Sohan Seth

List of Publications by Year
in descending order

26	388	1040056	1199594
papers	citations	9	12
		h-index	g-index
26	26	26	501
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Compressed signal reconstruction using the correntropy induced metric. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	47
2	Kernel Methods on Spike Train Space for Neuroscience: A Tutorial. IEEE Signal Processing Magazine, 2013, 30, 149-160.	5.6	43
3	Probabilistic archetypal analysis. Machine Learning, 2016, 102, 85-113.	5.4	42
4	Exploration and retrieval of whole-metagenome sequencing samples. Bioinformatics, 2014, 30, 2471-2479.	4.1	29
5	A test of independence based on a generalized correlation function. Signal Processing, 2011, 91, 15-27.	3.7	27
6	Mixture kernel least mean square. , 2013, , .		27
7	Strictly Positive-Definite Spike Train Kernels for Point-Process Divergences. Neural Computation, 2012, 24, 2223-2250.	2.2	24
8	Quantifying Cognitive State From EEG Using Dependence Measures. IEEE Transactions on Biomedical Engineering, 2012, 59, 2773-2781.	4.2	23
9	Adaptive Inverse Control of Neural Spatiotemporal Spike Patterns With a Reproducing Kernel Hilbert Space (RKHS) Framework. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2013, 21, 532-543.	4.9	23
10	A Unified Framework for Quadratic Measures of Independence. IEEE Transactions on Signal Processing, 2011, 59, 3624-3635.	5.3	16
11	On speeding up computation in information theoretic learning. , 2009, , .		14
12	Variable Selection: A Statistical Dependence Perspective. , 2010, , .		12
13	Modelling-based experiment retrieval: a case study with gene expression clustering. Bioinformatics, 2016, 32, 1388-1394.	4.1	10
14	Robust EEG preprocessing for dependence-based condition discrimination. , 2011, 2011, 1407-10.		8
15	Evaluating dependence in spike train metric spaces. , 2011, , .		6
16	Conditional Association. Neural Computation, 2012, 24, 1882-1905.	2.2	6
17	An Association Framework to Analyze Dependence Structure in Time Series. , 2012, 2012, 6176-9.		6
18	Quantized mixture kernel least mean square. , 2014, , .		6

#	Article	IF	Citations
19	Analyzing dependence structure of the human brain in response to visual stimuli. , 2012, , .		5
20	A conditional distribution function based approach to design nonparametric tests of independence and conditional independence. , 2010, , .		4
21	Estimation of symmetric chi-square divergence for point processes. , 2011, , .		3
22	Learning dependence from samples. International Journal of Bioinformatics Research and Applications, 2014, 10, 43.	0.2	3
23	A metric approach toward point process divergence. , 2011, , .		2
24	Estimation of density ratio and its application to design a measure of dependence. , 2009, , .		1
25	A Test of Granger Non-causality Based on Nonparametric Conditional Independence. , 2010, , .		1
26	A conditional independence perspective of variable selection. , 2010, , .		0