Jennifer Dy

List of Publications by Year
in descending order

35 papers	1,970 citations	623734 14 h-index	752698 20 g-index
36 all docs	36 docs citations	36 times ranked	2209 citing authors

#	Article	IF	Citations
1	Machine learning-based biomarkers identification from toxicogenomics â€“ Bridging to regulatory relevant phenotypic endpoints. Journal of Hazardous Materials, 2022, 423, 127141.	12.4	9
2	Deep Bayesian Unsupervised Lifelong Learning. Neural Networks, 2022, 149, 95-106.	5.9	14
3	A Computational Neural Model for Mapping Degenerate Neural Architectures. Neuroinformatics, 2022, 20, 965-979.	2.8	2
4	Deep Learning on Multimodal Sensor Data at the Wireless Edge for Vehicular Network. IEEE Transactions on Vehicular Technology, 2022, 71, 7639-7655.	6.3	16
5	Investigating the relationship between emotional granularity and cardiorespiratory physiological activity in daily life. Psychophysiology, 2021, 58, e13818.	2.4	14
6	Enabling precision rehabilitation interventions using wearable sensors and machine learning to track motor recovery. Npj Digital Medicine, 2020, 3, 121.	10.9	55
7	Context-aware experience sampling reveals the scale of variation in affective experience. Scientific Reports, 2020, 10, 12459.	3.3	33
8	Comparing supervised and unsupervised approaches to emotion categorization in the human brain, body, and subjective experience. Scientific Reports, 2020, 10, 20284.	3.3	25
9	Associating Exposures to Adverse Health Outcomes using Decision Trees. , 2020, , .		0
10	Open-World Class Discovery with Kernel Networks. , 2020, , .		12
11	Learn-Prune-Share for Lifelong Learning. , 2020, , .		10
12	Physiological indices of challenge and threat: A dataâ€driven investigation of autonomic nervous system reactivity during an active coping stressor task. Psychophysiology, 2019, 56, e13454.	2.4	28
13	Monitoring Disease Progression With a Quantitative Severity Scale for Retinopathy of Prematurity Using Deep Learning. JAMA Ophthalmology, 2019, 137, 1022.	2.5	81
14	A Quantitative Severity Scale for Retinopathy of Prematurity Using Deep Learning to Monitor Disease Regression After Treatment. JAMA Ophthalmology, 2019, 137, 1029.	2.5	63
15	Classification and comparison via neural networks. Neural Networks, 2019, 118, 65-80.	5.9	18
16	Turning subtypes into disease axes to improve prediction of COPD progression. Thorax, 2019, 74, 906-909.	5.6	3
17	MAC ID Spoofing-Resistant Radio Fingerprinting. , 2019, , .		9
18	Finding a â€˜Newâ€™ Needle in the Haystack: Unseen Radio Detection in Large Populations Using Deep Learning. , 2019, , .		25

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19	Evaluation of a deep learning image assessment system for detecting severe retinopathy of prematurity. British Journal of Ophthalmology, 2019, 103, 580-584.	3.9	114
20	Nature of Emotion Categories: Comment on Cowen and Keltner. Trends in Cognitive Sciences, 2018, 22, 97-99.	7.8	19
21	Automated Diagnosis of Plus Disease in Retinopathy of Prematurity Using Deep Convolutional Neural Networks. JAMA Ophthalmology, 2018, 136, 803.	2.5	442
22	A Hybrid Approach to Identifying Key Factors in Environmental Health Studies. , 2018, , .		5
23	Interactive Kernel Dimension Alternative Clustering on GPUs. , 2018, , .		0
24	Emotion fingerprints or emotion populations? A meta-analytic investigation of autonomic features of emotion categories.. Psychological Bulletin, 2018, 144, 343-393.	6.1	287
25	Subject-specific abnormal region detection in traumatic brain injury using sparse model selection on high dimensional diffusion data. Medical Image Analysis, 2017, 37, 56-65.	11.6	11
26	Interpretable Clustering via Discriminative Rectangle Mixture Model. , 2016, , .		11
27	Editorial to the Special Issue of Selected Papers of SDM 2013. Statistical Analysis and Data Mining, 2014, 7, 227-228.	2.8	0
28	Learning from multiple annotators with varying expertise. Machine Learning, 2014, 95, 291-327.	5.4	100
29	Quantitative synaptic vesicle imaging for evaluating neuron activities in neurodegenerative diseases. , 2011, , .		0
30	A Novel Feature Selection for Intrusion Detection in Virtual Machine Environments. , 2011, , .		2
31	Feature Selection Metric Using AUC Margin for Small Samples and Imbalanced Data Classification Problems. , 2011, , .		2
32	Longitudinal monitoring of patients with Parkinson's disease via wearable sensor technology in the home setting. , 2011, 2011, 1552-5.		23
33	Home monitoring of patients with Parkinson's disease via wearable technology and a web-based application. , 2010, 2010, 4411-4.		55
34	Effective Virtual Machine Monitor Intrusion Detection Using Feature Selection on Highly Imbalanced Data. , 2010, , .		5
35	Monitoring Motor Fluctuations in Patients With Parkinson's Disease Using Wearable Sensors. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 864-873.	3.2	477