Peter Foldiak

List of Publications by Year
in descending order

19 papers	1,932 citations	758635 12 h-index	887659 17 g-index
21 all docs	21 docs citations	21 times ranked	1374 citing authors

#	Article	IF	Citations
1	Learning Invariance from Transformation Sequences. Neural Computation, 1991, 3, 194-200.	1.3	558
2	Forming sparse representations by local anti-Hebbian learning. Biological Cybernetics, 1990, 64, 165-170.	0.6	475
3	The Speed of Sight. Journal of Cognitive Neuroscience, 2001, 13, 90-101.	1.1	326
4	The `Ideal Homunculus': decoding neural population signals. Trends in Neurosciences, 1998, 21, 259-265.	4.2	221
5	Color Sensitivity of Cells Responsive to Complex Stimuli in the Temporal Cortex. Journal of Neurophysiology, 2003, 90, 1245-1256.	0.9	70
6	Out of sight but not out of mind: the neurophysiology of iconic memory in the superior temporal sulcus. Cognitive Neuropsychology, 2005, 22, 316-332.	0.4	59
7	Rapid serial visual presentation for the determination of n eural selectivity in area STSa. Progress in Brain Research, 2004, 144, 107-116.	0.9	49
8	The â€˜Ideal Homunculusâ€™: Statistical Inference from Neural Population Responses. , 1993, , 55-60.		46
9	Bayesian Bin Distribution Inference and Mutual Information. IEEE Transactions on Information Theory, 2005, 51, 3766-3779.	1.5	30
10	Stimulus optimisation in primary visual cortex. Neurocomputing, 2001, 38-40, 1217-1222.	3.5	23
11	Sparse coding. Scholarpedia Journal, 2008, 3, 2984.	0.3	23
12	Neural Coding: Non-Local but Explicit and Conceptual. Current Biology, 2009, 19, R904-R906.	1.8	17
13	Learning generalisation and localisation: Competition for stimulus type and receptive field. Neurocomputing, 1996, 11, 297-321.	3.5	14
14	An application of formal concept analysis to semantic neural decoding. Annals of Mathematics and Artificial Intelligence, 2009, 57, 233-248.	0.9	14
15	Modelling spike trains and extracting response latency with Bayesian binning. Journal of Physiology (Paris), 2010, 104, 128-136.	2.1	3
16	What is wrong with prototypes. Behavioral and Brain Sciences, 1998, 21, 471-472.	0.4	2
17	Bayesian binning for maximising information rate of rapid serial presentation for sensory neurons. BMC Neuroscience, 2007, 8, .	0.8	1
18	Neural Control: Closed-Loop Human Brain Reading. Current Biology, 2011, 21, R80-R81.	1.8	1

#	ARTICLE	IF	CITATIONS
19	Information Theory and the Brain. Roland Baddeley , Peter Hancock , Peter Foldiak. Quarterly Review of Biology, 2001, 76, 264-264.	0.0	0