Seyed Mehdi Rakhtala

List of Publications by Year
in descending order

13	283	1163117 8	1199594 12
papers	citations	h-index	g-index

13	13	13	305
all docs	docs citations	times ranked	citing authors

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