Issam Salhi

List of Publications by Year
in descending order

40 papers	372 citations	840776 11 h-index	839539 18 g-index
40 all docs	40 docs citations	40 times ranked	286 citing authors

#	Article	IF	Citations
1	Effect of burnerâ€™s configuration on the temperature profile inside an innovative solar-gas dryer: Numerical and experimental investigations. Sustainable Energy Technologies and Assessments, 2022, 49, 101690.	2.7	0
2	Model identification and fuzzy control of the temperature inside an active hybrid solar indirect dryer. Solar Energy, 2022, 231, 328-342.	6.1	21
3	Backstepping Supertwisting Control of Four-Phase Interleaved Boost Converter for PEM Fuel Cell. IEEE Transactions on Power Electronics, 2022, 37, 7858-7870.	7.9	22
4	Advanced cascade control strategy applied to an indirect hybrid solar-gas dryer: Numerical and experimental investigations. Sustainable Energy Technologies and Assessments, 2022, 53, 102380.	2.7	2
5	High Performance MPPT based on TS Fuzzyâ€“integral backstepping control for PV system under rapid varying irradianceâ€”Experimental validation. ISA Transactions, 2021, 118, 247-259.	5.7	25
6	Solar drying and thermodynamic sorption properties of phosphate sludge downstream of mine waste reclamation processes. Materials Today: Proceedings, 2021, , .	1.8	0
7	A Reliable Power Management Strategy of a PV-Based Electric Scooters Charging Station. , 2021, , .		1
8	Design and dSPACE Implementation of a Simplified Fuzzy Control of a DC-DC Three-Level Converter. Journal of Electrical and Computer Engineering, 2021, 2021, 1-15.	0.9	3
9	Robust control of four-phase interleaved boost converter by considering the performance of PEM fuel cell current. International Journal of Hydrogen Energy, 2021, 46, 38827-38840.	7.1	12
10	Observer-based Adaptive Sliding Mode Control of Interleaved Boost Converter for Fuel Cell Vehicles. , 2021, , .		0
11	Modeling and Design of a Solar-Powered Refrigerator for Vaccines Transportation in Remote Regions. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.8	2
12	Design of a Low-Cost Autonomous Controller, Management and Security System for Pico-Hydroelectric Power Plants. Journal Europeen Des Systemes Automatises, 2020, 53, 29-38.	0.4	0
13	Simulation, design and experimental performance evaluation of an innovative hybrid solar-gas dryer. Energy, 2019, 189, 116279.	8.8	25
14	Voltage control of DC-DC Three level Boost converter using TS Fuzzy PI controller. , 2019, , .		8
15	Design of mamdani type fuzzy controller for a hybrid solar-electric dryer: case study of clay drying. , 2019, , .		2
16	Investigation of the efficiency of a solar dryer with thermal storage by rock salt and by pebble bed. International Journal of Renewable Energy Technology, 2019, 10, 283.	0.3	2
17	Takagi Sugeno fuzzy modeling applied to an indirect solar dryer operated in both natural and forced convection. Renewable Energy, 2019, 133, 849-860.	8.9	32
18	Fuzzy modeling of a hybrid solar dryer: experimental validation. Journal of Energy Systems, 2019, 3, 1-13.	1.5	10

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19	DSPace Based Implementation of DRFOC Using Hysteresis Stator Flux Controllers for IM. European Journal of Electrical Engineering, 2019, 21, 61-66.	0.3	0
20	An Integrated Approach for Modeling Three-Phase Micro Hydropower Plants. European Journal of Electrical Engineering, 2019, 21, 479-487.	0.3	0
21	Thermal efficiency and exergy enhancement of solar air heaters, comparative study and experimental investigation. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	14
22	DSP-based implementation of a self-tuning fuzzy controller for three-level boost converter. Electric Power Systems Research, 2017, 146, 286-297.	3.6	22
23	Takagiâ€“Sugeno fuzzy modeling for three-phase micro hydropower plant prototype. International Journal of Hydrogen Energy, 2017, 42, 17782-17792.	7.1	9
24	Study and design of a pico-hydropower plant for academic education and research use. International Journal of Continuing Engineering Education and Life-Long Learning, 2017, 27, 303.	0.2	0
25	Study and design of a pico hydropower plant for academic education and research use. International Journal of Continuing Engineering Education and Life-Long Learning, 2017, 27, 1.	0.2	1
26	Modeling a three-phase micro hydropower plant prototype using Takagi-Sugeno fuzzy approach. , 2016, , .		1
27	A fault tolerant strategy for multilevel dc-dc converters to improve the PV system efficiency. IFAC-PapersOnLine, 2016, 49, 704-709.	0.9	7
28	Heat transfer in a solar-gas-electric hybrid dryer for the control of its operation and for energy management and storage. , 2016, , .		0
29	Takagi-Sugeno fuzzy modeling for three-phase micro hydropower plant prototype with a new load-frequency regulation structure. , 2016, , .		0
30	Control of a solar dryer using a hybrid solar gas collector. , 2016, , .		1
31	DC-DC Converter Fault Diagnostic in Wind Energy Production System. Simulation Study. Energy Procedia, 2015, 83, 408-417.	1.8	3
32	IM Direct Torque Control with no flux distortion and no static torque error. ISA Transactions, 2015, 59, 256-267.	5.7	23
33	Frequency regulation for large load variations on micro-hydro power plants with real-time implementation. International Journal of Electrical Power and Energy Systems, 2014, 60, 6-13.	5.5	19
34	Induction motor speed drive improvement using fuzzy IP-self-tuning controller. A real time implementation. ISA Transactions, 2013, 52, 406-417.	5.7	46
35	Application of multi-model control with fuzzy switching to a micro hydro-electrical power plant. Renewable Energy, 2010, 35, 2071-2079.	8.9	37
36	Fuzzy control of micro hydro power plants. , 2010, , .		8

#	Article	IF	Citations
37	Design and simulation of fuzzy controller and supervisor for a micro-hydro power plant. , 2010, , .		3
38	Modeling and regulation of a micro hydroelectric power plant. , 2008, , .		9
39	Thermal management of an unloaded hybrid dryer by generalized predictive control. Drying Technology, 0, , 1-13.	3.1	0
40	Mathematical modeling of an innovative hybrid solar-gas dryer. Journal of Energy Systems, 0, , 260-275.	1.5	2