

Rajagopalan Devanathan

List of Publications by Year in descending order

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50
papers

231
citations

1307366

7
h-index

1125617

13
g-index

50
all docs

50
docs citations

50
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	A temporal framework for assembly sequence representation and analysis. IEEE Transactions on Automation Science and Engineering, 1994, 10, 220-229.	2.4	32
2	Linearization condition through state feedback. IEEE Transactions on Automatic Control, 2001, 46, 1257-1260.	3.6	23
3	Neural network approach for linearizing control of nonlinear process plants. IEEE Transactions on Industrial Electronics, 2000, 47, 470-477.	5.2	20
4	Vision based neurofuzzy logic control of weld pool geometry. Science and Technology of Welding and Joining, 2002, 7, 321-325.	1.5	19
5	A temporal logic approach to discrete event control for the safety canonical class. Systems and Control Letters, 1996, 28, 205-217.	1.3	17
6	A lower bound for limiting time delay for closed-loop stability of an arbitrary SISO plant. IEEE Transactions on Automatic Control, 1995, 40, 717-721.	3.6	14
7	Comparative analysis and simulation of PWM and SVPWM inverter fed permanent magnet synchronous motor. , 2012, , .		10
8	Necessary and sufficient conditions for quadratic linearization of a linearly controllable system. International Journal of Control, 2004, 77, 613-621.	1.2	8
9	Temporal logic programming for assembly sequence planning. Advanced Engineering Informatics, 1993, 8, 253-263.	0.5	7
10	Feedback linearisation of a heat exchanger. Systems and Control Letters, 1995, 26, 203-209.	1.3	6
11	Pattern-based identification for process control applications. IEEE Transactions on Control Systems Technology, 1996, 4, 641-648.	3.2	6
12	Adoption of Park's Transformation for Inverter Fed Drive. International Journal of Power Electronics and Drive Systems, 2015, 5, 366.	0.5	6
13	Computer Aided Design Of Relay Ladder Logic Via State Transition Diagram. Proceedings of SPIE, 1987, , .	0.8	5
14	An expert autotuner for multiloop SISO controllers. Control Engineering Practice, 1993, 1, 999-1008.	3.2	5
15	Robust stabilization of a SISO system with uncertainty in time delay. IEEE Transactions on Automatic Control, 1992, 37, 1820-1823.	3.6	4
16	Explicit Necessary and Sufficient Conditions for Quadratic Linearization. Asian Journal of Control, 2013, 15, 225-236.	1.9	4
17	Diagnosis of power system failures using observer based discrete event system. , 2016, , .		4
18	Algorithms for Multiplierless Multiple Constant Multiplication in Online Arithmetic. Circuits, Systems, and Signal Processing, 2018, 37, 5127-5142.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Assembly Sequence Planning for Odd Form Component Insertion on Printed Circuit Boards Using and/or Graphs. , 0, , .		3
20	Linearisation of Permanent Magnet Synchronous Motor Model. , 2006, , .		3
21	Robust diagnosis of power system failures using discrete event system approach. , 2015, , .		3
22	EXPERT AUTO-TUNER FOR MULTIVARIABLE CONTROL APPLICATIONS. , 1992, , 267-272.		3
23	Continuously equivalent networks in state space. Electronics Letters, 1973, 9, 372.	0.5	2
24	Relay Ladder Logic Design Using The Language Of Regular Expressions. , 0, , .		2
25	Some optimum properties of PID regulators useful for expert system applications. , 0, , .		2
26	Robust Control of Permanent Magnet Synchronous Motor: Nevanlinna-Pick Approach. , 2008, , .		2
27	Modeling a system using observations in discrete event system for failure diagnosis. , 2015, , .		2
28	Fault Diagnosis of PMSM Using Artificial Neural Network. International Review on Modelling and Simulations, 2014, 7, 760.	0.2	2
29	Analysis and Application of Quadratic Linearization to the Control of Permanent Magnet Synchronous Motor. International Journal on Electrical Engineering and Informatics, 2014, 6, 644-664.	0.3	2
30	Performance Improvement of Bio-Inspired Strategies Through Feedback Laws. Advances in Intelligent Systems and Computing, 2018, , 143-156.	0.5	2
31	A Case for Sequential Control Systems and Programmable Logic Controllers in a University Curriculum. International Journal of Electrical Engineering and Education, 1990, 27, 218-225.	0.4	1
32	Complete Quadratic Linearisation of Machine Models. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	1
33	Application of quadratic linearization to control of Permanent Magnet synchronous motor. , 2011, , .		1
34	Modified nevanlinna - pick interpolation theory for control system design. , 2012, , .		1
35	Radix-2 ^h online floating point multipliers. , 2014, , .		1
36	Modified Nâ€™P Interpolation Theory for Closed Loop Pole Placement. Asian Journal of Control, 2015, 17, 1880-1888.	1.9	1

#	ARTICLE	IF	CITATIONS
37	Modeling and robust diagnosis of power system protection failures using observations in discrete event system. , 2016, , .		1
38	Pansharpeneing Using Data Driven Model Based on Linear Regression. , 2018, , .		1
39	Pansharpeneing using data-centric optimization approach. International Journal of Remote Sensing, 2019, 40, 7784-7804.	1.3	1
40	Process Identification through Stable Closed Loop Response. , 0, , .		0
41	A Temporal Logic Framework For Assembly Sequence Planning. , 0, , .		0
42	Linearisation of permanent magnet synchronous motor model. , 2006, , .		0
43	A New Linearisation Technique for Permanent Magnet Synchronous Motor Model. , 2008, , .		0
44	Indirect torque control of PMSM using hybrid system approach. , 2012, , .		0
45	Internal model control of PMSM using discrete event system approach. , 2015, , .		0
46	Necessary and sufficient condition for modified Nevanlinna-Pick interpolation for closed-loop pole placement. Control Theory and Technology, 2017, 15, 58-68.	1.0	0
47	Quadratic linearization of three phase horizontal gravity separator. , 2017, , .		0
48	An Analysis of Quadratic Linearization of Three Phase Horizontal Gravity Separator. , 2018, , .		0
49	Hybrid Re-Clustering Algorithm for Enhancement of Network Lifetime in Wireless Sensor Networks. International Review on Computers and Software, 2014, 9, 1548.	0.1	0
50	Study of Performance of Bio- Inspired Strategies Applied to Pursuit Evasion Game Under Feedback Laws. Advances in Science, Technology and Engineering Systems, 2019, 4, 207-219.	0.4	0