Fausto Pedro GarcÃ-a MÃ¡rquez

List of Publications by Year
in descending order

215 papers	6,425 citations	57631 44 h-index	82410 72 g-index
250 all docs	250 docs citations	250 times ranked	4025 citing authors

#	Article	IF	Citations
1	Condition monitoring of wind turbines: Techniques and methods. Renewable Energy, 2012, 46, 169-178.	4.3	707
2	A survey of artificial neural network in wind energy systems. Applied Energy, 2018, 228, 1822-1836.	5.1	324
3	Predicting heating values of lignocellulosics and carbonaceous materials from proximate analysis. Fuel, 2001, 80, 1567-1571.	3.4	252
4	Wind turbine reliability analysis. Renewable and Sustainable Energy Reviews, 2013, 23, 463-472.	8.2	236
5	Photovoltaic plant condition monitoring using thermal images analysis by convolutional neural network-based structure. Renewable Energy, 2020, 153, 334-348.	4.3	117
6	A reliability centered approach to remote condition monitoring. A railway points case study. Reliability Engineering and System Safety, 2003, 80, 33-40.	5.1	114
7	Ice detection using thermal infrared radiometry on wind turbine blades. Measurement: Journal of the International Measurement Confederation, 2016, 93, 157-163.	2.5	109
8	Experimental investigations of the performance of a flat-plate solar collector using carbon and metal oxides based nanofluids. Energy, 2021, 227, 120452.	4.5	109
9	Identification of critical components of wind turbines using FTA over the time. Renewable Energy, 2016, 87, 869-883.	4.3	107
10	A review of non-destructive testing on wind turbines blades. Renewable Energy, 2020, 161, 998-1010.	4.3	100
11	Linear and nonlinear features and machine learning for wind turbine blade ice detection and diagnosis. Renewable Energy, 2019, 132, 1034-1048.	4.3	96
12	Inspection and Structural Health Monitoring techniques for Concentrated Solar Power plants. Renewable Energy, 2016, 85, 1178-1191.	4.3	91
13	A review of the application performances of concentrated solar power systems. Applied Energy, 2019, 255, 113893.	5.1	85
14	A New Fault Location Approach for Acoustic Emission Techniques in Wind Turbines. Energies, 2016, 9, 40.	1.6	80
15	Dirt and mud detection and diagnosis on a wind turbine blade employing guided waves and supervised learning classifiers. Reliability Engineering and System Safety, 2019, 184, 2-12.	5.1	79
16	Denitrification of natural water on supported Pd/Cu catalysts. Applied Catalysis B: Environmental, 2003, 41, 3-13.	10.8	78
17	Wavelet transforms and pattern recognition on ultrasonic guides waves for frozen surface state diagnosis. Renewable Energy, 2018, 116, 42-54.	4.3	76
18	Developments in Chemical Treatments, Manufacturing Techniques and Potential Applications of Natural-Fibers-Based Biodegradable Composites. Coatings, 2021, 11, 293.	1.2	76

#	Article	IF	Citations
19	Machine Learning for Wind Turbine Blades Maintenance Management. Energies, 2018, 11, 13.	1.6	74
20	Structural health monitoring for delamination detection and location in wind turbine blades employing guided waves. Wind Energy, 2019, 22, 698-711.	1.9	74
21	Maintenance management based on Machine Learning and nonlinear features in wind turbines. Renewable Energy, 2020, 146, 316-328.	4.3	74
22	Optimal Maintenance Management of Offshore Wind Farms. Energies, 2016, 9, 46.	1.6	73
23	Bulk wheat transportation and storage problem of public distribution system. Computers and Industrial Engineering, 2017, 104, 80-97.	3.4	73
24	Economic viability analysis for icing blades detection in wind turbines. Journal of Cleaner Production, 2016, 135, 1150-1160.	4.6	69
25	Comparative Study of Tubular Solar Stills with Phase Change Material and Nano-Enhanced Phase Change Material. Energies, 2020, 13, 3989.	1.6	68
26	Optimal scheduling of distributed energy resources in microgrid systems based on electricity market pricing strategies by a novel hybrid optimization technique. International Journal of Electrical Power and Energy Systems, 2022, 134, 107419.	3.3	66
27	Life cycle costs for railway condition monitoring. Transportation Research, Part E: Logistics and Transportation Review, 2008, 44, 1175-1187.	3.7	65
28	Time series methods applied to failure prediction and detection. Reliability Engineering and System Safety, 2010, 95, 698-703.	5.1	64
29	Condition monitoring system for solar power plants with radiometric and thermographic sensors embedded in unmanned aerial vehicles. Measurement: Journal of the International Measurement Confederation, 2019, 139, 152-162.	2.5	60
30	A pattern recognition and data analysis method for maintenance management. International Journal of Systems Science, 2012, 43, 1014-1028.	3.7	59
31	Optimal Dynamic Analysis of Electrical/Electronic Components in Wind Turbines. Energies, 2017, 10, 1111.	1.6	58
32	Optimal decision-making via binary decision diagrams for investments under a risky environment. International Journal of Production Research, 2017, 55, 5271-5286.	4.9	54
33	Autonomous underwater vehicles: Instrumentation and measurements. IEEE Instrumentation and Measurement Magazine, 2020, 23, 105-114.	1.2	54
34	A hybrid optimization-based approach to solve environment constrained economic dispatch problem on microgrid system. Journal of Cleaner Production, 2021, 307, 127196.	4.6	52
35	Principal component analysis applied to filtered signals for maintenance management. Quality and Reliability Engineering International, 2010, 26, 523-527.	1.4	51
36	Railway point mechanisms: Condition monitoring and fault detection. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2010, 224, 35-44.	1.3	50

#	Article	IF	Citations
37	Advanced analytics for detection and diagnosis of false alarms and faults: A real case study. Wind Energy, 2019, 22, 1622-1635.	1.9	49
38	Wind Energy Scenario, Success and Initiatives towards Renewable Energy in Indiaâ€"A Review. Energies, 2022, 15, 2291.	1.6	49
39	Survey of maintenance management for photovoltaic power systems. Renewable and Sustainable Energy Reviews, 2020, 134, 110347.	8.2	48
40	An algorithmic approach for maintenance management based on advanced state space systems and harmonic regressions. Annals of Operations Research, 2009, 166, 109-124.	2.6	47
41	Reliability analysis of detecting false alarms that employ neural networks: A real case study on wind turbines. Reliability Engineering and System Safety, 2019, 191, 106574.	5.1	47
42	Reliability Dynamic Analysis by Fault Trees and Binary Decision Diagrams. Information (Switzerland), 2020, 11, 324.	1.7	47
43	A New Approach for Fault Detection, Location and Diagnosis by Ultrasonic Testing. Energies, 2020, 13, 1192.	1.6	47
44	Railroad inspection based on ACFM employing a non-uniform B-spline approach. Mechanical Systems and Signal Processing, 2013, 40, 605-617.	4.4	46
45	Pattern recognition by wavelet transforms using macro fibre composites transducers. Mechanical Systems and Signal Processing, 2014, 48, 339-350.	4.4	46
46	New methods for the condition monitoring of level crossings. International Journal of Systems Science, 2015, 46, 878-884.	3.7	46
47	Maintenance management of wind turbines structures via MFCs and wavelet transforms. Renewable and Sustainable Energy Reviews, 2015, 48, 472-482.	8.2	45
48	New Pipe Notch Detection and Location Method for Short Distances employing Ultrasonic Guided Waves. Acta Acustica United With Acustica, 2017, 103, 772-781.	0.8	45
49	Failure analysis and diagnostics for railway trackside equipment. Engineering Failure Analysis, 2007, 14, 1411-1426.	1.8	44
50	A digital filter-based approach to the remote condition monitoring of railway turnouts. Reliability Engineering and System Safety, 2007, 92, 830-840.	5.1	44
51	A comprehensive review on energy saving options and saving potential in low voltage electricity distribution networks: Building and public lighting. Sustainable Cities and Society, 2021, 72, 103064.	5.1	44
52	RCM2 predictive maintenance of railway systems based on unobserved components models. Reliability Engineering and System Safety, 2004, 83, 103-110.	5.1	41
53	Unobserved Component models applied to the assessment of wear in railway points: A case study. European Journal of Operational Research, 2007, 176, 1703-1712.	3.5	41
54	Smart Energy Management of Residential Microgrid System by a Novel Hybrid MGWOSCACSA Algorithm. Energies, 2020, 13, 3500.	1.6	41

#	Article	IF	Citations
55	Applied RCM2 algorithms based on statistical methods. International Journal of Automation and Computing, 2007, 4, 109-116.	4.5	38
56	ENDURUNS: An Integrated and Flexible Approach for Seabed Survey Through Autonomous Mobile Vehicles. Journal of Marine Science and Engineering, 2020, 8, 633.	1.2	38
57	An Overview on Energy and Development of Energy Integration in Major South Asian Countries: The Building Sector. Energies, 2020, 13, 5776.	1.6	37
58	Cracks and welds detection approach in solar receiver tubes employing electromagnetic acoustic transducers. Structural Health Monitoring, 2018, 17, 1046-1055.	4.3	36
59	Generation Units Maintenance in Combined Heat and Power Integrated Systems Using the Mixed Integer Quadratic Programming Approach. Energies, 2020, 13, 2840.	1.6	36
60	Wear assessment employing remote condition monitoring: a case study. Wear, 2003, 255, 1209-1220.	1.5	33
61	Decision Making using Logical Decision Tree and Binary Decision Diagrams: A Real Case Study of Wind Turbine Manufacturing. Energies, 2019, 12, 1753.	1.6	33
62	Characterization of Failure Strain In Fiber Reinforced Composites: Under On-Axis and Off-Axis Loading. Crystals, 2021, 11, 216.	1.0	33
63	A novel approach to fault detection and diagnosis on wind turbines. Global Nest Journal, 2014, 16, 1029-1037.	0.3	31
64	Hydrogen Injection in a Dual Fuel Engine Fueled with Low-Pressure Injection of Methyl Ester of Thevetia Peruviana (METP) for Diesel Engine Maintenance Application. Energies, 2020, 13, 5663.	1.6	30
65	A heuristic method for detecting and locating faults employing electromagnetic acoustic transducers. Eksploatacja I Niezawodnosc, 2017, 19, 493-500.	1.1	29
66	TRANSDUCTIVE LEARNING FOR SHORT-TEXT CLASSIFICATION PROBLEMS USING LATENT SEMANTIC INDEXING. International Journal of Pattern Recognition and Artificial Intelligence, 2005, 19, 143-163.	0.7	28
67	Fault detection and diagnosis in photovoltaic panels by radiometric sensors embedded in unmanned aerial vehicles. Progress in Photovoltaics: Research and Applications, 2022, 30, 240-256.	4.4	28
68	SiO2-supported vanadium magnesium mixed oxides as selective catalysts for the oxydehydrogenation of short chain alkanes. Applied Catalysis A: General, 2001, 208, 99-110.	2.2	26
69	Decision making process via binary decision diagram. International Journal of Management Science and Engineering Management, 2015, 10, 3-8.	2.6	26
70	An approach to remote condition monitoring systems management. , 2006, , .		26
71	A Comprehensive Review of Artificial Intelligence and Wind Energy. Archives of Computational Methods in Engineering, 2022, 29, 2935-2958.	6.0	26
72	Renewable Energies. , 2018, , .		25

#	Article	IF	Citations
73	Performance enhancements of conventional solar still using reflective aluminium foil sheet and reflective glass mirrors: energy and exergy analysis. Environmental Science and Pollution Research, 2021, 28, 32508-32516.	2.7	25
74	High voltage direct current systems through submarine cables for offshore wind farms: A life-cycle cost analysis with voltage source converters for bulk power transmission. Energy, 2022, 249, 123713.	4.5	25
75	False Alarms Analysis of Wind Turbine Bearing System. Sustainability, 2020, 12, 7867.	1.6	24
76	Comprehensive Review on Electricity Market Price and Load Forecasting Based on Wind Energy. Energies, 2021, 14, 7473.	1.6	24
77	Enhancing Global Maximum Power Point of Solar Photovoltaic Strings under Partial Shading Conditions Using Chimp Optimization Algorithm. Energies, 2021, 14, 4086.	1.6	21
78	A Review on the Computational Methods of Power System Stabilizer for Damping Power Network Oscillations. Archives of Computational Methods in Engineering, 2022, 29, 3713-3739.	6.0	21
79	Decision making. Current Opinion in Neurobiology, 2012, 22, 911-913.	2.0	20
80	Adaptive production control system for a flexible manufacturing cell using support vector machine-based approach. International Journal of Advanced Manufacturing Technology, 2013, 67, 969-981.	1.5	20
81	Competitiveness based on logistic management: a real case study. Annals of Operations Research, 2015, 233, 157-169.	2.6	20
82	A Condition Monitoring System for Blades of Wind Turbine Maintenance Management. Advances in Intelligent Systems and Computing, 2017, , 3-11.	0.5	20
83	Optimal Scheduling of Dynamic Pricing Based V2G and G2V Operation in Microgrid Using Improved Elephant Herding Optimization. Sustainability, 2021, 13, 7551.	1.6	20
84	A Robust Optimization Approach for Optimal Power Flow Solutions Using Rao Algorithms. Energies, 2021, 14, 5449.	1.6	20
85	Optimal fuzzy based economic emission dispatch of combined heat and power units using dynamically controlled Whale Optimization Algorithm. Applied Energy, 2022, 315, 119033.	5.1	20
86	Autonomous Underwater Vehicles and Field of View in Underwater Operations. Journal of Marine Science and Engineering, 2021, 9, 277.	1.2	19
87	Acoustic inspection system with unmanned aerial vehicles for wind turbines structure health monitoring. Structural Health Monitoring, 2022, 21, 485-500.	4.3	18
88	Artificial Intelligence for Concentrated Solar Plant Maintenance Management. Advances in Intelligent Systems and Computing, 2017, , 125-134.	0.5	17
89	Alarms management by supervisory control and data acquisition system for wind turbines. Eksploatacja I Niezawodnosc, 2021, 23, 110-116.	1.1	17
90	B-Spline Approach for Failure Detection and Diagnosis on Railway Point Mechanisms Case Study. Quality Engineering, 2015, 27, 177-185.	0.7	16

#	Article	IF	Citations
91	Investigation of Heat Transfer and Pressure Drop in Microchannel Heat Sink Using Al2O3 and ZrO2 Nanofluids. Nanomaterials, 2020, 10, 1796.	1.9	16
92	Generalized Normal Distribution Algorithm-Based Control of 3-Phase 4-Wire Grid-Tied PV-Hybrid Energy Storage System. Energies, 2021, 14, 4355.	1.6	16
93	Calculus of the defect severity with EMATs by analysing the attenuation curves of the guided waves. Smart Structures and Systems, 2017, 19, 195-202.	1.9	16
94	A New Condition Monitoring Approach for Maintenance Management in Concentrate Solar Plants. Advances in Intelligent Systems and Computing, 2015, , 999-1008.	0.5	15
95	A life-cycle cost analysis of High Voltage Direct Current utilization for solar energy systems: The case study in Turkey. Journal of Cleaner Production, 2022, , 132128.	4.6	15
96	A novel approach to diagnostic and prognostic evaluations applied to railways: A real case study. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2016, 230, 1440-1456.	1.3	14
97	Influence of Wind Power on Modeling of Bidding Strategy in a Promising Power Market with a Modified Gravitational Search Algorithm. Applied Sciences (Switzerland), 2021, 11, 4438.	1.3	14
98	A Hybrid Jayaâ€“Powellâ€™s Pattern Search Algorithm for Multi-Objective Optimal Power Flow Incorporating Distributed Generation. Energies, 2021, 14, 2831.	1.6	14
99	Unmanned aerial vehicle integrated real time kinematic in infrared inspection of photovoltaic panels. Measurement: Journal of the International Measurement Confederation, 2022, 188, 110536.	2.5	14
100	A review on condition monitoring system for solar plants based on thermography. , 2020, , 103-118.		13
101	Investigation of heat transfer in wavy and dual wavy micro-channel heat sink using alumina nanoparticles. Case Studies in Thermal Engineering, 2021, 28, 101515.	2.8	13
102	Use of UIoT for Offshore Surveys Through Autonomous Vehicles. Polish Maritime Research, 2021, 28, 175-189.	0.6	13
103	Multi-Objective Grasshopper Optimization Based MPPT and VSC Control of Grid-Tied PV-Battery System. Electronics (Switzerland), 2021, 10, 2770.	1.8	13
104	Wind Energy Power Prospective. , 2018, , 83-95.		12
105	Big Data Management. , 2017, , .		12
106	Analysis and Comparison of Macro Fiber Composites and Lead Zirconate Titanate (PZT) Discs for an Energy Harvesting Floor. Applied Sciences (Switzerland), 2020, 10, 5951.	1.3	11
107	Wind integrated power system to reduce emission: An application of Bat algorithm. Journal of Intelligent and Fuzzy Systems, 2022, 42, 1041-1049.	0.8	11
108	A relative study on energy and exergy analysis between conventional single slope and novel stepped absorbable plate solar stills. Environmental Science and Pollution Research, 2021, 28, 57602-57618.	2.7	11

#	Article	IF	Citations
109	Design of Capacitive Bridge Fault Current Limiter for Low-Voltage Ride-Through Capacity Enrichment of Doubly Fed Induction Generator-Based Wind Farm. Sustainability, 2021, 13, 6656.	1.6	11
110	Minimization of Torque Ripple in the Brushless DC Motor Using Constrained Cuckoo Search Algorithm. Electronics (Switzerland), 2021, 10, 2299.	1.8	11
111	A novel approach to optimize the positioning and measurement parameters in photovoltaic aerial inspections. Renewable Energy, 2022, 187, 371-389.	4.3	11
112	Photovoltaic array reconfiguration under partial shading conditions for maximum power extraction via knight's tour technique. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 11545-11567.	3.3	11
113	Development of a Linear Acoustic Array for Aero-Acoustic Quantification of Camber-Bladed Vertical Axis Wind Turbine. Sensors, 2020, 20, 5954.	2.1	10
114	Global Sliding-Mode Suspension Control of Bearingless Switched Reluctance Motor under Eccentric Faults to Increase Reliability of Motor. Energies, 2020, 13, 5485.	1.6	10
115	Principal component analysis technique for early fault detection. Journal of Intelligent and Fuzzy Systems, 2022, 42, 861-872.	0.8	10
116	Investigation of heat transfer in dimple-protrusion micro-channel heat sinks using copper oxide nano-additives. Case Studies in Thermal Engineering, 2021, 28, 101374.	2.8	10
117	Big Data and Web Intelligence for Condition Monitoring. Advances in Data Mining and Database Management Book Series, 2015, , 149-163.	0.4	10
118	Grammar Based Crossover Operator in Genetic Programming. Lecture Notes in Computer Science, 2005, , 252-261.	1.0	9
119	Future Maintenance Management in Renewable Energies. , 2018, , 149-159.		9
120	Evaluation of Tensile Properties of Glass/Sisal and Glass/Jute Fibers Reinforced Hybrid Composites at Different Stacking Sequences. Porrime, 2021, 45, 390-397.	0.0	9
121	Development of a Selective Low Cost Absorbing Surface based on Soot for Solar Thermal Applications. Energy Procedia, 2014, 57, 1565-1572.	1.8	8
122	Techno-Economical Advances for Maintenance Management of Concentrated Solar Power Plants. Advances in Intelligent Systems and Computing, 2017, , 967-979.	0.5	8
123	Non-destructive testing of wind turbines using ultrasonic waves. , 2020, , 91-101.		8
124	Optimal maintenance management of offshore wind turbines by minimizing the costs. Sustainable Energy Technologies and Assessments, 2022, 52, 102230.	1.7	8
125	Contingency Analysis of a Grid Connected EV's for Primary Frequency Control of an Industrial Microgrid Using Efficient Control Scheme. Energies, 2022, 15, 3102.	1.6	8
126	A Novel Artificial Intelligence Maximum Power Point Tracking Technique for Integrated PV-WT-FC Frameworks. Energies, 2022, 15, 3352.	1.6	8

#	Article	IF	Citations
127	Concentrated Solar Plants Management: Big Data and Neural Network. , 2018, , 63-81.		7
128	Machine Learning and Neural Network for Maintenance Management. , 2018, , 1377-1388.		7
129	A cooperative heterogeneous vehicular clustering framework for efficiency improvement. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 1247-1259.	1.5	7
130	Acoustic Maintenance Management Employing Unmanned Aerial Vehicles in Renewable Energies. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 969-981.	0.4	7
131	State of the Art of Artificial Intelligence Applied for False Alarms in Wind Turbines. Archives of Computational Methods in Engineering, 0, , 1.	6.0	7
132	Novel application of Relief Algorithm in cascaded artificial neural network to predict wind speed for wind power resource assessment in India. Energy Strategy Reviews, 2022, 41, 100864.	3.3	7
133	A Pragmatic Approach to the Condition monitoring of Hydraulic Level Crossing Barriers. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2010, 224, 605-610.	1.3	6
134	Optimal Productivity in Solar Power Plants Based on Machine Learning and Engineering Management. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 983-994.	0.4	6
135	Optimal Management of Marine Inspection with Autonomous Underwater Vehicles. Advances in Intelligent Systems and Computing, 2020, , 760-771.	0.5	6
136	Fuzzy Logic Applied to SCADA Systems. , 2018, , 749-757.		6
137	False Alarms Management by Data Science. , 2019, , 301-316.		6
138	Vibration-based tools for the optimisation of large-scale industrial wind turbine devices. International Journal of Condition Monitoring, 2016, 6, 33-37.	0.1	6
139	The investigation of congenital infection byTrypanosoma cruziin an endemic area of Chile: three protocols explored in a pilot project. Annals of Tropical Medicine and Parasitology, 2011, 105, 123-128.	1.6	5
140	Introduction to non-destructive testing and condition monitoring techniques for renewable energy industrial assets. , 2020, , xi-xvii.		5
141	Robust Control of a PMSG-Based Wind Turbine Generator Using Lyapunov Function. Energies, 2021, 14, 1712.	1.6	5
142	Detection and evaluation of rolling stock wheelset defects using acoustic emission. Insight: Non-Destructive Testing and Condition Monitoring, 2021, 63, 403-408.	0.3	5
143	Numerical evaluation of type I pressure vessels for ultra-deep ocean trench exploration. Results in Engineering, 2021, 11, 100267.	2.2	5
144	Life Cycle Assessment in Autonomous Marine Vehicles. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 222-233.	0.5	5

#	Article	IF	Citations
145	Big Data and Web Intelligence. , 2016, , 229-246.		5
146	A novel metaheuristic approach to scale the economic impact of grid participation on a microgrid system. Sustainable Energy Technologies and Assessments, 2022, 53, 102417.	1.7	5
147	Binary decision diagrams applied to fault tree analysis. , 2008, , .		4
148	Improving the Efficiency on Decision Making Process via BDD. Advances in Intelligent Systems and Computing, 2015, , 1395-1405.	0.5	4
149	Concentrated Solar Power: Present and Future. , 2018, , 51-61.		4
150	Decision Making Approach for Optimal Business Investments. , 2015, , 1-20.		4
151	Wind turbines maintenance management based on FTA and BDD. Renewable Energy and Power Quality Journal, 0, , 1344-1346.	0.2	4
152	New Approaches on Maintenance Management for Wind Turbines Based on Acoustic Inspection. Advances in Intelligent Systems and Computing, 2021, , 791-800.	0.5	4
153	Artificial Intelligence in Marine Science and Engineering. Journal of Marine Science and Engineering, 2022, 10, 711.	1.2	4
154	A B-spline approach to alternating current field measurement for railroad inspection. , 2008, , .		3
155	A Graphic Computerised Maintenance Management System for Fault Detection, Supervision and Safety of the Railway Infrastructure. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1629-1634.	0.4	3
156	Economic Viability Study for Offshore Wind Turbines Maintenance Management. Advances in Intelligent Systems and Computing, 2015, , 235-244.	0.5	3
157	Evaluating the challenges associated with the long-term reliable operation of industrial wind turbine gearboxes. IOP Conference Series: Materials Science and Engineering, 0, 454, 012094.	0.3	3
158	Wind turbine inspection and condition monitoring. , 2020, , 19-29.		3
159	Remote condition monitoring for photovoltaic systems. , 2020, , 133-142.		3
160	Online Fault Detection in Solar Plants Using a Wireless Radiometer in Unmanned Aerial Vehicles. , 2018, , 1161-1174.		3
161	Impact of Demand Nature on the Bullwhip Effect. Bridging the Gap between Theoretical and Empirical Research. Lecture Notes in Electrical Engineering, 2014, , 1127-1137.	0.3	3
162	Technological Innovation and Dynamic Capabilities in the Spanish Wind Energy Business. Journal of Euromarketing, 2011, 20, .	0.0	3

#	Article	IF	Citations
163	Methods and Tools for the Operational Reliability Optimisation of Large-Scale Industrial Wind Turbines. Advances in Intelligent Systems and Computing, 2015, , 1175-1188.	0.5	2
164	Remotely operated vehicle applications. , 2020, , 119-132.		2
165	Maintenance Management in Wind Turbines by Monitoring the Bearing Temperature. Advances in Intelligent Systems and Computing, 2020, , 678-687.	0.5	2
166	Travel Time Based Traffic Rerouting by Augmenting Traffic Flow Network with Temporal and Spatial Relations for Congestion Management. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 554-565.	0.5	2
167	Life Cycle Assessment of an Autonomous Underwater Vehicle. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 577-587.	0.5	2
168	Economic and Reliability Model for Offshore Wind Farm Maintenance: A Metaheuristic-Based Methodology. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 285-294.	0.5	2
169	Annual Yield, Energy and Economic Analysis of Tubular Solar Stills with Phase Change Material and Nano-enhanced Phase Change Material. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 463-472.	0.5	2
170	Support Vector Machine for False Alarm Detection in Wind Turbine Management. , 2021, , .		2
171	Seven Level Voltage Source Converter Based Static Synchronous Compensator with a Constant DC-Link Voltage. Applied Sciences (Switzerland), 2021, 11, 7330.	1.3	2
172	Special Issue on Advances in Maintenance Management. Energies, 2022, 15, 2499.	1.6	2
173	Non-destructive testing. Non-destructive Testing, 1975, 8, 308.	0.1	1
174	Digital Filters. , 2005, , 839-860.		1
175	Maintenance Management Based on Signal Processing. , 0, , .		1
176	Modeling and Linear Programming in Engineering Management. , 0, , .		1
177	Spectral Analysis of Exons in DNA Signals. , 0, , .		1
178	System management for Remote Condition Monitoring in Railway Systems. , 2014, , .		1
179	Introductory Chapter: An Overview to Maintenance Management. , 0, , .		1
180	Operations Management Based On RFID-IMSII. , 2009, , .		1

#	Article	IF	Citations
181	Recurrent Neural Network and Genetic Algorithm Approaches for a Dual Route Optimization Problem: A Real Case Study. Lecture Notes in Electrical Engineering, 2013, , 23-37.	0.3	1
182	A Software Engineering Approach for Access Control to Multi-Level-Security Documents. , 2013, , 345-353.		1
183	Fault Tree Analysis (FTA) via Binary Diagram Decision (BDD) for Information Systems Design. , 2013, , 308-319.		1
184	Logistic Management Employing Tabu Search and Neural Network Algorithms: A Case Study. Lecture Notes in Management and Industrial Engineering, 2014, , 225-231.	0.3	1
185	Introductory Chapter: Prognostics - An Overview. , 0, , .		1
186	Fault Detection and Identification for Maintenance Management. Advances in Intelligent Systems and Computing, 2020, , 460-469.	0.5	1
187	Photovoltaic Solar Power Plant Maintenance Management based on IoT and Machine Learning. , 2021, , .		1
188	Advanced Analytics in Renewable Energy. Energies, 2022, 15, 3561.	1.6	1
189	Maintenance Management in Solar Energy Systems. Energies, 2022, 15, 3727.	1.6	1
190	Machine Learning Techniques forÂPattern Recognition inÂRailway Switches: A Real Case Study. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 320-335.	0.5	1
191	A Review andÂAnalysis ofÂForecasting ofÂPhotovoltaic Power Generation Using Machine Learning. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 492-505.	0.5	1
192	Digital Filters for Maintenance Management. , 2011, , .		0
193	Advanced Business Analytics. , 2016, , .		0
194	An Overview of Earned Value Management in Airspace Industry. Advances in Intelligent Systems and Computing, 2017, , 1465-1477.	0.5	0
195	Dynamic Analysis of LDT. , 2017, , 65-76.		0
196	DM Optimization. , 2017, , 77-95.		0
197	Managing Costs and Review for Icing Problems. , 2018, , 97-109.		0
198	Introductory Chapter: Introduction to Dependability Engineering. , 0, , .		0

#	Article	IF	Citations
199	Introductory Chapter: An Overview to the Analytic Principles with Business Practice in Decision Making. , 0, , .		0
200	An overview of wind turbine maintenance management. , 2020, , 31-47.		0
201	Non-destructive testing for the evaluation of icing blades in wind turbines. , 2020, , 49-68.		0
202	Non-destructive methods for detection and localisation of partial discharges. , 2020, , 177-193.		0
203	Wind turbines: A general reliability analysis. , 2020, , 1-18.		0
204	Introductory Chapter: Introduction to Lean Manufacturing. , 0, , .		0
205	Anderson Corollary Based on New Approximation Method for Continuous Interval Systems. IEEE Access, 2021, 9, 43601-43610.	2.6	0
206	Wind Turbines Acoustic Inspections performed with UAV and sound frequency domain analysis. , 2021, , .		0
207	SCADA data analytics for fault detection and diagnosis of wind turbines. , 2021, , .		0
208	Selection and Scheduling of DG Sources for Environomic Operation Management of a Microgrid System. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 530-542.	0.5	0
209	An Algorithm for Detecting Faults in Railway Point Mechanisms. , 2007, , 1360-1365.		0
210	Heuristic Approaches for a Dual Optimization Problem. , 0, , .		0
211	Big Data and Web Intelligence. Advances in Data Mining and Database Management Book Series, 2015, , 190-207.	0.4	0
212	Big Data and Earned Value Management in Airspace Industry. , 2017, , 257-267.		0
213	Predictive Analysis of Robotic Manipulators Through Inertial Sensors and Pattern Recognition. Advances in Data Mining and Database Management Book Series, 2020, , 334-344.	0.4	0
214	Machine Learning techniques implemented in IoT platform for fault detection in photovoltaic panels. , 2021, , .		0
215	A techno-economic model for avoiding conflicts of interest between owners of offshore wind farms and maintenance suppliers. Renewable and Sustainable Energy Reviews, 2022, 168, 112753.	8.2	0