Vikas Singh

List of Publications by Year
in descending order

18 papers	571 citations	840776 11 h-index	996975 15 g-index
18 all docs	18 docs citations	18 times ranked	953 citing authors

#	Article	IF	Citations
1	Learning Invariant Representations using Inverse Contrastive Loss. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 6582-6591.	4.9	0
2	FairALM: Augmented Lagrangian Method for Training Fair Models with Little Regret. Lecture Notes in Computer Science, 2020, 12357, 365-381.	1.3	11
3	Cerebrospinal fluid biomarkers of neurofibrillary tangles and synaptic dysfunction are associated with longitudinal decline in white matter connectivity: A multi-resolution graph analysis. NeuroImage: Clinical, 2019, 21, 101586.	2.7	24
4	Sampling-free Uncertainty Estimation in Gated Recurrent Units with Applications to Normative Modeling in Neuroimaging. Uncertainty in artificial intelligence : proceedings of the ... conference., 2019, 2019, .	0.9	1
5	Statistical tests and identifiability conditions for pooling and analyzing multisite datasets. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1481-1486.	7.1	26
6	Localizing differentially evolving covariance structures via scan statistics. Quarterly of Applied Mathematics, 2018, 77, 357-398.	0.7	1
7	Relative vascular permeability and vascularity across different regions of the rat nasal mucosa: implications for nasal physiology and drug delivery. Scientific Reports, 2016, 6, 31732.	3.3	36
8	3D texture analysis for classification of second harmonic generation images of human ovarian cancer. Scientific Reports, 2016, 6, 35734.	3.3	51
9	Imaging‐based enrichment criteria using deep learning algorithms for efficient clinical trials in mild cognitive impairment. Alzheimer's and Dementia, 2015, 11, 1489-1499.	0.8	57
10	Second harmonic generation microscopy analysis of extracellular matrix changes in human idiopathic pulmonary fibrosis. Journal of Biomedical Optics, 2014, 19, 086014.	2.6	50
11	Texture analysis applied to second harmonic generation image data for ovarian cancer classification. Journal of Biomedical Optics, 2014, 19, 096007.	2.6	41
12	Multi-resolutional shape features via non-Euclidean wavelets: Applications to statistical analysis of cortical thickness. NeuroImage, 2014, 93, 107-123.	4.2	25
13	Ensemble clustering using semidefinite programming with applications. Machine Learning, 2010, 79, 177-200.	5.4	60
14	Half-integrality based algorithms for cosegmentation of images. , 2009, , .		125
15	Generalized median graphs and applications. Journal of Combinatorial Optimization, 2009, 17, 21-44.	1.3	28
16	Half-integrality based algorithms for cosegmentation of images. , 2009, , .		10
17	Cortical Surface Thickness as a Classifier: Boosting for Autism Classification. Lecture Notes in Computer Science, 2008, 11, 999-1007.	1.3	23
18	Ensemble Clustering using Semidefinite Programming. Advances in Neural Information Processing Systems, 2007, 20, 3283.	2.8	2