

# Eros Pasero

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

468  
citations

840776

11  
h-index

839539

18  
g-index

55  
all docs

55  
docs citations

55  
times ranked

364  
citing authors

#	ARTICLE	IF	CITATIONS
1	New System for Detecting Road Ice Formation. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1091-1101.	4.7	62
2	A Comparison of Deep Learning Techniques for Arterial Blood Pressure Prediction. Cognitive Computation, 2022, 14, 1689-1710.	5.2	30
3	EEG Based Eye State Classification using Deep Belief Network and Stacked AutoEncoder. International Journal of Electrical and Computer Engineering, 2016, 6, 3131.	0.7	26
4	The GH-EXIN neural network for hierarchical clustering. Neural Networks, 2020, 121, 57-73.	5.9	24
5	A Wearable Smart Device to Monitor Multiple Vital Parametersâ€”VITAL ECG. Electronics (Switzerland), 2020, 9, 300.	3.1	23
6	A deep-learning model to continuously predict severe acute kidney injury based on urine output changes in critically ill patients. Journal of Nephrology, 2021, 34, 1875-1886.	2.0	23
7	VITAL-ECG: A portable wearable hospital. , 2018, , .		18
8	ECG WATCH: a real time wireless wearable ECG. , 2019, , .		16
9	1-D Convolutional Neural Network for ECG Arrhythmia Classification. Smart Innovation, Systems and Technologies, 2021, , 269-279.	0.6	16
10	A neural data-driven algorithm for smart sampling in wireless sensor networks. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	14
11	The Growing Curvilinear Component Analysis (GCCA) neural network. Neural Networks, 2018, 103, 108-117.	5.9	12
12	Growing Curvilinear Component Analysis (GCCA) for Stator Fault Detection in Induction Machines. Smart Innovation, Systems and Technologies, 2020, , 235-244.	0.6	12
13	A Neural Based Comparative Analysis for Feature Extraction from ECG Signals. Smart Innovation, Systems and Technologies, 2020, , 247-256.	0.6	12
14	Induction Machine Stator Fault Tracking Using the Growing Curvilinear Component Analysis. IEEE Access, 2021, 9, 2201-2212.	4.2	11
15	Anytime ECG Monitoring through the Use of a Low-Cost, User-Friendly, Wearable Device. Sensors, 2021, 21, 6036.	3.8	11
16	Noninvasive Arterial Blood Pressure Estimation using ABPNet and VITAL-ECG. , 2020, , .		10
17	A new dynamic tactile display for reconfigurable braille: implementation and tests. Frontiers in Neuroengineering, 2014, 7, 6.	4.8	9
18	VITAL-ECG: a de-bias algorithm embedded in a gender-immune device. , 2020, , .		9

#	ARTICLE	IF	CITATIONS
19	Growing Curvilinear Component Analysis (GCCA) for Dimensionality Reduction of Nonstationary Data. Smart Innovation, Systems and Technologies, 2018, , 151-160.	0.6	9
20	A Feature Selection Method for Air Quality Forecasting. Lecture Notes in Computer Science, 2010, , 489-494.	1.3	8
21	Improving lifetime in wireless sensor networks using neural data prediction. , 2014, , .		8
22	Hardware design of a wearable ECG-sensor: Strategies implementation for improving CMRR and reducing noise. , 2017, , .		8
23	Low Power and Bluetooth-Based Wireless Sensor Network for Environmental Sensing Using Smartphones. International Federation for Information Processing, 2012, , 332-340.	0.4	7
24	Intruder recognition using ECG signal. , 2015, , .		7
25	Towards Uncovering Feature Extraction From Temporal Signals in Deep CNN: the ECG Case Study. , 2020, , .		7
26	Neural Recurrent Approches to Noninvasive Blood Pressure Estimation. , 2020, , .		7
27	External validation of a deep-learning model to predict severe acute kidney injury based on urine output changes in critically ill patients. Journal of Nephrology, 2022, 35, 2047-2056.	2.0	7
28	Defect detection in food ingredients using Multilayer Perceptron Neural Network. , 2014, , .		6
29	Artificial neural network classifier for quality inspection of nuts. , 2014, , .		5
30	Nonstationary topological learning with bridges and convex polytopes: the G-EXIN neural network. , 2018, , .		5
31	Neural Feature Extraction for the Analysis of Parkinsonian Patient Handwriting. Smart Innovation, Systems and Technologies, 2021, , 243-253.	0.6	5
32	A System Design Methodology for Analog Feed Forward Artificial Neural Networks. Analog Integrated Circuits and Signal Processing, 1999, 21, 45-55.	1.4	4
33	Artificial Neural Networks for Real Time Reader Devices. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	4
34	A Runway Surface Monitor using Internet of Things. Journal of Electrical Engineering, 2014, 65, 169-173.	0.7	4
35	A neural data-driven approach to increase Wireless Sensor Networks' lifetime. , 2014, , .		4
36	Defects Detection in Pistachio Nuts Using Artificial Neural Networks. Smart Innovation, Systems and Technologies, 2013, , 147-156.	0.6	4

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37	In Field Application of an Innovative Sensor for Monitoring Road and Runway Surfaces. , 2010, , .		3
38	Pattern recognition at different scales: A statistical perspective. Chaos, Solitons and Fractals, 2014, 64, 48-66.	5.1	3
39	A Memristor Circuit Using Basic Elements with Memory Capability. Smart Innovation, Systems and Technologies, 2014, , 117-124.	0.6	3
40	Shallow Neural Network for Biometrics from the ECG-WATCH. Lecture Notes in Computer Science, 2020, , 259-269.	1.3	3
41	Application of an automatic ulcer segmentation algorithm. , 2017, , .		2
42	An information theoretic approach for improving data driven prediction of protein model quality. Computers and Mathematics With Applications, 2008, 55, 997-1006.	2.7	1
43	Control of coffee grinding with Artificial Neural Networks. , 2012, , .		1
44	Pupillometric Study of the Dysregulation of the Autonomous Nervous System by SVM Networks. Smart Innovation, Systems and Technologies, 2014, , 107-115.	0.6	1
45	MULTI-FREQUENCY ICE DETECTION SYSTEM. , 2008, , .		1
46	Leg Ulcer Long Term Analysis. Lecture Notes in Computer Science, 2017, , 35-44.	1.3	1
47	A New Unsupervised Neural Approach to Stationary and Non-stationary Data. Intelligent Systems Reference Library, 2021, , 125-145.	1.2	1
48	Double Channel Neural Non Invasive Blood Pressure Prediction. Lecture Notes in Computer Science, 2020, , 160-171.	1.3	1
49	<title>Nonstationary and asymmetric net for real-time pattern recognition in noisy environments</title>. , 1992, , .		0
50	A framework for developing Neural Networks based mobile appliances. , 2010, , .		0
51	Real-Time Perceptual Coding of Wideband Speech by Competitive Neural Networks. Lecture Notes in Computer Science, 2002, , 160-167.	1.3	0
52	Design and Evaluation of Neural Networks for an Embedded Application. Lecture Notes in Computer Science, 2010, , 11-20.	1.3	0
53	Control of Coffee Grinding with General Regression Neural Networks. Smart Innovation, Systems and Technologies, 2013, , 139-146.	0.6	0
54	A Human-Centered Behavioral Informatics. Smart Innovation, Systems and Technologies, 2019, , 3-8.	0.6	0

#	ARTICLE	IF	CITATIONS
55	Real Time Reader Device for Blind People. , 2007, , 292-299.		0