

Giansalvo Cirrincione

List of Publications by Year in descending order

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60
papers

994
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623734

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477307

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all docs

67
docs citations

67
times ranked

878
citing authors

#	ARTICLE	IF	CITATIONS
1	Bearing Fault Detection by a Novel Condition-Monitoring Scheme Based on Statistical-Time Features and Neural Networks. IEEE Transactions on Industrial Electronics, 2013, 60, 3398-3407.	7.9	387
2	Sensorless Control of Induction Machines by a New Neural Algorithm: The TLS EXIN Neuron. IEEE Transactions on Industrial Electronics, 2007, 54, 127-149.	7.9	63
3	Sensorless Control of Induction Motors by Reduced Order Observer With MCA EXIN + Based Adaptive Speed Estimation. IEEE Transactions on Industrial Electronics, 2007, 54, 150-166.	7.9	50
4	Multimodel Optimization Based on the Response Surface of the Reduced FEM Simulation Model With Application to a PMSM. IEEE Transactions on Magnetics, 2008, 44, 2153-2157.	2.1	33
5	A Comparison of Deep Learning Techniques for Arterial Blood Pressure Prediction. Cognitive Computation, 2022, 14, 1689-1710.	5.2	30
6	Linear system identification using the TLS EXIN neuron. Neurocomputing, 1999, 28, 53-74.	5.9	27
7	A Scroll Compressor With a High-Performance Sensorless Induction Motor Drive for the Air Management of a PEMFC System for Automotive Applications. IEEE Transactions on Vehicular Technology, 2008, 57, 3413-3427.	6.3	25
8	The GH-EXIN neural network for hierarchical clustering. Neural Networks, 2020, 121, 57-73.	5.9	24
9	Neural model of the dynamic behaviour of a non-linear mechanical system. Mechanical Systems and Signal Processing, 2009, 23, 1145-1159.	8.0	20
10	Induction Machine Fault Detection and Classification Using Non-Parametric, Statistical-Frequency Features and Shallow Neural Networks. IEEE Transactions on Energy Conversion, 2021, 36, 1070-1080.	5.2	19
11	Shallow Versus Deep Neural Networks in Gear Fault Diagnosis. IEEE Transactions on Energy Conversion, 2020, 35, 1338-1347.	5.2	19
12	A Novel Self-Organizing Neural Network for Motion Segmentation. Applied Intelligence, 2003, 18, 27-35.	5.3	17
13	1-D Convolutional Neural Network for ECG Arrhythmia Classification. Smart Innovation, Systems and Technologies, 2021, , 269-279.	0.6	16
14	Space-Vector State Model of Induction Machines Including Rotor Slotting Effects: Toward a New Category of Observers. IEEE Transactions on Industry Applications, 2008, 44, 1683-1692.	4.9	15
15	A survey on data integration for multi-omics sample clustering. Neurocomputing, 2022, 488, 494-508.	5.9	14
16	Application of higher order spectral analysis for rotor broken bar detection in induction machines. , 2011, , .		13
17	A Topological Neural-Based Scheme for Classification of Faults in Induction Machines. IEEE Transactions on Industry Applications, 2021, 57, 272-283.	4.9	13
18	Ground Penetrating Radar Fourier Pre-processing for Deep Learning Tunnel Defects™ Automated Classification. Communications in Computer and Information Science, 2022, , 165-176.	0.5	13

#	ARTICLE	IF	CITATIONS
19	The Growing Curvilinear Component Analysis (GCCA) neural network. <i>Neural Networks</i> , 2018, 103, 108-117.	5.9	12
20	Growing Curvilinear Component Analysis (GCCA) for Stator Fault Detection in Induction Machines. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 235-244.	0.6	12
21	A Neural Based Comparative Analysis for Feature Extraction from ECG Signals. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 247-256.	0.6	12
22	Dedicated hierarchy of neural networks applied to bearings degradation assessment. , 2013, , .		11
23	Induction Machine Stator Fault Tracking Using the Growing Curvilinear Component Analysis. <i>IEEE Access</i> , 2021, 9, 2201-2212.	4.2	11
24	Growing Curvilinear Component Analysis (GCCA) for Dimensionality Reduction of Nonstationary Data. <i>Smart Innovation, Systems and Technologies</i> , 2018, , 151-160.	0.6	9
25	Forecasting Short-term Solar Radiation for Photovoltaic Energy Predictions. , 2018, , .		8
26	Indoor Air-Temperature Forecast for Energy-Efficient Management in Smart Buildings. , 2018, , .		7
27	Towards Uncovering Feature Extraction From Temporal Signals in Deep CNN: the ECG Case Study. , 2020, , .		7
28	Neural Recurrent Approches to Noninvasive Blood Pressure Estimation. , 2020, , .		7
29	Nonstationary topological learning with bridges and convex polytopes: the G-EXIN neural network. , 2018, , .		5
30	Deep CNN for 3D Face Recognition. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 665-674.	0.4	5
31	Understanding Abstraction in Deep CNN: An Application on Facial Emotion Recognition. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 281-290.	0.6	5
32	Neural Feature Extraction for the Analysis of Parkinsonian Patient Handwriting. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 243-253.	0.6	5
33	Constrained leastâ€šquares method for the estimation of the electrical parameters of an induction motor. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2003, 22, 1089-1101.	0.9	4
34	Space-Vector State Model of Induction Machines Including Rotor and Stator Slotting Effects. , 2007, , .		4
35	Sensorless induction machine drive for fly-wheel generation unit based on a TLS-based non-linear observer. , 2016, , .		4
36	Power Switch Open-Circuit Fault-Diagnosis Based on a Shallow Long-Short Term Memory Neural Network: Investigation of an Interleaved Buck Converter for Electrolyzer applications. , 2021, , .		4

#	ARTICLE	IF	CITATIONS
37	Detection of Stator Fault in Synchronous Reluctance Machines Using Shallow Neural Networks. , 2021, , .		4
38	Experimental application of least-squares technique for estimation of double layer super capacitor parameters. , 2017, , .		3
39	Topological Gradient-based Competitive Learning. , 2021, , .		3
40	Multi-omics Classification on Kidney Samples Exploiting Uncertainty-Aware Models. Lecture Notes in Computer Science, 2020, , 32-42.	1.3	3
41	Shallow Neural Network for Biometrics from the ECG-WATCH. Lecture Notes in Computer Science, 2020, , 259-269.	1.3	3
42	Sensorless Control of Induction Motor Drives by New Linear Neural Techniques. , 2006, , .		2
43	The estimation of the induction motor parameters by the GeTLS EXIN neuron. , 2010, , .		2
44	Speed sensorless control of induction motors based on MCA EXIN Pisarenko method. , 2015, , .		2
45	Sensorless control of induction motors by the MSA based MUSIC technique. , 2015, , .		2
46	Neural Networks for Matching in Computer Vision. , 2007, , 688-695.		2
47	Discovering Hierarchical Neural Archetype Sets. Smart Innovation, Systems and Technologies, 2021, , 255-267.	0.6	2
48	The Neural Solids; For optimization problems. Neural Processing Letters, 2001, 13, 1-15.	3.2	1
49	Space-Vector State Model of Induction Machines Including Rotor Slotting Effects: Towards a New Category of Observers. , 2006, , .		1
50	A Scroll Compressor with a High Performance Induction Motor Drive for the Air Management of a PEMFC System for Automotive Applications. Conference Record - IAS Annual Meeting (IEEE Industry) Tj ETQq0 0 0 rgBT /Overclock 10 Tf		1
51	A Scroll Compressor with a High Performance Induction Motor Drive for the Air Management of a PEMFC System for Automotive Applications. Conference Record - IAS Annual Meeting (IEEE Industry) Tj ETQq1 1 0.784314 rgBT /Overclock		1
52	Sensorless Control of Synchronous Reluctance Motor Drives Based on the TLS EXIN Neuron. , 2019, , .		1
53	Sensorless Control of Induction Motor Drives by New Linear Neural Techniques. , 2006, , .		1
54	A New Unsupervised Neural Approach to Stationary and Non-stationary Data. Intelligent Systems Reference Library, 2021, , 125-145.	1.2	1

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55	Double Channel Neural Non Invasive Blood Pressure Prediction. Lecture Notes in Computer Science, 2020, , 160-171.	1.3	1
56	Improved sensorless scalar control by a PLL tracking rotor slotting effects. , 2012, , .		0
57	On-line wind speed estimation in IM wind generation systems by using adaptive direct and inverse modelling of the wind turbine. , 2016, , .		0
58	Understanding Cancer Phenomenon at Gene Expression Level by using a Shallow Neural Network Chain. Smart Innovation, Systems and Technologies, 2020, , 281-290.	0.6	0
59	Neural Epistemology in Dynamical System Learning. Smart Innovation, Systems and Technologies, 2020, , 213-221.	0.6	0
60	Unsupervised Multi-omic Data Fusion: The Neural Graph Learning Network. Lecture Notes in Computer Science, 2020, , 172-182.	1.3	0