

Abbas Dideban

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

391
citations

840776

11
h-index

794594

19
g-index

33
all docs

33
docs citations

33
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduction of constraints for controller synthesis based on safe Petri Nets. <i>Automatica</i> , 2008, 44, 1697-1706.	5.0	55
2	Dual channel optical fiber refractive index sensor based on surface plasmon resonance. <i>Optik</i> , 2019, 186, 194-204.	2.9	39
3	Hollow-core graded index optical fiber refractive index sensor based on surface plasmon resonance. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	31
4	Design of a High-Bandwidth Y-Shaped Photonic Crystal Power Splitter for TE Modes. <i>International Journal of Optics and Photonics</i> , 2018, 12, 33-42.	0.3	29
5	Double window partial SOI-LDMOSFET: A novel device for breakdown voltage improvement. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 43, 498-502.	2.7	26
6	Controller Synthesis with Highly Simplified Linear Constraints. <i>Asian Journal of Control</i> , 2013, 15, 80-94.	3.0	25
7	Accurate modeling of uncertainties based on their dynamics analysis in microgrid planning. <i>Solar Energy</i> , 2017, 155, 419-433.	6.1	21
8	Design of adjustable T-shaped and Y-shaped photonic crystal power splitters for TM and TE polarizations. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2017, 25, 4398-4408.	1.4	18
9	Wind speed scenario generation based on dependency structure analysis. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 172, 453-465.	3.9	16
10	Highly sensitive surface plasmon resonance sensor using perforated optical fiber for biomedical applications. <i>Optik</i> , 2022, 250, 168051.	2.9	16
11	A novel 4H-SiC SOI-MESFET with a modified breakdown voltage mechanism for improving the electrical performance. <i>Semiconductor Science and Technology</i> , 2012, 27, 015001.	2.0	13
12	Safety analysis of discrete event systems using a simplified Petri net controller. <i>ISA Transactions</i> , 2014, 53, 44-49.	5.7	12
13	Surface plasmon resonance biosensor using inverted graded index optical fiber. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2021, 44, 100916.	2.0	12
14	Petri Net controller synthesis based on decomposed manufacturing models. <i>ISA Transactions</i> , 2018, 77, 90-99.	5.7	11
15	Optimal synchronization of non-smooth fractional order chaotic systems with uncertainty based on extension of a numerical approach in fractional optimal control problems. <i>Chaos, Solitons and Fractals</i> , 2018, 115, 325-340.	5.1	9
16	Solving the Problem of Forbidden States in Discrete Event Systems: A Novel Systematic Method for Reducing the Number of Control Places. <i>Asian Journal of Control</i> , 2015, 17, 1006-1015.	3.0	8
17	New technique to extend the vertical depletion region at SOI-LDMOSFETs. <i>Journal of Computational Electronics</i> , 2017, 16, 666-675.	2.5	8
18	A novel LDMOS structure using P-trench for high performance applications. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 654-658.	4.0	6

#	ARTICLE	IF	CITATIONS
19	Optimal control of non-smooth fractional-order systems based on extended Caputo derivative. <i>Nonlinear Dynamics</i> , 2019, 96, 57-74.	5.2	6
20	Solving the Problem of Forbidden States by Feedback Control Logical Synthesis. <i>Industrial Electronics Society (IECON)</i> , Annual Conference of IEEE, 2006, , .	0.0	5
21	Fault Modeling in Discrete Event Systems Using Petri Nets. <i>Transactions on Embedded Computing Systems</i> , 2013, 12, 1-19.	2.9	5
22	Determination of Minimal Sets of Control Places for Safe Petri Nets. <i>Proceedings of the American Control Conference</i> , 2007, , .	0.0	3
23	Feedback control logic synthesis for non safe Petri nets. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009, 42, 942-947.	0.4	3
24	Continuous-Time Delay-Petri Nets as a new tool to Design State Space Controller. <i>Information Technology and Control</i> , 2017, 45, .	2.1	3
25	Controller synthesis with very simplified linear constraints in PN model. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009, 42, 233-238.	0.4	2
26	Comparative study of buried insulator materials in LDMOSFETs. , 2010, , .		2
27	A Simple Petri Net controller in Discrete Event systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012, 45, 188-193.	0.4	2
28	Reconstructing long-term wind speed data based on measure correlate predict method for micro-grid planning. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 10183-10195.	4.9	2
29	Implementing PN-based controller with mutually exclusive transitions by SFC. , 2009, , .		1
30	Modeling continuous systems by Petri Nets using speed control arcs. , 2016, , .		1
31	SynthÃse optimale d'un contrÃleur par construction de l'ensemble minimal de contraintes. <i>Journal Europeen Des Systemes Automatises</i> , 2005, 39, 127-141.	0.4	1
32	Suboptimal time management of discrete event systems with uncontrollable events modeled by Petri nets. <i>Asian Journal of Control</i> , 2020, 22, 1099-1111.	3.0	0
33	Modeling and Controller Design of Nonlinear Dynamical Systems Using Extended-Time Delay-Petri Nets Tool. , 2021, , .		0