

Hisham M Soliman

List of Publications by Year in descending order

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36
papers

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1125743

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all docs

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36
times ranked

146
citing authors

#	ARTICLE	IF	CITATIONS
1	Saturated robust power system stabilizers. International Journal of Electrical Power and Energy Systems, 2015, 73, 608-614.	5.5	24
2	Robust stabilisation of power systems with random abrupt changes. IET Generation, Transmission and Distribution, 2015, 9, 2159-2166.	2.5	20
3	Reconfigurable Fault-tolerant PSS and FACTS Controllers. Electric Power Components and Systems, 2010, 38, 1446-1468.	1.8	17
4	Robust pole placement for power systems using two-dimensional membership fuzzy constrained controllers. IET Generation, Transmission and Distribution, 2017, 11, 3966-3973.	2.5	16
5	Robust guaranteed-cost control with regional pole placement of active suspensions. JVC/Journal of Vibration and Control, 2013, 19, 1170-1186.	2.6	12
6	Saturated robust control with regional pole placement and application to car active suspension. JVC/Journal of Vibration and Control, 2016, 22, 258-269.	2.6	12
7	Regional pole placement with saturated control for DC-DC buck converter through Hardware-in-the-Loop. Transactions of the Institute of Measurement and Control, 2016, 38, 1041-1052.	1.7	12
8	Robust Tracker of Hybrid Microgrids by the Invariant-Ellipsoid Set. Electronics (Switzerland), 2021, 10, 1794.	3.1	11
9	Resilient static output feedback power system stabiliser using PSO-LMI optimisation. International Journal of Systems, Control and Communications, 2013, 5, 74.	0.3	10
10	Stabilization of a large-scale power system via a multilevel technique. International Journal of Systems Science, 1978, 9, 1091-1111.	5.5	8
11	Disturbance rejection voltage control of an isolated microgrid by invariant sets. IET Renewable Power Generation, 2020, 14, 2331-2339.	3.1	8
12	Regional Pole Placers of Power Systems under Random Failures/Repair Markov Jumps. Energies, 2021, 14, 1989.	3.1	6
13	Resilient guaranteed cost control of a power system. Journal of Advanced Research, 2014, 5, 377-385.	9.5	5
14	Observer-based controller for constrained uncertain stochastic nonlinear discrete-time systems. International Journal of Robust and Nonlinear Control, 2016, 26, 2090-2115.	3.7	5
15	Optimization methods in fractional order control of electric drives: A comparative study. , 2015, , .		4
16	Resilient observer-based power system stabilizers. Transactions of the Institute of Measurement and Control, 2016, 38, 981-991.	1.7	4
17	Robust automatic generation control with saturated input using the ellipsoid method. International Transactions on Electrical Energy Systems, 2018, 28, e2483.	1.9	4
18	Invariant Sets in Saturated and Robust Vehicle Suspension Control. Arabian Journal for Science and Engineering, 2020, 45, 7055-7064.	3.0	4

#	ARTICLE	IF	CITATIONS
19	Minimum sensitivity pole placer. <i>Dynamical Systems</i> , 1988, 3, 51-56.	0.7	3
20	Robust reconfigurable fault-tolerant controllers for PSS/FACTS using Kharitonov theorem and particle swarm optimization. , 2010, , .		3
21	Robust flatness-based tracking control for brushless direct current motor drives. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 3254-3265.	2.6	3
22	Decentralized Robust Saturated Control of Power Systems Using Reachable Sets. <i>Complexity</i> , 2018, 2018, 1-12.	1.6	3
23	Robust Stabilization of Power Systems Subject to a Series of Lightning Strokes Modeled by Markov Jumps: Attracting Ellipsoids Approach. <i>Journal of the Franklin Institute</i> , 2022, 359, 3389-3389.	3.4	3
24	Stabilization by pole placement of constrained uncertain systems: Application to a buck converter. , 2013, , .		2
25	Wide-range reliable stabilization of time-delayed power systems. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2016, 24, 2853-2864.	1.4	2
26	Simulation of Distance Protection for Parallel Transmission Lines. , 2017, , .		2
27	Invariant-set design of observer-based robust control for power systems under stochastic topology and parameters changes. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 131, 107112.	5.5	2
28	Adaptive fuzzy delayed excitation control of power systems. , 2015, , .		1
29	Saturated Digital Control for Regional Pole Placement. , 2017, , .		1
30	Robust digital pole-placer for electric drives based on uncertain diophantine equation and interval mathematics. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 2546-2559.	1.7	1
31	Design of Robust Digital Pole Placer for Car Active Suspension with Input Constraint. , 0, , .		1
32	Optimal power system stabilizer. <i>International Journal of Systems Science</i> , 1995, 26, 1257-1261.	5.5	0
33	Wavelet-based adaptive nonlinear power system excitation control. , 2014, , .		0
34	Wavelet-based adaptive nonlinear power system excitation control. , 2014, , .		0
35	Robust Decentralized Voltage Tracker of Islanded Multi-DG AC Microgrids Using Invariant Ellipsoids. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2022, , 1-35.	0.4	0
36	Robust decentralized plug and play voltage tracker of islanded microgrids under loads and lines uncertainties by the invariant ellipsoids. <i>Journal of King Saud University, Engineering Sciences</i> , 2021, , .	2.0	0