

Abbas Dideban

List of Publications by Year in descending order

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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	Highly sensitive surface plasmon resonance sensor using perforated optical fiber for biomedical applications. <i>Optik</i> , 2022, 250, 168051.	2.9	16
2	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
3	Modeling and Controller Design of Nonlinear Dynamical Systems Using Extended-Time Delay-Petri Nets Tool. , 2021, , .		0
4	Surface plasmon resonance biosensor using inverted graded index optical fiber. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2021, 44, 100916.	2.0	12
5	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
6	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
7	Optimal control of non-smooth fractional-order systems based on extended Caputo derivative. <i>Nonlinear Dynamics</i> , 2019, 96, 57-74.	5.2	6
8	Dual channel optical fiber refractive index sensor based on surface plasmon resonance. <i>Optik</i> , 2019, 186, 194-204.	2.9	39
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	Petri Net controller synthesis based on decomposed manufacturing models. <i>ISA Transactions</i> , 2018, 77, 90-99.	5.7	11
11	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
12	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
13	New technique to extend the vertical depletion region at SOI-LDMOSFETs. <i>Journal of Computational Electronics</i> , 2017, 16, 666-675.	2.5	8
14	Accurate modeling of uncertainties based on their dynamics analysis in microgrid planning. <i>Solar Energy</i> , 2017, 155, 419-433.	6.1	21
15	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
16	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
17	Modeling continuous systems by Petri Nets using speed control arcs. , 2016, , .		1
18	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

#	ARTICLE	IF	CITATIONS
19	A novel LDMOS structure using P-trench for high performance applications. Materials Science in Semiconductor Processing, 2015, 39, 654-658.	4.0	6
20	Safety analysis of discrete event systems using a simplified Petri net controller. ISA Transactions, 2014, 53, 44-49.	5.7	12
21	Controller Synthesis with Highly Simplified Linear Constraints. Asian Journal of Control, 2013, 15, 80-94.	3.0	25
22	Fault Modeling in Discrete Event Systems Using Petri Nets. Transactions on Embedded Computing Systems, 2013, 12, 1-19.	2.9	5
23	A Simple Petri Net controller in Discrete Event systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 188-193.	0.4	2
24	A novel 4H-SiC SOI-MESFET with a modified breakdown voltage mechanism for improving the electrical performance. Semiconductor Science and Technology, 2012, 27, 015001.	2.0	13
25	Double window partial SOI-LDMOSFET: A novel device for breakdown voltage improvement. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 498-502.	2.7	26
26	Comparative study of buried insulator materials in LDMOSFETs. , 2010, , .		2
27	Implementing PN-based controller with mutually exclusive transitions by SFC. , 2009, , .		1
28	Feedback control logic synthesis for non safe Petri nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 942-947.	0.4	3
29	Controller synthesis with very simplified linear constraints in PN model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 233-238.	0.4	2
30	Reduction of constraints for controller synthesis based on safe Petri Nets. Automatica, 2008, 44, 1697-1706.	5.0	55
31	Determination of Minimal Sets of Control Places for Safe Petri Nets. Proceedings of the American Control Conference, 2007, , .	0.0	3
32	Solving the Problem of Forbidden States by Feedback Control Logical Synthesis. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	5
33	Synthèse optimale d'un contrôleur par construction de l'ensemble minimal de contraintes. Journal European Des Systemes Automatisés, 2005, 39, 127-141.	0.4	1