

Saurabh Vyas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11150419/publications.pdf>

Version: 2024-02-01

18
papers

1,243
citations

933447

10
h-index

1058476

14
g-index

21
all docs

21
docs citations

21
times ranked

1616
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical preparatory activity indexes learned motor memories. <i>Nature</i> , 2022, 602, 274-279.	27.8	38
2	Computation Through Neural Population Dynamics. <i>Annual Review of Neuroscience</i> , 2020, 43, 249-275.	10.7	319
3	Causal Role of Motor Preparation during Error-Driven Learning. <i>Neuron</i> , 2020, 106, 329-339.e4.	8.1	47
4	High-fidelity musculoskeletal modeling reveals that motor planning variability contributes to the speed-accuracy tradeoff. <i>ELife</i> , 2020, 9, .	6.0	9
5	Accurate Estimation of Neural Population Dynamics without Spike Sorting. <i>Neuron</i> , 2019, 103, 292-308.e4.	8.1	195
6	Structure and variability of delay activity in premotor cortex. <i>PLoS Computational Biology</i> , 2019, 15, e1006808.	3.2	18
7	Neural Population Dynamics Underlying Motor Learning Transfer. <i>Neuron</i> , 2018, 97, 1177-1186.e3.	8.1	100
8	Unsupervised Discovery of Demixed, Low-Dimensional Neural Dynamics across Multiple Timescales through Tensor Component Analysis. <i>Neuron</i> , 2018, 98, 1099-1115.e8.	8.1	193
9	InÂVivo Interrogation of Spinal Mechanosensory Circuits. <i>Cell Reports</i> , 2016, 17, 1699-1710.	6.4	62
10	MRBrainS Challenge: Online Evaluation Framework for Brain Image Segmentation in 3T MRI Scans. <i>Computational Intelligence and Neuroscience</i> , 2015, 2015, 1-16.	1.7	179
11	Non-invasive estimation of skin thickness from hyperspectral imaging and validation using echography. <i>Computers in Biology and Medicine</i> , 2015, 57, 173-181.	7.0	21
12	Computing Cardiac Strain from Variational Optical Flow in Four-Dimensional Echocardiography. , 2014, , .		2
13	Estimating physiological skin parameters from hyperspectral signatures. <i>Journal of Biomedical Optics</i> , 2013, 18, 057008.	2.6	24
14	Endocardial Surface Delineation in 3-D Transesophageal Echocardiography. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 2447-2462.	1.5	2
15	Endocardium segmentation in 3D Transesophageal Echocardiography. , 2013, , .		3
16	Hyperspectral signature analysis of skin parameters. , 2013, , .		8
17	Machine learning methods for in vivo skin parameter estimation. , 2013, , .		5
18	Computational modeling of skin reflectance spectra for biological parameter estimation through machine learning. <i>Proceedings of SPIE</i> , 2012, , .	0.8	7