

Konrad P Kording

List of Publications by Year in descending order

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229
papers

16,585
citations

30070

54
h-index

22832

112
g-index

278
all docs

278
docs citations

278
times ranked

17259
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian integration in sensorimotor learning. <i>Nature</i> , 2004, 427, 244-247.	27.8	1,688
2	The need to approximate the use-case in clinical machine learning. <i>GigaScience</i> , 2017, 6, 1-9.	6.4	911
3	Causal Inference in Multisensory Perception. <i>PLoS ONE</i> , 2007, 2, e943.	2.5	810
4	Bayesian decision theory in sensorimotor control. <i>Trends in Cognitive Sciences</i> , 2006, 10, 319-326.	7.8	724
5	A deep learning framework for neuroscience. <i>Nature Neuroscience</i> , 2019, 22, 1761-1770.	14.8	563
6	Mobile Phone Sensor Correlates of Depressive Symptom Severity in Daily-Life Behavior: An Exploratory Study. <i>Journal of Medical Internet Research</i> , 2015, 17, e175.	4.3	549
7	How advances in neural recording affect data analysis. <i>Nature Neuroscience</i> , 2011, 14, 139-142.	14.8	459
8	Toward an Integration of Deep Learning and Neuroscience. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 94.	2.1	400
9	The dynamics of memory as a consequence of optimal adaptation to a changing body. <i>Nature Neuroscience</i> , 2007, 10, 779-786.	14.8	383
10	Relevance of Error: What Drives Motor Adaptation?. <i>Journal of Neurophysiology</i> , 2009, 101, 655-664.	1.8	353
11	Over my fake body: body ownership illusions for studying the multisensory basis of own-body perception. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 141.	2.0	348
12	Estimating the sources of motor errors for adaptation and generalization. <i>Nature Neuroscience</i> , 2008, 11, 1454-1461.	14.8	287
13	Decision Theory: What "Should" the Nervous System Do?. <i>Science</i> , 2007, 318, 606-610.	12.6	268
14	The statistics of natural hand movements. <i>Experimental Brain Research</i> , 2008, 188, 223-236.	1.5	261
15	The relationship between mobile phone location sensor data and depressive symptom severity. <i>PeerJ</i> , 2016, 4, e2537.	2.0	229
16	Physical principles for scalable neural recording. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 137.	2.1	215
17	Predicting scientific success. <i>Nature</i> , 2012, 489, 201-202.	27.8	209
18	Could a Neuroscientist Understand a Microprocessor?. <i>PLoS Computational Biology</i> , 2017, 13, e1005268.	3.2	188

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19	Fall Classification by Machine Learning Using Mobile Phones. PLoS ONE, 2012, 7, e36556.	2.5	159
20	Bayesian models: the structure of the world, uncertainty, behavior, and the brain. Annals of the New York Academy of Sciences, 2011, 1224, 22-39.	3.8	156
21	Different scaling of linear models and deep learning in UKBiobank brain images versus machine-learning datasets. Nature Communications, 2020, 11, 4238.	12.8	156
22	The loss function of sensorimotor learning. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9839-9842.	7.1	155
23	Uncertainty of feedback and state estimation determines the speed of motor adaptation. Frontiers in Computational Neuroscience, 2010, 4, 11.	2.1	154
24	Differential Representations of Prior and Likelihood Uncertainty in the Human Brain. Current Biology, 2012, 22, 1641-1648.	3.9	139
25	The world from a cat's perspective ? statistics of natural videos. Biological Cybernetics, 2004, 90, 41-50.	1.3	138
26	Inferring functional connections between neurons. Current Opinion in Neurobiology, 2008, 18, 582-588.	4.2	131
27	Machine Learning for Neural Decoding. ENeuro, 2020, 7, ENEURO.0506-19.2020.	1.9	123
28	How Are Complex Cell Properties Adapted to the Statistics of Natural Stimuli?. Journal of Neurophysiology, 2004, 91, 206-212.	1.8	120
29	Learning Priors for Bayesian Computations in the Nervous System. PLoS ONE, 2010, 5, e12686.	2.5	119
30	Sensory Cue Integration. , 2011, , .		117
31	Bayesian Integration in Force Estimation. Journal of Neurophysiology, 2004, 92, 3161-3165.	1.8	114
32	Processing of complex stimuli and natural scenes in the visual cortex. Current Opinion in Neurobiology, 2004, 14, 468-473.	4.2	113
33	Integrating top-down and bottom-up sensory processing by somato-dendritic interactions. Journal of Computational Neuroscience, 2000, 8, 161-173.	1.0	106
34	Machine learning to detect signatures of disease in liquid biopsies – a user's guide. Lab on A Chip, 2018, 18, 395-405.	6.0	106
35	Causal mapping of human brain function. Nature Reviews Neuroscience, 2022, 23, 361-375.	10.2	106
36	Wii Fit Balance Board Playing Improves Balance and Gait in Parkinson Disease. PM and R, 2013, 5, 769-777.	1.6	103

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37	Automating Ischemic Stroke Subtype Classification Using Machine Learning and Natural Language Processing. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 2045-2051.	1.6	102
38	Serotonin Affects Movement Gain Control in the Spinal Cord. <i>Journal of Neuroscience</i> , 2014, 34, 12690-12700.	3.6	98
39	Using Mobile Phones for Activity Recognition in Parkinson's Patients. <i>Frontiers in Neurology</i> , 2012, 3, 158.	2.4	97
40	Using and understanding cross-validation strategies. Perspectives on Saeb et al.. <i>GigaScience</i> , 2017, 6, 1-6.	6.4	97
41	The roles of supervised machine learning in systems neuroscience. <i>Progress in Neurobiology</i> , 2019, 175, 126-137.	5.7	88
42	Statistics of Natural Movements Are Reflected in Motor Errors. <i>Journal of Neurophysiology</i> , 2009, 102, 1902-1910.	1.8	87
43	Bayesian Inference of Functional Connectivity and Network Structure From Spikes. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2009, 17, 203-213.	4.9	87
44	Mobile Phone Detection of Semantic Location and Its Relationship to Depression and Anxiety. <i>JMIR MHealth and UHealth</i> , 2017, 5, e112.	3.7	84
45	Chunking as the result of an efficiency computation trade-off. <i>Nature Communications</i> , 2016, 7, 12176.	12.8	80
46	Temporal Integration of Olfactory Perceptual Evidence in Human Orbitofrontal Cortex. <i>Neuron</i> , 2012, 75, 916-927.	8.1	78
47	Hand, belt, pocket or bag: Practical activity tracking with mobile phones. <i>Journal of Neuroscience Methods</i> , 2014, 231, 22-30.	2.5	77
48	Science Concierge: A Fast Content-Based Recommendation System for Scientific Publications. <i>PLoS ONE</i> , 2016, 11, e0158423.	2.5	77
49	Rewiring neural interactions by micro-stimulation. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, .	2.5	76
50	Pain: A Statistical Account. <i>PLoS Computational Biology</i> , 2017, 13, e1005142.	3.2	76
51	Motor learning of novel dynamics is not represented in a single global coordinate system: evaluation of mixed coordinate representations and local learning. <i>Journal of Neurophysiology</i> , 2014, 111, 1165-1182.	1.8	74
52	Quantifying Mesoscale Neuroanatomy Using X-Ray Microtomography. <i>ENeuro</i> , 2017, 4, ENEURO.0195-17.2017.	1.9	74
53	The Statistical Determinants of the Speed of Motor Learning. <i>PLoS Computational Biology</i> , 2016, 12, e1005023.	3.2	73
54	Learning the invariance properties of complex cells from their responses to natural stimuli. <i>European Journal of Neuroscience</i> , 2002, 15, 475-486.	2.6	72

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55	Quasi-experimental causality in neuroscience and behavioural research. <i>Nature Human Behaviour</i> , 2018, 2, 891-898.	12.0	72
56	Premotor and Motor Cortices Encode Reward. <i>PLoS ONE</i> , 2016, 11, e0160851.	2.5	72
57	Unsupervised topic modelling for multi-party spoken discourse. , 2006, , .		71
58	The Relationship between Clinical, Momentary, and Sensor-based Assessment of Depression. , 2015, 2015, .		68
59	Improving on legacy conferences by moving online. <i>ELife</i> , 2020, 9, .	6.0	68
60	Statistical assessment of the stability of neural movement representations. <i>Journal of Neurophysiology</i> , 2011, 106, 764-774.	1.8	67
61	Supervised and unsupervised learning with two sites of synaptic integration. <i>Journal of Computational Neuroscience</i> , 2001, 11, 207-215.	1.0	64
62	Single reach plans in dorsal premotor cortex during a two-target task. <i>Nature Communications</i> , 2018, 9, 3556.	12.8	61
63	Relationship Between Sleep Quality and Mood: Ecological Momentary Assessment Study. <i>JMIR Mental Health</i> , 2019, 6, e12613.	3.3	61
64	Learning with two sites of synaptic integration. <i>Network: Computation in Neural Systems</i> , 2000, 11, 25-39.	3.6	58
65	Functional Connectivity and Tuning Curves in Populations of Simultaneously Recorded Neurons. <i>PLoS Computational Biology</i> , 2012, 8, e1002775.	3.2	58
66	Estimating the Relevance of World Disturbances to Explain Savings, Interference and Long-Term Motor Adaptation Effects. <i>PLoS Computational Biology</i> , 2011, 7, e1002210.	3.2	57
67	Modern Machine Learning as a Benchmark for Fitting Neural Responses. <i>Frontiers in Computational Neuroscience</i> , 2018, 12, 56.	2.1	56
68	The sociology of scientific validity: How professional networks shape judgement in peer review. <i>Research Policy</i> , 2018, 47, 1825-1841.	6.4	56
69	Computer Vision to Automatically Assess Infant Neuromotor Risk. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 2431-2442.	4.9	56
70	Saliency and Saccade Encoding in the Frontal Eye Field During Natural Scene Search. <i>Cerebral Cortex</i> , 2014, 24, 3232-3245.	2.9	55
71	Measuring Cation Dependent DNA Polymerase Fidelity Landscapes by Deep Sequencing. <i>PLoS ONE</i> , 2012, 7, e43876.	2.5	54
72	Automatic discovery of cell types and microcircuitry from neural connectomics. <i>ELife</i> , 2015, 4, e04250.	6.0	53

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73	Toward Perceiving Robots as Humans: Three Handshake Models Face the Turing-Like Handshake Test. IEEE Transactions on Haptics, 2012, 5, 196-207.	2.7	52
74	A Neuroeconomics Approach to Inferring Utility Functions in Sensorimotor Control. PLoS Biology, 2004, 2, e330.	5.6	51
75	Ten simple rules for structuring papers. PLoS Computational Biology, 2017, 13, e1005619.	3.2	48
76	Self versus Environment Motion in Postural Control. PLoS Computational Biology, 2010, 6, e1000680.	3.2	47
77	Bayesian approaches to sensory integration for motor control. Wiley Interdisciplinary Reviews: Cognitive Science, 2011, 2, 419-428.	2.8	47
78	Bayesian Integration and Non-Linear Feedback Control in a Full-Body Motor Task. PLoS Computational Biology, 2009, 5, e1000629.	3.2	46
79	To the Cloud! A Grassroots Proposal to Accelerate Brain Science Discovery. Neuron, 2016, 92, 622-627.	8.1	46
80	Activity Recognition for Persons With Stroke Using Mobile Phone Technology: Toward Improved Performance in a Home Setting. Journal of Medical Internet Research, 2017, 19, e184.	4.3	46
81	Sparse Spectrotemporal Coding of Sounds. Eurasip Journal on Advances in Signal Processing, 2003, 2003, 1.	1.7	45
82	High-Reproducibility and High-Accuracy Method for Automated Topic Classification. Physical Review X, 2015, 5, .	8.9	45
83	Meaningless comparisons lead to false optimism in medical machine learning. PLoS ONE, 2017, 12, e0184604.	2.5	44
84	Multifaceted aspects of chunking enable robust algorithms. Journal of Neurophysiology, 2014, 112, 1849-1856.	1.8	41
85	A cryptography-based approach for movement decoding. Nature Biomedical Engineering, 2017, 1, 967-976.	22.5	41
86	Role of expected reward in frontal eye field during natural scene search. Journal of Neurophysiology, 2016, 116, 645-657.	1.8	39
87	Linear-nonlinear-time-warp-poisson models of neural activity. Journal of Computational Neuroscience, 2018, 45, 173-191.	1.0	39
88	Evaluation of Changes in Depression, Anxiety, and Social Anxiety Using Smartphone Sensor Features: Longitudinal Cohort Study. Journal of Medical Internet Research, 2021, 23, e22844.	4.3	39
89	A muscle-activity-dependent gain between motor cortex and EMG. Journal of Neurophysiology, 2019, 121, 61-73.	1.8	37
90	Hierarchical Bayesian Modeling and Markov Chain Monte Carlo Sampling for Tuning-Curve Analysis. Journal of Neurophysiology, 2010, 103, 591-602.	1.8	36

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91	Population coding of conditional probability distributions in dorsal premotor cortex. <i>Nature Communications</i> , 2018, 9, 1788.	12.8	36
92	Bayesian statistics: relevant for the brain?. <i>Current Opinion in Neurobiology</i> , 2014, 25, 130-133.	4.2	35
93	MoVi: A large multi-purpose human motion and video dataset. <i>PLoS ONE</i> , 2021, 16, e0253157.	2.5	35
94	Saccadic suppression as a perceptual consequence of efficient sensorimotor estimation. <i>ELife</i> , 2017, 6, .	6.0	35
95	Machine Learning and Surgical Outcomes Prediction: A Systematic Review. <i>Journal of Surgical Research</i> , 2021, 264, 346-361.	1.6	34
96	Uncertainty leads to persistent effects on reach representations in dorsal premotor cortex. <i>ELife</i> , 2016, 5, .	6.0	34
97	Extracting Slow Subspaces from Natural Videos Leads to Complex Cells. <i>Lecture Notes in Computer Science</i> , 2001, , 1075-1080.	1.3	33
98	Generalization of Stochastic Visuomotor Rotations. <i>PLoS ONE</i> , 2012, 7, e43016.	2.5	33
99	Scalable Passive Sleep Monitoring Using Mobile Phones: Opportunities and Obstacles. <i>Journal of Medical Internet Research</i> , 2017, 19, e118.	4.3	33
100	Dynamics of orientation tuning in cat V1 neurons depend on location within layers and orientation maps. <i>Frontiers in Neuroscience</i> , 2007, 1, 145-159.	2.8	31
101	The Nervous System Uses Nonspecific Motor Learning in Response to Random Perturbations of Varying Nature. <i>Journal of Neurophysiology</i> , 2010, 104, 3053-3063.	1.8	31
102	Fall Detection in Individuals With Lower Limb Amputations Using Mobile Phones: Machine Learning Enhances Robustness for Real-World Applications. <i>JMIR MHealth and UHealth</i> , 2017, 5, e151.	3.7	31
103	Feature-based attention and spatial selection in frontal eye fields during natural scene search. <i>Journal of Neurophysiology</i> , 2016, 116, 1328-1343.	1.8	30
104	Real-Time Evaluation of a Noninvasive Neuroprosthetic Interface for Control of Reach. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2013, 21, 674-683.	4.9	29
105	EMG Versus Torque Control of Human-Machine Systems: Equalizing Control Signal Variability Does not Equalize Error or Uncertainty. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 660-667.	4.9	29
106	Behavioral tracking gets real. <i>Nature Neuroscience</i> , 2018, 21, 1146-1147.	14.8	29
107	The effect of blur adaptation on accommodative response and pupil size during reading. <i>Journal of Vision</i> , 2010, 10, 1-1.	0.3	28
108	The Generalization of Prior Uncertainty during Reaching. <i>Journal of Neuroscience</i> , 2014, 34, 11470-11484.	3.6	28

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109	Adaptation to random and systematic errors: Comparison of amputee and non-amputee control interfaces with varying levels of process noise. <i>PLoS ONE</i> , 2017, 12, e0170473.	2.5	28
110	Credit Assignment during Movement Reinforcement Learning. <i>PLoS ONE</i> , 2013, 8, e55352.	2.5	27
111	The uncertainty associated with visual flow fields and their influence on postural sway: Weber's law suffices to explain the nonlinearity of vection. <i>Journal of Vision</i> , 2010, 10, 4-4.	0.3	26
112	Motion games improve balance control in stroke survivors: A preliminary study based on the principle of constraint-induced movement therapy. <i>Displays</i> , 2013, 34, 125-131.	3.7	26
113	Statistical Analysis of Molecular Signal Recording. <i>PLoS Computational Biology</i> , 2013, 9, e1003145.	3.2	26
114	Does EMG control lead to distinct motor adaptation?. <i>Frontiers in Neuroscience</i> , 2014, 8, 302.	2.8	26
115	Using noise to shape motor learning. <i>Journal of Neurophysiology</i> , 2017, 117, 728-737.	1.8	26
116	Of Toasters and Molecular Ticker Tapes. <i>PLoS Computational Biology</i> , 2011, 7, e1002291.	3.2	25
117	How much to trust the senses: Likelihood learning. <i>Journal of Vision</i> , 2014, 14, 13-13.	0.3	25
118	Monitoring Functional Capability of Individuals with Lower Limb Amputations Using Mobile Phones. <i>PLoS ONE</i> , 2013, 8, e65340.	2.5	24
119	Computer Use Changes Generalization of Movement Learning. <i>Current Biology</i> , 2014, 24, 82-85.	3.9	24
120	Dopaminergic medication increases reliance on current information in Parkinson's disease. <i>Nature Human Behaviour</i> , 2017, 1, 0129.	12.0	24
121	The development of Bayesian integration in sensorimotor estimation. <i>Journal of Vision</i> , 2018, 18, 8.	0.3	24
122	Learning the Nonlinearity of Neurons from Natural Visual Stimuli. <i>Neural Computation</i> , 2003, 15, 1751-1759.	2.2	23
123	Pose estimates from online videos show that side-by-side walkers synchronize movement under naturalistic conditions. <i>PLoS ONE</i> , 2019, 14, e0217861.	2.5	23
124	A learning rule for dynamic recruitment and decorrelation. <i>Neural Networks</i> , 2000, 13, 1-9.	5.9	22
125	Decoding with limited neural data: a mixture of time-warped trajectory models for directional reaches. <i>Journal of Neural Engineering</i> , 2012, 9, 036002.	3.5	22
126	Cognitive Computational Neuroscience: A New Conference for an Emerging Discipline. <i>Trends in Cognitive Sciences</i> , 2018, 22, 365-367.	7.8	22

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127	Combining transcranial magnetic stimulation with functional magnetic resonance imaging for probing and modulating neural circuits relevant to affective disorders. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2021, 12, e1553.	2.8	22
128	Predicting Cognitive Function from Clinical Measures of Physical Function and Health Status in Older Adults. <i>PLoS ONE</i> , 2015, 10, e0119075.	2.5	22
129	The effects of training breadth on motor generalization. <i>Journal of Neurophysiology</i> , 2014, 112, 2791-2798.	1.8	21
130	Web-Based Assessment of Outcomes After Subarachnoid and Intracerebral Hemorrhage: A New Patient Centered Option for Outcomes Assessment. <i>Neurocritical Care</i> , 2015, 23, 22-27.	2.4	21
131	Neural coordination during reach-to-grasp. <i>Journal of Neurophysiology</i> , 2015, 114, 1827-1836.	1.8	21
132	Quantifying causality in data science with quasi-experiments. <i>Nature Computational Science</i> , 2021, 1, 24-32.	8.0	21
133	Deep networks for motor control functions. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 32.	2.1	20
134	Using psychophysics to ask if the brain samples or maximizes. <i>Journal of Vision</i> , 2015, 15, .	0.3	19
135	Accelerometry-enabled measurement of walking performance with a robotic exoskeleton: a pilot study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 35.	4.6	19
136	High-resolution mapping of DNA polymerase fidelity using nucleotide imbalances and next-generation sequencing. <i>Nucleic Acids Research</i> , 2018, 46, e78-e78.	14.5	19
137	The relationship between text message sentiment and self-reported depression. <i>Journal of Affective Disorders</i> , 2022, 302, 7-14.	4.1	19
138	https://doi.org/10.1109/TASL.2008.2004459	3.2	18
139	Exploration and Exploitation During Sequential Search. <i>Cognitive Science</i> , 2009, 33, 530-541.	1.7	18
140	Sensory Adaptation and Short Term Plasticity as Bayesian Correction for a Changing Brain. <i>PLoS ONE</i> , 2010, 5, e12436.	2.5	18
141	Might a Single Neuron Solve Interesting Machine Learning Problems Through Successive Computations on Its Dendritic Tree?. <i>Neural Computation</i> , 2021, 33, 1554-1571.	2.2	18
142	Measuring Generalization of Visuomotor Perturbations in Wrist Movements Using Mobile Phones. <i>PLoS ONE</i> , 2011, 6, e20290.	2.5	18
143	Activity recognition in patients with lower limb impairments: Do we need training data from each patient?. , 2016, 2016, 3265-3268.		17
144	Non-contact eye-tracking on cats. <i>Journal of Neuroscience Methods</i> , 2001, 110, 103-111.	2.5	16

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145	Quantifying How Staining Methods Bias Measurements of Neuron Morphologies. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 36.	2.5	16
146	Ten Simple Rules for Organizing and Running a Successful Intensive Two-Week Course. <i>Neural Computation</i> , 2019, 31, 1-7.	2.2	16
147	Neurons with Two Sites of Synaptic Integration Learn Invariant Representations. <i>Neural Computation</i> , 2001, 13, 2823-2849.	2.2	15
148	The Database for Reaching Experiments and Models. <i>PLoS ONE</i> , 2013, 8, e78747.	2.5	15
149	Smartwatches Can Detect Walker and Cane Use in Older Adults. <i>Innovation in Aging</i> , 2019, 3, igz008.	0.1	15
150	Spectral Weighting Underlies Perceived Sound Elevation. <i>Scientific Reports</i> , 2019, 9, 1642.	3.3	15
151	A web-based automated machine learning platform to analyze liquid biopsy data. <i>Lab on A Chip</i> , 2020, 20, 2166-2174.	6.0	15
152	Pubmed Parser: A Python Parser for PubMed Open-Access XML Subset and MEDLINE XML Dataset XML Dataset. <i>Journal of Open Source Software</i> , 2020, 5, 1979.	4.6	15
153	On the Similarity of Functional Connectivity between Neurons Estimated across Timescales. <i>PLoS ONE</i> , 2010, 5, e9206.	2.5	14
154	Neuromatch Academy: Teaching Computational Neuroscience with Global Accessibility. <i>Trends in Cognitive Sciences</i> , 2021, 25, 535-538.	7.8	14
155	A How-to-Model Guide for Neuroscience. <i>ENeuro</i> , 2020, 7, ENEURO.0352-19.2019.	1.9	14
156	The Development and Analysis of Integrated Neuroscience Data. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 11.	2.1	13
157	DNA binding strength increases the processivity and activity of a Y-Family DNA polymerase. <i>Scientific Reports</i> , 2017, 7, 4756.	3.3	13
158	Limiting motor skill knowledge via incidental training protects against choking under pressure. <i>Psychonomic Bulletin and Review</i> , 2019, 26, 279-290.	2.8	13
159	Towards Democratizing and Automating Online Conferences: Lessons from the Neuromatch Conferences. <i>Trends in Cognitive Sciences</i> , 2021, 25, 265-268.	7.8	13
160	Trust and Reciprocity: Are Effort and Money Equivalent?. <i>PLoS ONE</i> , 2011, 6, e17113.	2.5	12
161	Sensorimotor priors are effector dependent. <i>Journal of Neurophysiology</i> , 2019, 122, 389-397.	1.8	12
162	Recording Temporal Signals with Minutes Resolution Using Enzymatic DNA Synthesis. <i>Journal of the American Chemical Society</i> , 2021, 143, 16630-16640.	13.7	12

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163	An Examination of the Generalizability of Motor Costs. PLoS ONE, 2013, 8, e53759.	2.5	12
164	Speed Constancy or Only Slowness: What Drives the Kappa Effect. PLoS ONE, 2016, 11, e0154013.	2.5	12
165	A three-dimensional thalamocortical dataset for characterizing brain heterogeneity. Scientific Data, 2020, 7, 358.	5.3	11
166	Scaling of Optogenetically Evoked Signaling in a Higher-Order Corticocortical Pathway in the Anesthetized Mouse. Frontiers in Systems Neuroscience, 2018, 12, 16.	2.5	10
167	Towards learning-to-learn. Current Opinion in Behavioral Sciences, 2019, 29, 45-50.	3.9	10
168	A smartphone-based online system for fall detection with alert notifications and contextual information of real-life falls. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 124.	4.6	10
169	Learning with two sites of synaptic integration. Network: Computation in Neural Systems, 2000, 11, 25-39.	3.6	10
170	Generalization of unconstrained reaching with hand-weight changes. Journal of Neurophysiology, 2013, 109, 137-146.	1.8	9
171	Making Activity Recognition Robust against Deceptive Behavior. PLoS ONE, 2015, 10, e0144795.	2.5	9
172	Policies or knowledge: priors differ between a perceptual and sensorimotor task. Journal of Neurophysiology, 2019, 121, 2267-2275.	1.8	9
173	On the Choice of a Sparse Prior. Reviews in the Neurosciences, 2003, 14, 53-62.	2.9	8
174	What Silly Postures Tell Us about the Brain. Frontiers in Neuroscience, 2012, 6, 154.	2.8	8
175	Multimodal decoding and congruent sensory information enhance reaching performance in subjects with cervical spinal cord injury. Frontiers in Neuroscience, 2014, 8, 123.	2.8	8
176	Credit assignment between body and object probed by an object transportation task. Scientific Reports, 2017, 7, 13415.	3.3	8
177	Causal Inference in Sensorimotor Learning and Control. , 2011, , 30-45.		8
178	Puzzle Imaging: Using Large-Scale Dimensionality Reduction Algorithms for Localization. PLoS ONE, 2015, 10, e0131593.	2.5	8
179	In Praise of "False" Models and Rich Data. Journal of Motor Behavior, 2010, 42, 343-349.	0.9	7
180	Real-time fusion of gaze and EMG for a reaching neuroprosthesis. , 2012, 2012, 739-42.		7

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181	Spatial information in large-scale neural recordings. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 172.	2.1	7
182	Improving the Accuracy of Scores to Predict Gastrostomy after Intracerebral Hemorrhage with Machine Learning. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 3570-3574.	1.6	7
183	Activity Recognition in Individuals Walking With Assistive Devices: The Benefits of Device-Specific Models. <i>JMIR Rehabilitation and Assistive Technologies</i> , 2017, 4, e8.	2.2	7
184	Visual-haptic cue integration with spatial and temporal disparity during pointing movements. <i>Experimental Brain Research</i> , 2011, 210, 67-80.	1.5	6
185	Determining posture from physiological tremor. <i>Experimental Brain Research</i> , 2011, 215, 247-255.	1.5	6
186	The integration of probabilistic information during sensorimotor estimation is unimpaired in children with Cerebral Palsy. <i>PLoS ONE</i> , 2017, 12, e0188741.	2.5	6
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