

Djamila Rekioua

List of Publications by Year in descending order

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101
papers

3,354
citations

147786

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149686

56
g-index

114
all docs

114
docs citations

114
times ranked

2782
citing authors

#	ARTICLE	IF	CITATIONS
1	Proposed Hybrid Power Optimization for Wind Turbine/Battery System. Periodica Polytechnica Electrical Engineering and Computer Science, 2022, 66, 60-71.	1.0	13
2	A power management control and optimization of a wind turbine with battery storage system. Journal of Energy Storage, 2022, 45, 103613.	8.1	20
3	Use of the Dual Stator Induction Machine in Photovoltaic - Wind Hybrid Pumping. Journal European Des Systemes Automatises, 2021, 54, 115-124.	0.4	0
4	Experimental investigation on photovoltaic source performances in case of degraded operating conditions for an integration feasibility in Algerian agricultural farms. Sustainable Energy Technologies and Assessments, 2021, 48, 101659.	2.7	8
5	An integrated neural network for the dynamic domestic energy management of a solar house. International Transactions on Electrical Energy Systems, 2021, 31, .	1.9	6
6	Technical feasibility assessment of a PEM fuel cell refrigerator system. International Journal of Hydrogen Energy, 2020, 45, 11211-11219.	7.1	8
7	Processor in the loop test for algorithms designed to control power electronics converters used in grid-connected photovoltaic system. International Transactions on Electrical Energy Systems, 2020, 30, e12227.	1.9	5
8	Hybrid Renewable Energy Systems. Green Energy and Technology, 2020, , .	0.6	9
9	Feasibility of a standalone photovoltaic/battery system with hydrogen production. Journal of Energy Storage, 2020, 31, 101644.	8.1	35
10	Hybrid Renewable Energy Systems Overview. Green Energy and Technology, 2020, , 1-37.	0.6	13
11	Power Electronics in Hybrid Renewable Energies Systems. Green Energy and Technology, 2020, , 39-77.	0.6	4
12	Storage in Hybrid Renewable Energy Systems. Green Energy and Technology, 2020, , 139-172.	0.6	5
13	Design of Hybrid Renewable Energy Systems. Green Energy and Technology, 2020, , 173-195.	0.6	2
14	Power Management and Supervision of Hybrid Renewable Energy Systems. Green Energy and Technology, 2020, , 197-250.	0.6	0
15	MPPT Methods in Hybrid Renewable Energy Systems. Green Energy and Technology, 2020, , 79-138.	0.6	7
16	Degraded Mode of Dual Stator Induction Motor in Pumping. Journal European Des Systemes Automatises, 2020, 53, 273-282.	0.4	0
17	Study of Dual Stator Induction Motor in Photovoltaic-Fuel Cell Hybrid Pumping Application. Journal European Des Systemes Automatises, 2020, 53, 601-608.	0.4	0
18	Maximization and management energy of a hybrid system (Wind/Photovoltaic) for Pumping system by using fuzzy logic. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Supervision of Hybrid Renewable Energy Systems. , 2019, , .		0
20	Control by fuzzy logic with adaptive gain of a photovoltaic pumping system. , 2019, , .		0
21	Sizing of Standalone Photovoltaic/Battery without and with Hydrogen Production Systems. , 2019, , .		0
22	Application and Comparison of Different Control Strategies of Induction Generator in Wind Energy Conversion System. , 2019, , .		0
23	Optimization of a Photovoltaic Pumping System by Applying Fuzzy Control Type-1 with Adaptive Gain. Lecture Notes in Networks and Systems, 2019, , 321-328.	0.7	3
24	Power Management and Supervision of Hybrid Renewable Energy Systems. , 2019, , .		1
25	Energy Management for PV Installations. , 2018, , 349-369.		12
26	Sizing methodology for hybrid photovoltaic /wind/ hydrogen/battery integrated to energy management strategy for pumping system. Energy, 2018, 153, 743-762.	8.8	135
27	High performance of Maximum Power Point Tracking Using Ant Colony algorithm in wind turbine. Renewable Energy, 2018, 126, 1055-1063.	8.9	74
28	Simple and Low-Cost Solution System for a Small Scale Power Photovoltaic Water Pumping System. , 2018, , .		1
29	Hybrid Stand-Alone Photovoltaic/Batteries/Fuel Cells System for Green Cities. , 2018, , .		4
30	Comparative assessment for the feasibility of storage bank in small scale power photovoltaic pumping system for building application. Energy Conversion and Management, 2018, 172, 579-587.	9.2	11
31	Proposed energy management strategy in electric vehicle for recovering power excess produced by fuel cells. International Journal of Hydrogen Energy, 2017, 42, 19556-19575.	7.1	56
32	Supervision and control strategy for photovoltaic generators with battery storage. International Journal of Hydrogen Energy, 2017, 42, 19536-19555.	7.1	45
33	Energy management based fuzzy logic controller of hybrid system wind/photovoltaic/diesel with storage battery. International Journal of Hydrogen Energy, 2017, 42, 19525-19535.	7.1	119
34	Control of the Grid-Side Converter in Wind Conversion Systems with Flywheel Energy Storage and Constant Switching Frequency. , 2017, , .		1
35	Vector Control of Autonomous Induction Generator with Battery Storage System. , 2017, , .		0
36	Control of Wind Energy Conversion System based on PMSG. , 2017, , .		2

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37	Development of a Lab VIEW Interface to Maximize the Photovoltaic Power under Different Outdoor Conditions. , 2017, , .		3
38	Variable Speed Wind Generator Associated with Hybrid Energy Storage System-Application for Micro-grids. , 2017, , .		4
39	Power Flow Management for Stand Alone PV System with Batteries Under Two Scenarios. , 2017, , .		0
40	Robust nonlinear predictive control of permanent magnet synchronous generator turbine using Dspace hardware. International Journal of Hydrogen Energy, 2016, 41, 21047-21056.	7.1	27
41	Valve Regulated Lead Acid battery behavior in a renewable energy system under an ideal Mediterranean climate. International Journal of Hydrogen Energy, 2016, 41, 20928-20938.	7.1	20
42	Overview of energy storage in renewable energy systems. International Journal of Hydrogen Energy, 2016, 41, 20914-20927.	7.1	472
43	Performances analysis of WT-DFIG with PV and fuel cell hybrid power sources system associated with hydrogen storage hybrid energy system. International Journal of Hydrogen Energy, 2016, 41, 21006-21021.	7.1	75
44	Control and energy management of photovoltaic pumping system with battery storage. , 2016, , .		4
45	Energy management of battery-PEM Fuel cells Hybrid energy storage system for electric vehicle. , 2016, , .		8
46	Application of nonlinear predictive control for charging the battery using wind energy with permanent magnet synchronous generator. International Journal of Hydrogen Energy, 2016, 41, 20964-20973.	7.1	13
47	Supervisor control and optimization of multi-sources pumping system with battery storage. International Journal of Hydrogen Energy, 2016, 41, 20974-20986.	7.1	40
48	PEM fuel cell/ battery storage system supplying electric vehicle. International Journal of Hydrogen Energy, 2016, 41, 20993-21005.	7.1	85
49	Application of Direct Torque Control to a Photovoltaic Pumping System with Sliding-mode Control Optimization. Electric Power Components and Systems, 2016, 44, 172-184.	1.8	29
50	Photovoltaic panels characteristics under shadows. , 2016, , .		1
51	Wind turbine-DFIG/photovoltaic/fuel cell hybrid power sources system associated with hydrogen storage energy for micro-grid applications. , 2015, , .		8
52	Study of photovoltaic/hydrogen/ battery bank system to supply energy to an electric vehicle. , 2015, , .		1
53	Economic study of a solar/wind water pumping system with battery storage installed on the site of Bejaia. , 2015, , .		1
54	Overview of energy storage in renewable energy systems. , 2015, , .		18

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55	Photovoltaic pumping system in Bejaia climate with battery storage. International Journal of Hydrogen Energy, 2015, 40, 13665-13675.	7.1	60
56	Control of a grid connected photovoltaic system. , 2015, , .		29
57	A proposed strategy for power optimization of a wind energy conversion system connected to the grid. Energy Conversion and Management, 2015, 101, 489-502.	9.2	39
58	Study of hybrid photovoltaic/fuel cell system for stand-alone applications. International Journal of Hydrogen Energy, 2015, 40, 13820-13826.	7.1	49
59	Maximum Power Point Tracking Based Hybrid Hill-climb Search Method Applied to Wind Energy Conversion System. Electric Power Components and Systems, 2015, 43, 1028-1038.	1.8	48
60	Direct torque control implementation with losses minimization of induction motor for electric vehicle applications with high operating life of the battery. International Journal of Hydrogen Energy, 2015, 40, 13827-13838.	7.1	59
61	Supervisor control for stand-alone photovoltaic/hydrogen/ battery bank system to supply energy to an electric vehicle. International Journal of Hydrogen Energy, 2015, 40, 13777-13788.	7.1	31
62	Modeling and control of hybrid photovoltaic wind power system with battery storage. Energy Conversion and Management, 2015, 89, 615-625.	9.2	105
63	Optimisation of Wind System Conversion. Green Energy and Technology, 2014, , 77-105.	0.6	3
64	Direct Torque Control optimization with loss minimization of induction motor. , 2014, , .		3
65	Conversion Wind System Overview. Green Energy and Technology, 2014, , 1-49.	0.6	0
66	Development of hybrid photovoltaic-fuel cell system for stand-alone application. International Journal of Hydrogen Energy, 2014, 39, 1604-1611.	7.1	163
67	Wind Power Electric Systems. Green Energy and Technology, 2014, , .	0.6	23
68	Real time simulation of nonlinear generalized predictive control for wind energy conversion system with nonlinear observer. ISA Transactions, 2014, 53, 76-84.	5.7	28
69	Impact of shadow on the performances of a domestic photovoltaic pumping system incorporating an MPPT control: A case study in Bejaia, North Algeria. Energy Conversion and Management, 2014, 84, 20-29.	9.2	61
70	Modeling of hybrid photovoltaic/wind/fuel cells power system. International Journal of Hydrogen Energy, 2014, 39, 15158-15168.	7.1	74
71	Modeling, control and power management of hybrid photovoltaic fuel cells with battery bank supplying electric vehicle. International Journal of Hydrogen Energy, 2014, 39, 15178-15187.	7.1	97
72	MPPT controller for an interleaved boost dc-dc converter used in fuel cell electric vehicles. International Journal of Hydrogen Energy, 2014, 39, 15196-15205.	7.1	85

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73	Hybrid Wind Systems. Green Energy and Technology, 2014, , 163-183.	0.6	4
74	Modeling of Storage Systems. Green Energy and Technology, 2014, , 107-131.	0.6	0
75	Control of Photovoltaic Water Pumping System with Battery Storage. International Journal of Advanced Research in Electrical Electronics and Instrumentation Engineering, 2014, 3, 13144-13158.	0.0	0
76	Improved direct torque control of an induction generator used in a wind conversion system connected to the grid. ISA Transactions, 2013, 52, 525-538.	5.7	61
77	Optimal Control of a Grid Connected Photovoltaic System with Constant Switching Frequency. Energy Procedia, 2013, 36, 189-199.	1.8	21
78	Direct Power Control of a PWM Rectifier Fed Autonomous Induction Generator for Wind Energy Applications. Energy Procedia, 2013, 36, 391-400.	1.8	7
79	Tracking Power Photovoltaic System with Sliding Mode Control Strategy. Energy Procedia, 2013, 36, 219-230.	1.8	52
80	Modeling and control of an induction generator wind turbine connected to the grid. , 2013, , .		1
81	Wind Power Control System Associated to the Flywheel Energy Storage System Connected to the Grid. Energy Procedia, 2013, 36, 1147-1157.	1.8	7
82	Study on Decoupling Direct Power Control of PWM Rectifier Using Space Vector Modulation. Arabian Journal for Science and Engineering, 2013, 38, 875-882.	1.1	9
83	Photovoltaic Pumping Systems. Green Energy and Technology, 2012, , 181-221.	0.6	4
84	Photovoltaic Applications Overview. Green Energy and Technology, 2012, , 1-29.	0.6	1
85	Optimization of Photovoltaic Power Systems. Green Energy and Technology, 2012, , .	0.6	177
86	Wind energy conversion system associated to a flywheel energy storage system. Analog Integrated Circuits and Signal Processing, 2011, 69, 67-73.	1.4	28
87	Implementation of a MPPT fuzzy controller for photovoltaic systems on FPGA circuit. Energy Procedia, 2011, 6, 541-549.	1.8	111
88	Performances improvements and torque ripple minimization for VSI fed induction machine with direct control torque. ISA Transactions, 2011, 50, 213-219.	5.7	41
89	Modelling photovoltaic water pumping systems and evaluation of their CO2 emissions mitigation potential. Applied Energy, 2010, 87, 3451-3459.	10.1	102
90	Performance of an Isolated Induction Generator Under Unbalanced Loads. IEEE Transactions on Energy Conversion, 2010, 25, 303-311.	5.2	51

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91	Fuzzy logic control of stand-alone photovoltaic system with battery storage. Journal of Power Sources, 2009, 193, 899-907.	7.8	172
92	DSP-controlled direct torque control of induction machines based on modulated hysteresis control. , 2009, , .		19
93	Direct Torque Control Strategy for a Variable Speed Wind Energy Conversion System Associated to a Flywheel Energy Storage System. , 2009, , .		5
94	Modeling and Simulation of a Photovoltaic System Using Fuzzy Logic Controller. , 2009, , .		20
95	Vector control of autonomous induction generator taking saturation effect into account. Energy Conversion and Management, 2008, 49, 2609-2617.	9.2	47
96	Control strategies for an autonomous induction generator taking the saturation effect into account. , 2007, , .		11
97	A new approach to direct torque control strategy with minimization torque pulsations in permanent magnets synchronous machines. , 2005, , .		5
98	Optimization and minimization of torque ripple in A.C machines supplied by V.S.I. European Transactions on Electrical Power, 2001, 11, 323-328.	1.0	0
99	Design of a position sensor for torque ripple minimization of a voltage source inverter fed self-synchronous machine. International Journal of Electronics, 2001, 88, 939-953.	1.4	3
100	Position sensor of torque ripple minimization of VSI fed AC machines. , 0, , .		0
101	Direct torque control strategy of permanent magnet synchronous machines. , 0, , .		19