

Seyed Mehdi Rakhtala

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

283
citations

1163117

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h-index

1199594

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all docs

13
docs citations

13
times ranked

305
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of finite-time high-order sliding mode state observer: A practical insight to PEM fuel cell system. <i>Journal of Process Control</i> , 2014, 24, 203-224.	3.3	98
2	Design of second order sliding mode and sliding mode algorithms: a practical insight to DC-DC buck converter. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2017, 4, 483-497.	13.1	43
3	Fuzzy PID control of a stand-alone system based on PEM fuel cell. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 78, 576-590.	5.5	37
4	Real-Time Voltage Control Based on a Cascaded Super Twisting Algorithm Structure for DC-DC Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 633-641.	7.9	23
5	Control of oxygen excess ratio in a PEM fuel cell system using high-order sliding-mode controller and observer. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2015, 23, 255-278.	1.4	20
6	Voltage and frequency regulation in an islanded microgrid with PEM fuel cell based on a fuzzy logic voltage control and adaptive droop control. <i>IET Power Electronics</i> , 2020, 13, 78-85.	2.1	20
7	Robust control design for air breathing proton exchange membrane fuel cell system via variable gain second-order sliding mode. <i>Energy Science and Engineering</i> , 2018, 6, 126-143.	4.0	15
8	Proton exchange membrane fuel cell voltage-tracking using artificial neural networks. <i>Journal of Zhejiang University: Science C</i> , 2011, 12, 338-344.	0.7	8
9	Reducing Cost and Size in Photovoltaic Systems Using Three-Level Boost Converter Based on Fuzzy Logic Controller. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2019, 43, 313-323.	2.3	7
10	Real time control and fabrication of a soft robotic glove by two parallel sensors with MBD approach. <i>Medical Engineering and Physics</i> , 2022, 100, 103743.	1.7	7
11	Adaptive gain super twisting algorithm to control a knee exoskeleton disturbed by unknown bounds. <i>International Journal of Dynamics and Control</i> , 2021, 9, 711-726.	2.5	3
12	Simulation and hardware implementation of a sensorless modified MPTC for 3 ϕ induction motor drives. <i>International Transactions on Electrical Energy Systems</i> , 2021, 31, e13118.	1.9	1
13	Nonlinear robust controller design for an upper limb rehabilitation robot via variable gain super twisting sliding mode. <i>International Journal of Dynamics and Control</i> , 0, , 1.	2.5	1