2009, 102, 992-1003. | 0.9 | 128 |
| 59 | Long-Latency Reflexes of the Human Arm Reflect an Internal Model of Limb Dynamics. Current Biology, 2008, 18, 449-453. | 1.8 | 232 |
| 60 | Rapid Motor Responses Are Appropriately Tuned to the Metrics of a Visuospatial Task. Journal of Neurophysiology, 2008, 100, 224-238. | 0.9 | 216 |
| 61 | Temporal Encoding of Movement in Motor Cortical Neurons. Journal of Neuroscience, 2007, 27, 10076-10077. | 1.7 | 1 |
| 62 | Primate Upper Limb Muscles Exhibit Activity Patterns That Differ From Their Anatomical Action During a Postural Task. Journal of Neurophysiology, 2006, 95, 493-504. | 0.9 | 77 |