Moussa Sedraoui

List of Publications by Year
in descending order

35 papers	310 citations	840585 11 h-index	940416 16 g-index
35 all docs	35 docs citations	35 times ranked	260 citing authors

#	Article	IF	Citations
1	On-Off control based particle swarm optimization for maximum power point tracking of wind turbine equipped by DFIG connected to the grid with energy storage. International Journal of Hydrogen Energy, 2015, 40, 13749-13758.	3.8	38
2	Energy storage based on maximum power point tracking in photovoltaic systems: A comparison between GAs and PSO approaches. International Journal of Hydrogen Energy, 2015, 40, 13737-13748.	3.8	28
3	Robust control of doubly fed induction generator for stand-alone applications. Electric Power Systems Research, 2010, 80, 230-239.	2.1	26
4	Parameters identification of a photovoltaic module in a thermal system using meta-heuristic optimization methods. International Journal of Energy and Environmental Engineering, 2017, 8, 331-341.	1.3	23
5	A fractional model for robust fractional order Smith predictor. Nonlinear Dynamics, 2013, 73, 1557-1563.	2.7	20
6	Maximum power extraction framework using robust fractional-order feedback linearization control and GM-CPSO for PMSG-based WECS. Wind Engineering, 2021, 45, 1040-1054.	1.1	20
7	A robustification of the two degree-of-freedom controller based upon multivariable generalized predictive control law and robust H_∞ control for a doubly-fed induction generator. Transactions of the Institute of Measurement and Control, 2018, 40, 1005-1017.	1.1	15
8	Modeling and Fuzzy MPPT Controller Design for Photovoltaic Module Equipped with a Closed-Loop Cooling System. Journal of Electronic Materials, 2019, 48, 5471-5480.	1.0	14
9	Development of photovoltaic cell models using fundamental modeling approaches. Energy Procedia, 2019, 162, 263-274.	1.8	13
10	Identification and control design for a class of non-minimum phase dead-time systems based on fractional-order Smith predictor and genetic algorithm technique. International Journal of Dynamics and Control, 2019, 7, 914-925.	1.5	12
11	Small-signal modeling and robust multi-loop PID and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e773" altimg="si161.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>∞</mml:mi></mml:mrow></mml:msub></mml:math> controllers synthesis for a self-excited induction generator. ISA Transactions, 2021, 117, 234-250.	3.1	12
12	Control of uncertainly multi-variable system with fractional PID. , 2012, , .		9
13	Robustified fractional-order controller based on adjustable fractional weights for a doubly fed induction generator. Transactions of the Institute of Measurement and Control, 2017, 39, 660-674.	1.1	9
14	PAPR Reduction in FBMC-OQAM Systems Based on Discrete Sliding Norm Transform Technique. Radioelectronics and Communications Systems, 2019, 62, 51-60.	0.3	8
15	A ROBUST CONTROLLER BASED ON FRACTIONAL STRUCTURE FOR MIMO PLANT WITH MULTIPLE DELAYS. Control and Intelligent Systems, 2012, 40, .	0.3	8
16	Small signal model designing and robust decentralized tilt integral derivative TID controller synthesizing for twin rotor MIMO system. International Journal of Dynamics and Control, 2022, 10, 1657-1673.	1.5	8
17	Robust fractional PID controller synthesis approach for the permanent magnetic synchronous motor. International Journal of Machine Learning and Cybernetics, 2018, 9, 2027-2041.	2.3	6
18	Robust fractional order controller based on improved particle swarm optimization algorithm for the wind turbine equipped with a doubly fed asynchronous machine. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 1274-1286.	0.7	5

#	Article	IF	Citations
19	Robustified GPC controller based on H âˆž robust control for an hydraulic actuator. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2181-2188.	0.8	5
20	Robust Fuzzy Onâ€"Off Synthesis Controller for Maximum Power Point Tracking of Wind Energy Conversion. Transactions on Electrical and Electronic Materials, 2018, 19, 146-156.	1.0	5
21	Multiclassifiers system for handwritten Arabic literal amounts recognition based on enhanced feature extraction model. Journal of Electronic Imaging, 2018, 27, 1.	0.5	5
22	Nonlinear $$H\_infty$$ H âˆž control via measurement feedback using neural network. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 1109-1118.	0.8	3
23	Design of robust fractional order PID controller using fractional weights in the mixed sensitivity problem. , 2017, , .		3
24	Speed sensorless vector control of doubly fed induction machine using fuzzy logic control equipped with Luenberger observer. International Journal of Dynamics and Control, 2022, 10, 1876-1888.	1.5	3
25	Enhanced Indirect Field-Oriented Control of Single-Phase Induction Motor Drive Using Hâˆž Current Controller. Arabian Journal for Science and Engineering, 2019, 44, 7187-7202.	1.7	2
26	A robust performance enhancement of primary H $âˆž$ controller based on auto-selection of adjustable fractional weights: Application on a permanent magnet synchronous motor. Transactions of the Institute of Measurement and Control, 2019, 41, 3248-3263.	1.1	2
27	A Comparison Study: Direct and Indirect Mode Control of Perturb and Observe-MPPT Algorithms for Photovoltaic System. , 2019, , .		2
28	State Feedback Control of DC-DC Converter Using LQR Integral Controller and Kalman Filter Observer. Lecture Notes in Networks and Systems, 2021, , 1699-1709.	0.5	2
29	Ð£Ð¼ÐµÐ½ÑŒÑˆÐµÐ½Ð¸Ðµ PAPR Ð² ÑÐ¸ÑÑ‚ÐµÐ¼Ð°Ñ… FBMC-OQAM Ð½Ð° Ð¾ÑÐ½Ð¾Ð²Ðµ Ð Ð¸ÑÐºÑ€ÐµÑ‚Ð½Ð¾Ð³Ð¾		1
30	Fixed-order â„‹$âˆž$ controller based on HIFOO for a Doubly-Fed Induction Generator wind turbine. , 2016, , .		1
31	Adaptive fuzzy sliding mode control based on linear matrix inequalities for nonlinear systems. , 2017, , .		1
32	Robustification of the generalized predictive law (GPC) by the implicit application of the Hâˆž method. , 2019, , .		0
33	Sensorless Control of DC-DC Converter Using Integral State Feedback Controller and Luenberger Observer. Lecture Notes in Networks and Systems, 2021, , 1477-1488.	0.5	0
34	An improved Weber-face-based method for face recognition under uncontrolled illumination conditions. International Journal of Biometrics, 2020, 12, 218.	0.3	0
35	An improved sliding mode control for reduction of harmonic currents in grid system connected with a wind turbine equipped by a doubly-fed induction generator. Electrical Engineering & Electromechanics, 2022, , 47-55.	0.4	0