

# Enrique Alexandre

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

616  
citations

758635

12  
h-index

580395

25  
g-index

29  
all docs

29  
docs citations

29  
times ranked

598  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Classification Problems and Algorithms in Renewable Energy Applications. <i>Energies</i> , 2016, 9, 607.	1.6	87
2	Significant wave height estimation using SVR algorithms and shadowing information from simulated and real measured X-band radar images of the sea surface. <i>Ocean Engineering</i> , 2015, 101, 244-253.	1.9	73
3	Computational intelligence in wave energy: Comprehensive review and case study. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 1223-1246.	8.2	67
4	Significant wave height and energy flux range forecast with machine learning classifiers. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 43, 44-53.	4.3	55
5	Accurate estimation of significant wave height with Support Vector Regression algorithms and marine radar images. <i>Coastal Engineering</i> , 2016, 114, 233-243.	1.7	52
6	Hybridizing Extreme Learning Machines and Genetic Algorithms to select acoustic features in vehicle classification applications. <i>Neurocomputing</i> , 2015, 152, 58-68.	3.5	50
7	A hybrid genetic algorithm–extreme learning machine approach for accurate significant wave height reconstruction. <i>Ocean Modelling</i> , 2015, 92, 115-123.	1.0	34
8	Feature Selection for Sound Classification in Hearing Aids Through Restricted Search Driven by Genetic Algorithms. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2007, 15, 2249-2256.	3.8	33
9	On the Use of 2-D Coding Techniques for ECG Signals. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2006, 10, 809-811.	3.6	17
10	Near-optimal selection of representative measuring points for robust temperature field reconstruction with the CRO-SL and analogue methods. <i>Global and Planetary Change</i> , 2019, 178, 15-34.	1.6	16
11	A study on the impact of easements in the deployment of wind farms near airport facilities. <i>Renewable Energy</i> , 2019, 135, 566-588.	4.3	16
12	Hybridizing Cartesian Genetic Programming and Harmony Search for adaptive feature construction in supervised learning problems. <i>Applied Soft Computing Journal</i> , 2017, 52, 760-770.	4.1	12
13	Analysis of the Effects of Finite Precision in Neural Network-Based Sound Classifiers for Digital Hearing Aids. <i>Eurasip Journal on Advances in Signal Processing</i> , 2009, 2009, .	1.0	11
14	Detection of Ships in Marine Environments by Square Integration Mode and Multilayer Perceptrons. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2011, 60, 712-724.	2.4	11
15	Sound Classification in Hearing Aids by the Harmony Search Algorithm. <i>Studies in Computational Intelligence</i> , 2009, , 173-188.	0.7	11
16	Two-layer automatic sound classification system for conversation enhancement in hearing aids1. <i>Integrated Computer-Aided Engineering</i> , 2008, 15, 85-94.	2.5	9
17	Reducing the computational cost for sound classification in hearing aids by selecting features via genetic algorithms with restricted search. , 2008, , .		8
18	Wind power field reconstruction from a reduced set of representative measuring points. <i>Applied Energy</i> , 2018, 228, 1111-1121.	5.1	7

#	ARTICLE	IF	CITATIONS
19	Influence of Acoustic Feedback on the Learning Strategies of Neural Network-Based Sound Classifiers in Digital Hearing Aids. <i>Eurasip Journal on Advances in Signal Processing</i> , 2009, 2009, .	1.0	6
20	Low-complexity bit-allocation algorithm for MPEG AAC audio coders. <i>IEEE Signal Processing Letters</i> , 2005, 12, 824-826.	2.1	5
21	Joint design of Gaussianized spectrum-based features and least-square linear classifier for automatic acoustic environment classification in hearing aids. <i>Signal Processing</i> , 2010, 90, 2628-2632.	2.1	5
22	Enhancing the energy efficiency of wireless-communicated binaural hearing aids for speech separation driven by soft-computing algorithms. <i>Applied Soft Computing Journal</i> , 2012, 12, 1939-1949.	4.1	5
23	Soft-Computing: An innovative technological solution for urban traffic-related problems in modern cities. <i>Technological Forecasting and Social Change</i> , 2014, 89, 236-244.	6.2	5
24	Analysis of Machine Learning Approachesâ€™ Performance in Prediction Problems with Human Activity Patterns. <i>Mathematics</i> , 2022, 10, 2187.	1.1	4
25	NN-based automatic sound classifier for digital hearing aids. , 2007, , .		3
26	Speech/Non-Speech Classification in Hearing Aids Driven by Tailored Neural Networks. <i>Studies in Computational Intelligence</i> , 2008, , 145-167.	0.7	1
27	Energy Flux Range Classification by Using a Dynamic Window Autoregressive Model. <i>Lecture Notes in Computer Science</i> , 2015, , 92-102.	1.0	1
28	Speech Enhancement in Noisy Environments in Hearing Aids Driven by a Tailored Gain Function Based on a Gaussian Mixture Model. <i>Lecture Notes in Computer Science</i> , 2013, , 503-514.	1.0	0