

Anã-bal T De Almeida

List of Publications by Year in descending order

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264
papers

8,605
citations

44069

48
h-index

60623

81
g-index

271
all docs

271
docs citations

271
times ranked

7653
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy access during and post-COVID-19 pandemic in sub-Saharan countries: the case of Ethiopia. <i>Environment, Development and Sustainability</i> , 2023, 25, 1236-1257.	5.0	6
2	Dual, Three-Level, Quasi-Z-Source, Indirect Matrix Converter for Motors With Open-Ended Windings. <i>IEEE Transactions on Energy Conversion</i> , 2023, 38, 64-74.	5.2	5
3	Laser Writing of Eutectic Gallium–Indium Alloy Graphene–Oxide Electrodes and Semitransparent Conductors. <i>Advanced Materials Technologies</i> , 2022, 7, 2101238.	5.8	6
4	An assessment of the impact of Brazilian energy efficiency policies for electric motors. <i>Energy Nexus</i> , 2022, 5, 100033.	7.7	7
5	Smart Thermostats for a Campus Microgrid: Demand Control and Improving Air Quality. <i>Energies</i> , 2022, 15, 1359.	3.1	7
6	The Role of Electrification in the Decarbonization of the Energy Sector in Portugal. <i>Energies</i> , 2022, 15, 1759.	3.1	16
7	A Performance Evaluation of Three-Phase Induction Electric Motors between 1945 and 2020. <i>Energies</i> , 2022, 15, 2002.	3.1	12
8	Tailor-made smart glove for robot teleoperation, using printed stretchable sensors. , 2022, , .		7
9	3D Printed Stretchable Liquid Gallium Battery. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	28
10	Laser Writing of Eutectic Gallium–Indium Alloy Graphene–Oxide Electrodes and Semitransparent Conductors (Adv. Mater. Technol. 5/2022). <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	0
11	3R Electronics: Scalable Fabrication of Resilient, Repairable, and Recyclable Soft–Matter Electronics. <i>Advanced Materials</i> , 2022, 34, .	21.0	33
12	The role of energy efficiency and renewable energies to accelerate sustainable energy access – a perspective case study of Mozambique. <i>Energy Efficiency</i> , 2022, 15, .	2.8	6
13	Experimental evaluation of electric clean cooking options for rural areas of developing countries. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100954.	2.7	14
14	Electric Mobility: A Key Technology to Decarbonize the Economy and Improve Air Quality. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2021, , 321-337.	0.1	2
15	Off-Grid Sustainable Energy Systems for Rural Electrification. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2021, , 943-964.	0.1	0
16	Inefficient cooking systems – a challenge for sustainable development: a case of rural areas of Sub-Saharan Africa. <i>Environment, Development and Sustainability</i> , 2021, 23, 14697-14721.	5.0	12
17	Bi-Phasic Ag–In–Ga-Embedded Elastomer Inks for Digitally Printed, Ultra-Stretchable, Multi-layer Electronics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14552-14561.	8.0	76
18	Reversible polymer-gel transition for ultra-stretchable chip-integrated circuits through self-soldering and self-coating and self-healing. <i>Nature Communications</i> , 2021, 12, 4666.	12.8	59

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19	How to decarbonize developing cities by 2050: A case from Tabriz-Iran. <i>Renewable Energy</i> , 2021, 178, 620-638.	8.9	7
20	Induction Motor Shaft-Frame Voltage Analysis. , 2021, , .		0
21	A Review of Energy Modeling Tools for Energy Efficiency in Smart Cities. <i>Smart Cities</i> , 2021, 4, 1420-1436.	9.4	20
22	Dynamic hand gesture recognition using a stretchable multi-layer capacitive array, proximity sensing, and a SVM classifier. , 2021, , .		4
23	Energy-efficient off-grid systemsâ€™ review. <i>Energy Efficiency</i> , 2020, 13, 349-376.	2.8	19
24	Untethered Disposable Health Monitoring Electronic Patches with an Integrated Ag ₂ Oâ€™Zn Battery, a AgInGa Current Collector, and Hydrogel Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3407-3414.	8.0	43
25	Review of Smart City Assessment Tools. <i>Smart Cities</i> , 2020, 3, 1117-1132.	9.4	68
26	Wearable and Comfortable e-Textile Headband for Long-Term Acquisition of Forehead EEG Signals. <i>IEEE Sensors Journal</i> , 2020, 20, 15107-15116.	4.7	49
27	Design and Modeling of a Standalone DC-Microgrid for Off-Grid Schools in Rural Areas of Developing Countries. <i>Energies</i> , 2020, 13, 6379.	3.1	17
28	Impacts of automated natural ventilation in the temperature and humidity of a distribution transformer room. , 2020, , .		1
29	Autonomous System for Wildfire and Forest Fire Early Detection and Control. <i>Inventions</i> , 2020, 5, 41.	2.5	4
30	Nondrying, Sticky Hydrogels for the Next Generation of High-Resolution Conformable Bioelectronics. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3390-3401.	4.3	23
31	University Campus Microgrid for Supporting Sustainable Energy Systems Operation. , 2020, , .		11
32	Quasiâ€™Z-source indirect matrix converterâ€™fed induction motor drive. <i>IET Electric Power Applications</i> , 2020, 14, 797-808.	1.8	2
33	IEC61800-9 System Standards as a Tool to Boost the Efficiency of Electric Motor Driven Systems Worldwide. <i>Inventions</i> , 2020, 5, 20.	2.5	4
34	High Resolution Soft and Stretchable Circuits with PVA/Liquidâ€™Metal Mediated Printing. <i>Advanced Materials Technologies</i> , 2020, 5, 2000343.	5.8	42
35	Off-grid appliances and smart controls for energy access. <i>Energy Efficiency</i> , 2020, 13, 193-195.	2.8	0
36	Study of a linear actuator with a hybrid core using sensorless position control. <i>Sensors and Actuators A: Physical</i> , 2020, 305, 111919.	4.1	3

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37	Modeling and analysis of LC filter integrated quasi-Z source indirect matrix converter. International Journal of Circuit Theory and Applications, 2020, 48, 567-586.	2.0	5
38	Fully Untethered Battery-free Biomonitoring Electronic Tattoo with Wireless Energy Harvesting. Scientific Reports, 2020, 10, 5539.	3.3	64
39	Electric Mobility: Key Technology to Decarbonize the Economy and Improve Air Quality. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-18.	0.1	1
40	Saturation-Related Losses in Induction Motors for Star and Delta Connection Modes. , 2020, , .		3
41	Off-Grid Sustainable Energy Systems for Rural Electrification. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-22.	0.1	1
42	Voltage Unbalance Impact on Coil-Side Temperature Rise in a Delta-Connected, Dual-Winding Induction Motor. , 2020, , .		4
43	Water Based Magnification of Capacitive Proximity Sensors: Water Containers as Passive Human Detectors. , 2020, , .		0
44	Foot Gesture Recognition Through Dual Channel Wearable EMG System. IEEE Sensors Journal, 2019, 19, 10187-10197.	4.7	26
45	Low-Cost System for Early Detection and Deployment of Countermeasures Against Wild Fires. , 2019, , .		11
46	Soft Bioelectronic Stickers: Selection and Evaluation of Skin-Interfacing Electrodes. Advanced Healthcare Materials, 2019, 8, e1900234.	7.6	77
47	New technology trends and policy needs in energy efficient motor systems - A major opportunity for energy and carbon savings. Renewable and Sustainable Energy Reviews, 2019, 115, 109384.	16.4	37
48	Reliable interfaces for EGaln multi-layer stretchable circuits and microelectronics. Lab on A Chip, 2019, 19, 897-906.	6.0	72
49	Experimental Analysis of Three-Phase Induction Motors with Multiflux, Dual-Winding Configurations. , 2019, , .		1
50	Night operation, analysis, and control of single-phase quasi-Z source photovoltaic power system. IET Renewable Power Generation, 2019, 13, 2817-2829.	3.1	7
51	A review on energy efficiency and demand response with focus on small and medium data centers. Energy Efficiency, 2019, 12, 1399-1428.	2.8	48
52	Impacts of plug-in electric vehicles in the portuguese electrical grid. Transportation Research, Part D: Transport and Environment, 2018, 62, 372-385.	6.8	40
53	Sustainability in university campus: options for achieving nearly zero energy goals. International Journal of Sustainability in Higher Education, 2018, 19, 790-816.	3.1	42
54	Single-Phasing Protection of Line-Operated Motors of Different Efficiency Classes. IEEE Transactions on Industry Applications, 2018, 54, 2071-2084.	4.9	12

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55	Reducing Energy Costs in Electric-Motor-Driven Systems: Savings Through Output Power Reduction and Energy Regeneration. IEEE Industry Applications Magazine, 2018, 24, 84-97.	0.4	33
56	Fabrication and characterization of bending and pressure sensors for a soft prosthetic hand. Journal of Micromechanics and Microengineering, 2018, 28, 034001.	2.6	82
57	Multi-objective power generation expansion planning with high penetration of renewables. Renewable and Sustainable Energy Reviews, 2018, 81, 2637-2643.	16.4	82
58	Fabrication of Soft and Stretchable Electronics Through Integration of Printed Silver Nanoparticles and Liquid Metal Alloy. , 2018, , .		1
59	Overview of Retrofitting Options in Induction Motors to Improve Their Efficiency and Reliability. , 2018, , .		11
60	Study and Design of a Small-Diameter Tubular Linear Motor for Biomedical Applications. , 2018, , .		2
61	DC-Microgrids As a Means of Rural Development in East African Countries. , 2018, , .		2
62	Hydroprinted Electronics: Ultrathin Stretchable Ag-In-Ga E-Skin for Bioelectronics and Human-Machine Interaction. ACS Applied Materials & Interfaces, 2018, 10, 38760-38768.	8.0	108
63	EGaIn-Assisted Room-Temperature Sintering of Silver Nanoparticles for Stretchable, Inkjet-Printed, Thin-Film Electronics. Advanced Materials, 2018, 30, e1801852.	21.0	225
64	Stretchable Electronics: EGaIn-Assisted Room-Temperature Sintering of Silver Nanoparticles for Stretchable, Inkjet-Printed, Thin-Film Electronics (Adv. Mater. 29/2018). Advanced Materials, 2018, 30, 1870215.	21.0	2
65	Robust hand gesture recognition with a double channel surface EMG wearable armband and SVM classifier. Biomedical Signal Processing and Control, 2018, 46, 121-130.	5.7	110
66	SCALA: Scalable Modular Rail based Multi-agent Robotic System for Fine Manipulation over Large Workspaces. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 89, 421-438.	3.4	4
67	Carbon doped PDMS: conductance stability over time and implications for additive manufacturing of stretchable electronics. Journal of Micromechanics and Microengineering, 2017, 27, 035010.	2.6	32
68	Direct current microgrids based on solar power systems and storage optimization, as a tool for cost-effective rural electrification. Renewable Energy, 2017, 111, 275-283.	8.9	43
69	Low power mode energy demand of household appliances – SELINA and APP projects. Energy Efficiency, 2017, 10, 1299-1314.	2.8	6
70	Performance analysis and design of parallel kinematic machines using interval analysis. Mechanism and Machine Theory, 2017, 115, 218-236.	4.5	23
71	Energy storage system for self-consumption of photovoltaic energy in residential zero energy buildings. Renewable Energy, 2017, 103, 308-320.	8.9	195
72	A novel grid-based reconfigurable spatial parallel mechanism with large workspace. Mechanism and Machine Theory, 2017, 115, 149-167.	4.5	16

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73	3D printed endoskeleton with a soft skin for upper-limb body actuated prosthesis. , 2017, , .		6
74	Hydrogel-silicone conjunction as epidermal and dermal layers of bio-inspired soft finger skin. , 2017, , .		1
75	Portfolio optimization of renewable energy assets: Hydro, wind, and photovoltaic energy in the regulated market in Brazil. Energy Economics, 2017, 64, 238-250.	12.1	50
76	Policy options to promote energy efficient electric motors and drives in the EU. Renewable and Sustainable Energy Reviews, 2017, 74, 1275-1286.	16.4	43
77	SCALA—A Scalable Rail-based Multirobot System for Large Space Automation: Design and Development. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2208-2217.	5.8	9
78	Autonomous Selection of Closing Posture of a Robotic Hand Through Embodied Soft Matter Capacitive Sensors. IEEE Sensors Journal, 2017, 17, 5669-5677.	4.7	55
79	Comparison of losses in star- and delta-connected induction motors with saturated core. , 2017, , .		10
80	Comparison of different cooling fan designs for electric motors. , 2017, , .		24
81	Soft-matter sensor for proximity, tactile and pressure detection. , 2017, , .		20
82	Overview on energy saving opportunities in electric motor driven systems - Part 2: Regeneration and output power reduction. , 2016, , .		9
83	Energy-efficient distribution transformers in Europe: impact of Ecodesign regulation. Energy Efficiency, 2016, 9, 401-424.	2.8	24
84	The hybrid OmniClimber robot: Wheel based climbing, arm based plane transition, and switchable magnet adhesion. Mechatronics, 2016, 36, 136-146.	3.3	60
85	Reliability and Operation of High-Efficiency Induction Motors. IEEE Transactions on Industry Applications, 2016, 52, 4628-4637.	4.9	72
86	Technical and economic assessment of the secondary use of repurposed electric vehicle batteries in the residential sector to support solar energy. Applied Energy, 2016, 181, 120-131.	10.1	106
87	Energy savings potential associated with stator winding connection mode change in induction motors. , 2016, , .		9
88	Overview on energy saving opportunities in electric motor driven systems - Part 1: System efficiency improvement. , 2016, , .		19
89	White stork risk mitigation in high voltage electric distribution networks. Ecological Engineering, 2016, 91, 212-220.	3.6	14
90	Comparison of Protection Requirements in IE2-, IE3-, and IE4-Class Motors. IEEE Transactions on Industry Applications, 2016, 52, 3603-3610.	4.9	56

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91	Energy savings potential of uninterruptible power supplies in European Union. Energy Efficiency, 2016, 9, 993-1013.	2.8	2
92	Technical and economic considerations on induction motor oversizing. Energy Efficiency, 2016, 9, 1-25.	2.8	18
93	State estimation and path following on curved and flat vertical surfaces with Omniclimber robots: Kinematics and control. , 2015, , .		0
94	Switchable magnets for robotics applications. , 2015, , .		6
95	InchwormClimber: A light-weight biped climbing robot with a switchable magnet adhesion unit. , 2015, , .		9
96	Comparison of protection requirements in IE2-, IE3-, and IE4-class motors. , 2015, , .		2
97	Ground source heat pump carbon emissions and primary energy reduction potential for heating in buildings in Europe—results of a case study in Portugal. Renewable and Sustainable Energy Reviews, 2015, 45, 755-768.	16.4	48
98	Ground source heat pumps as high efficient solutions for building space conditioning and for integration in smart grids. Energy Conversion and Management, 2015, 103, 991-1007.	9.2	76
99	Investment risk analysis for photovoltaic power plant in the free contracting environment. , 2015, , .		1
100	Reliability and operation of high-efficiency induction motors. , 2015, , .		21
101	Underactuated anthropomorphic hands: Actuation strategies for a better functionality. Robotics and Autonomous Systems, 2015, 74, 267-282.	5.1	33
102	Synchronous Reluctance Motor Drive for Electric Vehicles Including Cross-Magnetic Saturation. , 2014, , .		13
103	Adaptive under-actuated anthropomorphic hand: ISR-SoftHand. , 2014, , .		50
104	Star- and delta-connected windings tolerance to voltage unbalance in induction motors. , 2014, , .		14
105	Actuation strategies for underactuated anthropomorphic hands. , 2014, , .		4
106	Primary and secondary use of electric mobility batteries from a life cycle perspective. Journal of Power Sources, 2014, 262, 169-177.	7.8	115
107	Solid state lighting review — Potential and challenges in Europe. Renewable and Sustainable Energy Reviews, 2014, 34, 30-48.	16.4	179
108	Comparison of Different Tapped Windings for Flux Adjustment in Induction Motors. IEEE Transactions on Energy Conversion, 2014, 29, 375-391.	5.2	14

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109	Novel Energy Stored Single-Stage Photovoltaic Power System With Constant DC-Link Peak Voltage. IEEE Transactions on Sustainable Energy, 2014, 5, 28-36.	8.8	83
110	A new switched reluctance motor with distributed winding. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2014, 33, 2158-2179.	0.9	5
111	Analysis of the distributed residential energy storage impact on the grid operation. , 2014, , .		2
112	Beyond Induction Motors – Technology Trends to Move Up Efficiency. IEEE Transactions on Industry Applications, 2014, 50, 2103-2114.	4.9	277
113	Managing the Charging of Electrical Vehicles: Impacts on the Electrical Grid and on the Environment. IEEE Intelligent Transportation Systems Magazine, 2014, 6, 54-65.	3.8	36
114	Technical and Economical Considerations on Super High-Efficiency Three-Phase Motors. IEEE Transactions on Industry Applications, 2014, 50, 1274-1285.	4.9	133
115	Technical and economic impact of residential electricity storage at local and grid level for Portugal. Applied Energy, 2014, 128, 254-264.	10.1	45
116	Beyond induction motors — Technology trends to move up efficiency. , 2013, , .		13
117	OmniClimbers: Omni-directional magnetic wheeled climbing robots for inspection of ferromagnetic structures. Robotics and Autonomous Systems, 2013, 61, 997-1007.	5.1	106
118	The role of Smart Grids to foster energy efficiency. Energy Efficiency, 2013, 6, 621-639.	2.8	31
119	Stator Winding Connection-Mode Management in Line-Start Permanent Magnet Motors to Improve Their Efficiency and Power Factor. IEEE Transactions on Energy Conversion, 2013, 28, 523-534.	5.2	29
120	Efficient and adaptive LED public lighting integrated in vora smart grid. , 2013, , .		3
121	Impact of the electricity mix and use profile in the life-cycle assessment of electric vehicles. Renewable and Sustainable Energy Reviews, 2013, 24, 271-287.	16.4	244
122	Energy storage system-based power control for grid-connected wind power farm. International Journal of Electrical Power and Energy Systems, 2013, 44, 115-122.	5.5	68
123	Monitoring system for the local distributed generation infrastructures of the smart grid. , 2013, , .		5
124	An Energy-Stored Quasi-Z-Source Inverter for Application to Photovoltaic Power System. IEEE Transactions on Industrial Electronics, 2013, 60, 4468-4481.	7.9	249
125	A new modeling method for S-MCSRМ driven by three-phase full bridge converter. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2013, 33, 645-662.	0.9	3
126	Magnetic omnidirectional wheels for climbing robots. , 2013, , .		10

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127	Flexirigid, a novel two phase flexible gripper. , 2013, , .		16
128	OmniClimber-II: An omnidirectional climbing robot with high maneuverability and flexibility to adapt to non-flat surfaces. , 2013, , .		7
129	IROS 2012 - Robotics for Quality of Life and Sustainable Development [Society News]. IEEE Robotics and Automation Magazine, 2013, 20, 110-114.	2.0	0
130	Warming up a stream reach: design of a hydraulic and heating system. Limnology and Oceanography: Methods, 2013, 11, 410-417.	2.0	16
131	MANAGEMENT OF STORK ACTIVITIES IN EQUIPMENT OF ELECTRIC DISTRIBUTION POWER NETWORKS. Environmental Engineering and Management Journal, 2013, 12, 2311-2321.	0.6	1
132	Cooperative multi-agent mapping of three-dimensional structures for pipeline inspection applications. International Journal of Robotics Research, 2012, 31, 1489-1503.	8.5	20
133	Stator winding connection mode management in line-start permanent magnet motors to improve their efficiency and power factor. , 2012, , .		7
134	OmniClimber: An omnidirectional light weight climbing robot with flexibility to adapt to non-flat surfaces. , 2012, , .		19
135	Technical and economical considerations on super high-efficiency three-phase motors. , 2012, , .		57
136	Evaluation of Slot-Embedded Partial Electrostatic Shield for High-Frequency Bearing Current Mitigation in Inverter-Fed Induction Motors. IEEE Transactions on Energy Conversion, 2012, 27, 382-390.	5.2	105
137	An improved MPPT method for quasi-Z-source inverter based grid-connected photovoltaic power system. , 2012, , .		4
138	Energy-efficient elevators and escalators in Europe: An analysis of energy efficiency potentials and policy measures. Energy and Buildings, 2012, 47, 151-158.	6.7	45
139	A sustainability assessment of electric vehicles as a personal mobility system. Energy Conversion and Management, 2012, 61, 19-30.	9.2	238
140	Induction motor downsizing as a low-cost strategy to save energy. Journal of Cleaner Production, 2012, 24, 117-131.	9.3	35
141	Transverse-flux linear switched reluctance motor for semi-magnetic suspending rail vehicle. , 2011, , .		4
142	ENERSip: M2M-based platform to enable energy efficiency within energy-positive neighbourhoods. , 2011, , .		16
143	Comprehensive validation of an ICT platform to support energy efficiency in future smart grid scenarios. , 2011, , .		2
144	Integration of PEV in Portuguese distribution grid: Analysis of harmonic current emissions in charging points. , 2011, , .		21

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145	Solutions to mitigate power quality disturbances resulting from integrating intermittent renewable energy in the grid of Porto Santo. , 2011, , .		1
146	In-house monitoring and control network for the Smart Grid of the future. , 2011, , .		9
147	Autonomous mapping for inspection of 3D structures. , 2011, , .		4
148	Quasi-Z-Source inverter based PMSG wind power generation system. , 2011, , .		36
149	Power flow control for quasi-Z source inverter with battery based PV power generation system. , 2011, , .		31
150	Ecoanalysis of Variable-Speed Drives for Flow Regulation in Pumping Systems. IEEE Transactions on Industrial Electronics, 2011, 58, 2117-2125.	7.9	95
151	Modeling and SVPWM control of quasi-Z-source inverter. , 2011, , .		50
152	Management of storcks and quality of Energy Service: Stork project. , 2011, , .		0
153	Fuzzy Neural Network Control for Robot Manipulator Directly Driven by Switched Reluctance Motor. International Journal of Cognitive Informatics and Natural Intelligence, 2011, 5, 86-98.	0.4	0
154	Small-hydropower integration in a multi-purpose dam-bridge for sustainable urban mobility. Renewable and Sustainable Energy Reviews, 2011, 15, 5092-5103.	16.4	10
155	Standards for Efficiency of Electric Motors. IEEE Industry Applications Magazine, 2011, 17, 12-19.	0.4	139
156	Domestic Service Robots [TC Spotlight]. IEEE Robotics and Automation Magazine, 2011, 18, 18-20.	2.0	13
157	3DCLIMBER: Climbing and manipulation over 3D structures. Mechatronics, 2011, 21, 48-62.	3.3	49
158	Characterization of the household electricity consumption in the EU, potential energy savings and specific policy recommendations. Energy and Buildings, 2011, 43, 1884-1894.	6.7	211
159	A low-cost approach for self-calibration of climbing robots. Robotica, 2011, 29, 23-34.	1.9	16
160	Power Quality Costs estimation in Portuguese industry. , 2011, , .		5
161	Autonomous mapping for inspection of 3D structures. , 2011, , .		0
162	Development of an industrial pipeline inspection robot. Industrial Robot, 2010, 37, 309-322.	2.1	42

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163	The role of demand-side management in the grid integration of wind power. Applied Energy, 2010, 87, 2581-2588.	10.1	187
164	Multi-objective optimization of a mixed renewable system with demand-side management. Renewable and Sustainable Energy Reviews, 2010, 14, 1461-1468.	16.4	156
165	Slot-embedded partial electrostatic shield for high-frequency bearing current mitigation in inverter-fed induction motors. , 2010, , .		12
166	An Effective Control Technique for Medium-Voltage High-Power Induction Motor Fed by Cascaded Neutral-Point-Clamped Inverter. IEEE Transactions on Industrial Electronics, 2010, 57, 2659-2668.	7.9	61
167	Integration of renewable energy generation with EV charging strategies to optimize grid load balancing. , 2010, , .		41
168	Fuzzy neural network control for robot manipulator directly driven by switched reluctance motor. , 2010, , .		2
169	Impact of voltage sags and continuous unbalance on variable-speed drives. , 2010, , .		4
170	Large Scale Integration of Wind Power Generation. Energy Systems, 2010, , 95-119.	0.5	4
171	Multi-Robot Fire Searching in Unknown Environment. Springer Tracts in Advanced Robotics, 2010, , 341-351.	0.4	9
172	Integration of Renewable Energies for Trolleybus and Mini-Bus Lines in Coimbra. World Electric Vehicle Journal, 2009, 3, 863-874.	3.0	3
173	Standards for Super-Premium Efficiency class for electric motors. , 2009, , .		17
174	A comparison study on Pneumatic Muscles and electrical motors. , 2009, , .		7
175	Self calibration of step-by-step based climbing robots. , 2009, , .		6
176	Multi-robot exploration and fire searching. , 2009, , .		68
177	A new parameter extraction method for accurate modeling of PEM fuel cells. International Journal of Energy Research, 2009, 33, 978-988.	4.5	51
178	Design of Transverse Flux Linear Switched Reluctance Motor. IEEE Transactions on Magnetics, 2009, 45, 113-119.	2.1	76
179	Minimization of energy storage requirements for a mixed renewable system with demand-side management. , 2009, , .		8
180	Experiments to observe the impact of power quality and voltage-source inverters on the temperature of three-phase cage induction motors using an infra-red camera. , 2009, , .		20

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181	A parameter optimized model of a Proton Exchange Membrane fuel cell including temperature effects. Journal of Power Sources, 2008, 185, 952-960.	7.8	78
182	Simple strategy to recovery energy during stopping period in large high-inertia line-fed induction motor driven systems. , 2008, , .		3
183	Motor bearings and insulation system condition diagnosis by means of common-mode currents and shaft-ground voltage correlation. , 2008, , .		9
184	Considerations on in-field induction motor load estimation methods. , 2008, , .		7
185	3DCLIMBER: A climbing robot for inspection of 3D human made structures. , 2008, , .		52
186	Novel Multiflux Level, Three-Phase, Squirrel-Cage Induction Motor for Efficiency and Power Factor Maximization. IEEE Transactions on Energy Conversion, 2008, 23, 101-109.	5.2	61
187	Switched Thermal Anemometer. , 2008, , .		1
188	Assessment of Laser Range Finders in risky environments. , 2008, , .		21
189	Electric motor standards, ecodesign and global market transformation. , 2008, , .		37
190	Toward Chemical-Trail Following Robots. , 2008, , .		10
191	Propose of a Benchmark for Pole Climbing Robots. Springer Tracts in Advanced Robotics, 2008, , 215-222.	0.4	5
192	SNIFFING A FIRE: SIMULATED EXPERIMENTS IN A REDUCED SCALE SCENARIO. , 2008, , .		1
193	A STEP TOWARD AUTONOMOUS POLE CLIMBING ROBOTS. , 2008, , .		0
194	A COMPARISON STUDY ON PNEUMATIC MUSCLES AND ELECTRICAL MOTORS USING THE 3DCLIMBER AS A CASE STUDY. , 2008, , .		0
195	Electrical power delivery improvement in Portugal through quality function deployment. , 2007, , .		7
196	Dynamic Modeling and Simulation of an Optimized Proton Exchange Membrane Fuel Cell System. , 2007, , 171.		4
197	Impact of steady-state voltage supply anomalies on three-phase squirrel-cage induction motors. , 2007, , .		16
198	Trajectory recovery and 3D mapping from rotation-compensated imagery for an airship. , 2007, , .		11

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199	Stochastic control of helicopter suspended load position. Mathematical and Computer Modelling of Dynamical Systems, 2007, 13, 115-124.	2.2	2
200	PWM inverters for stand-alone single-phase high quality power generation. , 2007, , .		2
201	High Power Quality System with Fuel Cell Distributed Generation - Simulation and Tests. , 2007, , .		1
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