Shaista Hussain

List of Publications by Year
in descending order

		1162367	1281420
28 papers	**211** citations	**8** h-index	**11** g-index
28 all docs	**28** docs citations	**28** times ranked	**218** citing authors

#	Article	IF	Citations
1	Remaining Useful Life Prediction of Lithium-Ion Batteries Using Neural Networks with Adaptive Bayesian Learning. Sensors, 2022, 22, 3803.	2.1	8
2	A Perspective into Analysing Tool Wear Condition in Hard-Turning Processâ€"The Key Lessons Learnt. Intelligent Systems Reference Library, 2021, , 79-111.	1.0	0
3	Online Prognosis of Bimodal Crack Evolution for Fatigue Life Prediction of Composite Laminates Using Particle Filters. Applied Sciences (Switzerland), 2021, 11, 6046.	1.3	9
4	Hybrid Particle Filter Trained Neural Network for Prognosis of Lithium-Ion Batteries. IEEE Access, 2021, 9, 135132-135143.	2.6	8
5	Federated Learning for Advanced Manufacturing Based on Industrial IoT Data Analytics. Intelligent Systems Reference Library, 2021, , 143-176.	1.0	3
6	High-content image generation for drug discovery using generative adversarial networks. Neural Networks, 2020, 132, 353-363.	3.3	16
7	Tensor Train Decomposition for Data-Driven Prognosis of Fracture Dynamics in Composite Materials. , 2020, , .		2
8	Data Driven Prognosis of Fracture Dynamics Using Tensor Train and Gaussian Process Regression. IEEE Access, 2020, 8, 222256-222266.	2.6	3
9	Dilated Convolutional Recurrent Deep Network with Transfer Learning for Remaining Useful Life Prediction. Lecture Notes in Computer Science, 2020, , 153-164.	1.0	0
10	Temporal Convolutional Network Based Transfer Learning for Structural Health Monitoring of Composites. Lecture Notes in Computer Science, 2020, , 141-152.	1.0	1
11	Generative Modeling for Synthesis of Cellular Imaging Data for Low-Cost Drug Repurposing Application. Lecture Notes in Computer Science, 2020, , 165-177.	1.0	0
12	DeLHCA: Deep transfer learning for high-content analysis of the effects of drugs on immune cells. , 2019, , .		3
13	Deep Recurrent Architecture with Attention for Remaining Useful Life Estimation. , 2019, , .		10
14	Two-Stage Ensemble of Deep Convolutional Neural Networks for Object Recognition. , 2018, , .		0
15	HCS-PhenoCluster. , 2018, , .		0
16	Digging deep into Golgi phenotypic diversity with unsupervised machine learning. Molecular Biology of the Cell, 2017, 28, 3686-3698.	0.9	8
17	Multiclass Classification by Adaptive Network of Dendritic Neurons with Binary Synapses Using Structural Plasticity. Frontiers in Neuroscience, 2016, 10, 113.	1.4	10
18	Morphological learning in multicompartment neuron model with binary synapses. , 2016, , .		6

#	Article	IF	Citations
19	Learning Spike Time Codes Through Morphological Learning With Binary Synapses. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1572-1577.	7.2	15
20	Hardware-Amenable Structural Learning for Spike-Based Pattern Classification Using a Simple Model of Active Dendrites. Neural Computation, 2015, 27, 845-897.	1.3	18
21	Spike-timing dependent morphological learning for a neuron with nonlinear active dendrites. , 2014, , .		4
22	Delay learning architectures for memory and classification. Neurocomputing, 2014, 138, 14-26.	3.5	12
23	Improved margin multi-class classification using dendritic neurons with morphological learning. , 2014, , .		26
24	Hardware efficient, neuromorphic dendritically enhanced readout for liquid state machines. , 2013, , .		9
25	Computation using mismatch: Neuromorphic extreme learning machines. , 2013, , .		8
26	Morphological learning: Increased memory capacity of neuromorphic systems with binary synapses exploiting AER based reconfiguration. , 2013, , .		9
27	DELTRON: Neuromorphic architectures for delay based learning. , 2012, , .		14
28	Development of cortical orientation selectivity in the absence of visual experience with contour. Journal of Neurophysiology, 2011, 106, 1923-1932.	0.9	9