

Peter Foldiak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1152576/publications.pdf>

Version: 2024-02-01

19
papers

1,932
citations

759233

12
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

1374
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning Invariance from Transformation Sequences. <i>Neural Computation</i> , 1991, 3, 194-200.	2.2	558
2	Forming sparse representations by local anti-Hebbian learning. <i>Biological Cybernetics</i> , 1990, 64, 165-170.	1.3	475
3	The Speed of Sight. <i>Journal of Cognitive Neuroscience</i> , 2001, 13, 90-101.	2.3	326
4	The 'Ideal Homunculus': decoding neural population signals. <i>Trends in Neurosciences</i> , 1998, 21, 259-265.	8.6	221
5	Color Sensitivity of Cells Responsive to Complex Stimuli in the Temporal Cortex. <i>Journal of Neurophysiology</i> , 2003, 90, 1245-1256.	1.8	70
6	Out of sight but not out of mind: the neurophysiology of iconic memory in the superior temporal sulcus. <i>Cognitive Neuropsychology</i> , 2005, 22, 316-332.	1.1	59
7	Rapid serial visual presentation for the determination of neural selectivity in area STSa. <i>Progress in Brain Research</i> , 2004, 144, 107-116.	1.4	49
8	The 'Ideal Homunculus': Statistical Inference from Neural Population Responses. , 1993, , 55-60.		46
9	Bayesian Bin Distribution Inference and Mutual Information. <i>IEEE Transactions on Information Theory</i> , 2005, 51, 3766-3779.	2.4	30
10	Stimulus optimisation in primary visual cortex. <i>Neurocomputing</i> , 2001, 38-40, 1217-1222.	5.9	23
11	Sparse coding. <i>Scholarpedia Journal</i> , 2008, 3, 2984.	0.3	23
12	Neural Coding: Non-Local but Explicit and Conceptual. <i>Current Biology</i> , 2009, 19, R904-R906.	3.9	17
13	Learning generalisation and localisation: Competition for stimulus type and receptive field. <i>Neurocomputing</i> , 1996, 11, 297-321.	5.9	14
14	An application of formal concept analysis to semantic neural decoding. <i>Annals of Mathematics and Artificial Intelligence</i> , 2009, 57, 233-248.	1.3	14
15	Modelling spike trains and extracting response latency with Bayesian binning. <i>Journal of Physiology (Paris)</i> , 2010, 104, 128-136.	2.1	3
16	What is wrong with prototypes. <i>Behavioral and Brain Sciences</i> , 1998, 21, 471-472.	0.7	2
17	Bayesian binning for maximising information rate of rapid serial presentation for sensory neurons. <i>BMC Neuroscience</i> , 2007, 8, .	1.9	1
18	Neural Control: Closed-Loop Human Brain Reading. <i>Current Biology</i> , 2011, 21, R80-R81.	3.9	1

#	ARTICLE	IF	CITATIONS
19	Information Theory and the Brain. Roland Baddeley , Peter Hancock , Peter Foldiak. Quarterly Review of Biology, 2001, 76, 264-264.	0.1	0