

Michael G Paulin

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

605
citations

933447

10
h-index

839539

18
g-index

23
all docs

23
docs citations

23
times ranked

492
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of the Cerebellum in Motor Control and Perception. <i>Brain, Behavior and Evolution</i> , 1993, 41, 39-50.	1.7	305
2	Digital filters for firing rate estimation. <i>Biological Cybernetics</i> , 1992, 66, 525-531.	1.3	49
3	A Kalman Filter Theory of the Cerebellum. <i>Research Notes in Neural Computing</i> , 1989, , 239-259.	0.1	48
4	Smartphone-assisted monitoring of masticatory muscle activity in freely moving individuals. <i>Clinical Oral Investigations</i> , 2019, 23, 3601-3611.	3.0	28
5	Optimal firing rate estimation. <i>Neural Networks</i> , 2001, 14, 877-881.	5.9	26
6	Cerebellar theory out of control. <i>Behavioral and Brain Sciences</i> , 1996, 19, 470-471.	0.7	25
7	Dynamics and the Single Spike. <i>IEEE Transactions on Neural Networks</i> , 2004, 15, 987-994.	4.2	18
8	Models of vestibular semicircular canal afferent neuron firing activity. <i>Journal of Neurophysiology</i> , 2019, 122, 2548-2567.	1.8	14
9	A model of cerebellar computations for dynamical state estimation. <i>Autonomous Robots</i> , 2001, 11, 279-284.	4.8	12
10	State-space receptive fields of semicircular canal afferent neurons in the bullfrog. <i>Neurocomputing</i> , 2001, 38-40, 293-298.	5.9	12
11	Events in Early Nervous System Evolution. <i>Topics in Cognitive Science</i> , 2021, 13, 25-44.	1.9	12
12	Modelling the firing pattern of bullfrog vestibular neurons responding to naturalistic stimuli. <i>Neurocomputing</i> , 1999, 26-27, 223-228.	5.9	11
13	Evolutionary origins and principles of distributed neural computation for state estimation and movement control in vertebrates. <i>Complexity</i> , 2005, 10, 56-65.	1.6	9
14	Ecological constraints on the origin of neurones. <i>Journal of Mathematical Biology</i> , 2015, 71, 1299-1324.	1.9	9
15	A method for analysing neural computation using receptive fields in state space. <i>Neural Networks</i> , 1998, 11, 1219-1228.	5.9	7
16	Bayesian head state prediction: Computing the dynamic prior with spiking neurons. , 2011, , .		6
17	Effect of electrode characteristics on electromyographic activity of the masseter muscle. <i>Journal of Electromyography and Kinesiology</i> , 2021, 56, 102492.	1.7	5
18	Translations of Steinhausen's Publications Provide Insight Into Their Contributions to Peripheral Vestibular Neuroscience. <i>Frontiers in Neurology</i> , 2021, 12, 676723.	2.4	5

#	ARTICLE	IF	CITATIONS
19	Associations among masticatory muscle activity, physical activity and self-reported oral behaviours in adult women. <i>Clinical Oral Investigations</i> , 2021, 25, 5049-5059.	3.0	3
20	The propagation of errors in sequences of cerebellar theories. <i>Behavioral and Brain Sciences</i> , 1997, 20, 261-262.	0.7	0
21	Peripheral Innervation Patterns and Discharge Properties of Vestibular Afferents in Amniotes and Anamniotes. , 2020, , 228-255.		0