Mohamed Derbeli

List of Publications by Year
in descending order

31 papers	534 citations	687363 13 h-index	752698 20 g-index
31 all docs	31 docs citations	31 times ranked	338 citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental validation of disturbance observer-based adaptive terminal sliding mode control subject to control input limitations for SISO and MIMO systems. European Journal of Control, 2022, 63, 151-163.	2.6	20
2	Experimental Analysis of a Fuzzy Scheme against a Robust Controller for a Proton Exchange Membrane Fuel Cell System. Symmetry, 2022, 14, 139.	2.2	2
3	Fractional Order PID Design for a Proton Exchange Membrane Fuel Cell System Using an Extended Grey Wolf Optimizer. Processes, 2022, 10, 450.	2.8	11
4	An Efficient and Robust Current Control for Polymer Electrolyte Membrane Fuel Cell Power System. Sustainability, 2021, 13, 2360.	3.2	9
5	High-Performance Tracking for Proton Exchange Membrane Fuel Cell System PEMFC Using Model Predictive Control. Mathematics, 2021, 9, 1158.	2.2	17
6	Fuzzy Logic Approach for Maximum Power Point Tracking Implemented in a Real Time Photovoltaic System. Applied Sciences (Switzerland), 2021, 11, 5927.	2.5	13
7	Double Fed Induction Generator Control Design Based on a Fuzzy Logic Controller for an Oscillating Water Column System. Energies, 2021, 14, 3499.	3.1	9
8	Advanced Trajectory Control for Piezoelectric Actuators Based on Robust Control Combined with Artificial Neural Networks. Applied Sciences (Switzerland), 2021, 11, 7390.	2.5	7
9	Machine Learning Approach for Modeling and Control of a Commercial Heliocentris FC50 PEM Fuel Cell System. Mathematics, 2021, 9, 2068.	2.2	12
10	A global integral terminal sliding mode control based on a novel reaching law for a proton exchange membrane fuel cell system. Applied Energy, 2021, 301, 117473.	10.1	27
11	High-Performance Tracking for Piezoelectric Actuators Using Super-Twisting Algorithm Based on Artificial Neural Networks. Mathematics, 2021, 9, 244.	2.2	11
12	Provision of Frequency Response from Wind Farms: A Review. Energies, 2021, 14, 6689.	3.1	24
13	Maximum Power Point Tracking Techniques for Photovoltaic Panel: A Review and Experimental Applications. Energies, 2021, 14, 7806.	3.1	21
14	Real-Time Implementation of a New MPPT Control Method for a DC-DC Boost Converter Used in a PEM Fuel Cell Power System. Actuators, 2020, 9, 105.	2.3	30
15	Advances in Tracking Control for Piezoelectric Actuators Using Fuzzy Logic and Hammerstein-Wiener Compensation. Mathematics, 2020, 8, 2071.	2.2	13
16	Robust high order sliding mode control for performance improvement of PEM fuel cell power systems. International Journal of Hydrogen Energy, 2020, 45, 29222-29234.	7.1	45
17	Design and Implementation of High Order Sliding Mode Control for PEMFC Power System. Energies, 2020, 13, 4317.	3.1	34
18	Optimal Energy Control of a PEM Fuel Cell/Battery Storage System. , 2019, , .		3

#	Article	IF	Citations
19	Efficiency Boosting for Proton Exchange Membrane Fuel Cell Power System Using New MPPT Method. , 2019, , .		5
20	Real-Time Implementation of a Super Twisting Algorithm for PEM Fuel Cell Power System. Energies, 2019, 12, 1594.	3.1	26
21	A Robust Maximum Power Point Tracking Control Method for a PEM Fuel Cell Power System. Applied Sciences (Switzerland), 2018, 8, 2449.	2.5	53
22	PEM fuel cell efficiency boosting â€" Robust MPP tracking. , 2018, , .		5
23	A robust MPP tracker based on backstepping algorithm for Proton Exchange Membrane Fuel Cell power system. , 2017, , .		10
24	Control of PEM fuel cell power system using sliding mode and super-twisting algorithms. International Journal of Hydrogen Energy, 2017, 42, 8833-8844.	7.1	74
25	Smart auto-tuned regulators in electric vehicule PMSM drives. , 2017, , .		3
26	Control of Proton Exchange Membrane Fuel Cell (PEMFC) power system using PI controller. , 2017, , .		17
27	Proton exchange membrane fuel cell â€" A smart drive algorithm. , 2017, , .		10
28	Sensorless and robust PEMFEC power system drive based on Z(Tn)observability. , 2017, , .		2
29	Modeling and control of a stand-alone PEMFC for AC load-PMSM application. , 2017, , .		4
30	PEM fuel cell green energy generation â€" SMC efficiency optimization. , 2017, , .		12
31	Tracking Control for Piezoelectric Actuators with Advanced Feed-forward Compensation Combined with PI Control.. , 0, , .		5