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List of Publications by Year
in descending order

36 papers	1,236 citations	1039406 9 h-index	996533 15 g-index
37 all docs	37 docs citations	37 times ranked	1217 citing authors

#	Article	IF	Citations
1	Dual discriminator adversarial distillation for data-free model compression. International Journal of Machine Learning and Cybernetics, 2022, 13, 1213-1230.	2.3	8
2	An Artificial Intelligence Approach for Real-Time Tuning of Weighting Factors in FCS-MPC for Power Converters. IEEE Transactions on Industrial Electronics, 2022, 69, 11987-11998.	5.2	26
3	Explainable Unsupervised Machine Learning for Cyber-Physical Systems. IEEE Access, 2021, 9, 131824-131843.	2.6	24
4	Physics Enhanced Data-Driven Models With Variational Gaussian Processes. IEEE Open Journal of the Industrial Electronics Society, 2021, 2, 252-265.	4.8	0
5	Industrial Electronics Education: Past, Present, and Future Perspectives. IEEE Industrial Electronics Magazine, 2021, 15, 140-154.	2.3	7
6	Review of Design Elements within Power Infrastructure Cyber–Physical Test Beds as Threat Analysis Environments. Energies, 2021, 14, 1409.	1.6	5
7	Deep Embedded Clustering with ResNets. , 2021, , .		3
8	ResNet Autoencoders for Unsupervised Feature Learning From High-Dimensional Data: Deep Models Resistant to Performance Degradation. IEEE Access, 2021, 9, 40511-40520.	2.6	39
9	Data-Driven Correlation of Cyber and Physical Anomalies for Holistic System Health Monitoring. IEEE Access, 2021, 9, 163138-163150.	2.6	8
10	The Virtualized Cyber-Physical Testbed for Machine Learning Anomaly Detection: A Wind Powered Grid Case Study. IEEE Access, 2021, 9, 159475-159494.	2.6	8
11	CMIB: Unsupervised Image Object Categorization in Multiple Visual Contexts. IEEE Transactions on Industrial Informatics, 2020, 16, 3974-3986.	7.2	9
12	Trustworthy AI Development Guidelines for Human System Interaction. , 2020, , .		20
13	AI Augmentation for Trustworthy AI: Augmented Robot Teleoperation. , 2020, , .		5
14	Modeling and Planning Under Uncertainty Using Deep Neural Networks. IEEE Transactions on Industrial Informatics, 2019, 15, 4442-4454.	7.2	12
15	Explaining What a Neural Network has Learned: Toward Transparent Classification. , 2019, , .		7
16	Deep Self-Organizing Maps for Unsupervised Image Classification. IEEE Transactions on Industrial Informatics, 2019, 15, 5837-5845.	7.2	48
17	Data-driven Stochastic Anomaly Detection on Smart-Grid communications using Mixture Poisson Distributions. , 2019, , .		3
18	Cyber and Physical Anomaly Detection in Smart-Grids. , 2019, , .		16

#	Article	IF	Citations
19	An Adversarial Approach for Explainable AI in Intrusion Detection Systems. , 2018, , .		80
20	Generalization of Deep Learning for Cyber-Physical System Security: A Survey. , 2018, , .		63
21	Improving User Trust on Deep Neural Networks Based Intrusion Detection Systems. , 2018, , .		25
22	Nucleus Basalis of Meynert Stimulation for Dementia: Theoretical and Technical Considerations. Frontiers in Neuroscience, 2018, 12, 614.	1.4	28
23	Deep Learning and Reconfigurable Platforms in the Internet of Things: Challenges and Opportunities in Algorithms and Hardware. IEEE Industrial Electronics Magazine, 2018, 12, 36-49.	2.3	64
24	Deep Self-Organizing Maps for Visual Data Mining. , 2018, , .		7
25	The Internet of Things: The Role of Reconfigurable Platforms. IEEE Industrial Electronics Magazine, 2017, 11, 6-19.	2.3	38
26	Deep neural networks for energy load forecasting. , 2017, , .		207
27	Parallalizable deep self-organizing maps for image classification. , 2017, , .		8
28	Reduction of massive EEG datasets for epilepsy analysis using Artificial Neural Networks. , 2017, , .		1
29	Data driven decision support for reliable biomass feedstock preprocessing. , 2017, , .		5
30	Survey of progress in deep neural networks for resource-constrained applications. , 2017, , .		5
31	Simultaneous generation-classification using LSTM. , 2016, , .		2
32	Intelligent Buildings of the Future: Cyberaware, Deep Learning Powered, and Human Interacting. IEEE Industrial Electronics Magazine, 2016, 10, 32-49.	2.3	79
33	Building energy load forecasting using Deep Neural Networks. , 2016, , .		341
34	HTML web content extraction using paragraph tags. , 2016, , .		10
35	Epileptic Spike Detection with EEG using artificial Neural Networks. , 2016, , .		14
36	Data-fusion for increasing temporal resolution of building energy management system data. , 2015, , .		11