Taha Boukhobza

List of Publications by Year
in descending order

38 papers	323 citations	933447 10 h-index	888059 17 g-index
40 all docs	40 docs citations	40 times ranked	252 citing authors

#	Article	IF	Citations
1	State and input observability for structured linear systems: A graph-theoretic approach. Automatica, 2007, 43, 1204-1210.	5.0	48
2	Observability analysis for structured bilinear systems: A graph-theoretic approach. Automatica, 2007, 43, 1968-1974.	5.0	32
3	State and input observability recovering by additional sensor implementation: A graph-theoretic approach. Automatica, 2009, 45, 1737-1742.	5.0	26
4	Observability of structured linear systems in descriptor form: A graph-theoretic approach. Automatica, 2006, 42, 629-635.	5.0	24
5	From ERα66 to ERα36: a generic method for validating a prognosis marker of breast tumor progression. BMC Systems Biology, 2015, 9, 28.	3.0	20
6	Observability of switching structured linear systems with unknown input. A graph-theoretic approach. Automatica, 2011, 47, 395-402.	5.0	19
7	Structural Analysis of the Partial State and Input Observability for Structured Linear Systems: Application to Distributed Systems. European Journal of Control, 2009, 15, 503-516.	2.6	17
8	Observability analysis and sensor location study for structured linear systems in descriptor form with unknown inputs. Automatica, 2011, 47, 2678-2683.	5.0	15
9	On the fixed controllable subspace in linear structured systems. Systems and Control Letters, 2017, 102, 42-47.	2.3	15
10	Mammary epithelial cell phenotype disruption in vitro and in vivo through ERalpha36 overexpression. PLoS ONE, 2017, 12, e0173931.	2.5	14
11	Low-Dose Alkylphenol Exposure Promotes Mammary Epithelium Alterations and Transgenerational Developmental Defects, But Does Not Enhance Tumorigenic Behavior of Breast Cancer Cells. Frontiers in Endocrinology, 2017, 8, 272.	3.5	9
12	Generic methodology for the probabilistic reliability assessment of some structural properties: a graph theoretical approach. International Journal of Systems Science, 2015, 46, 1825-1838.	5.5	8
13	A graph-theoretic approach to fault detection and isolation for structured bilinear systems. International Journal of Control, 2008, 81, 661-678.	1.9	7
14	A graph theoretical approach to the parameters identifiability characterisation. International Journal of Control, 2014, 87, 751-763.	1.9	7
15	Graphic approach for the determination of the existence of sequences guaranteeing observability of switched linear systems. Automatica, 2014, 50, 584-590.	5.0	7
16	Discrete mode observability of structured switching descriptor linear systems: A graph-theoretic approach. Automatica, 2013, 49, 3042-3048.	5.0	6
17	Uniform Observability Analysis for Structured Bilinear Systems A Graph-theoretic Approach. European Journal of Control, 2006, 12, 505-518.	2.6	5
18	Observability recovering by additional sensor implementation in structured bilinear systems. IET Control Theory and Applications, 2008, 2, 860-865.	2.1	5

#	Article	IF	Citations
19	Characterization of flat outputs for LPV discrete-time systems: A graph-oriented approach. , 2015, , .		5
20	Reliability and availability analysis of the structural observability of bilinear systems: A graph-theoretical approach. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2014, 228, 218-229.	0.7	4
21	On structural behavioural controllability of linear discrete time systems with delays. Systems and Control Letters, 2018, 119, 31-38.	2.3	4
22	Automatic Synthesis of Boolean Networks from Biological Knowledge and Data. Communications in Computer and Information Science, 2021, , 156-170.	0.5	4
23	Robustness against unknown Networked induced Delays of Observer based FDI. , 2007, , 300-305.		4
24	Data-driven causality digraph modeling of large-scale complex system based on transfer entropy. , 2014, , .		3
25	Graphical characterization of the set of all flat outputs for structured linear discrete-time systems. IFAC-PapersOnLine, 2016, 49, 19-24.	0.9	3
26	Disturbance rejection problem solvability: From structural approach to reliability/availability analysis. European Journal of Control, 2015, 21, 36-44.	2.6	2
27	On the observability of Switched Linear Systems with unobservable modes. IFAC-PapersOnLine, 2017, 50, 4552-4557.	0.9	2
28	A graph-oriented approach to address generically flat outputs in structured LTI discrete-time systems. Automatica, 2022, 142, 110344.	5.0	2
29	Decentralized and Autonomous Design for FDI/FTC of Networked Control Systems. , 2007, , 138-143.		1
30	Observability recovering for linear switched systems via sensor placement: a graphic approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 397-402.	0.4	1
31	Reliability assessment method for structural observer based FDI scheme by a graph theoretic approach. Annual Reviews in Control, 2013, 37, 137-145.	7.9	1
32	Partial state observability recovering for linear systems by additional sensor implementation. Automatica, 2014, 50, 858-863.	5.0	1
33	A dynamic graph characterisation of the fixed part of the controllable subspace of a linear structured system. Systems and Control Letters, 2019, 129, 17-25.	2.3	1
34	Partial observability in structured bilinear systems using a graphical approach. , 2008, , .		0
35	Final Comments by the Authors. European Journal of Control, 2009, 15, 520-522.	2.6	0
36	Communication sequence selection to preserve reachability/observability in networked control systems with communication constraints: a graphic approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8914-8919.	0.4	0

#	Article	IF	Citations
37	Probabilistic reliability assessment of elementary graphical conditions for structured systems: A graph theoretical approach. , 2014, , .		0
38	A mixed algebraic/graph-oriented approach for flatness of SISO LPV discrete-time systems. , 2017, , .		0