Bahram Shafai

List of Publications by Year
in descending order

40 papers	217 citations	1937685 4 h-index	1872680 6 g-index
40 all docs	40 docs citations	40 times ranked	141 citing authors

#	Article	IF	Citations
1	Decomposition-Based Distributed Control for Continuous-Time Multi-Agent Systems. IEEE Transactions on Automatic Control, 2013, 58, 258-264.	5.7	36
2	Complete characterisation of disturbance estimation and fault detection for positive systems. IET Control Theory and Applications, 2018, 12, 883-891.	2.1	22
3	Positive unknown input observer design for positive linear systems. , 2015, , .		17
4	Fault‐tolerant control of inverter for the integration of solar PV under abnormal conditions. Journal of Engineering, 2020, 2020, 1112-1122.	1.1	14
5	Decentralized PI observer-based control of nonlinear interconnected systems with disturbance attenuation. , 2011, , .		13
6	Registration in Multi-Sensor Data Fusion and Tracking. , 1993, , .		11
7	Distributed H<inf>2</inf> control of multi-agent dynamic systems: Continuous-time case. , 2010, , .		11
8	Observer-based Controller Design for Systems with Derivative Inputs. , 2019, , .		9
9	Robust Intrusion Detection in Dynamic Networks. , 2019, , .		9
10	Robust decentralized PI observer for linear interconnected systems. , 2011, , .		8
11	Robust fault detection for positive systems. , 2016, , .		8
12	Stability radius formulation of L_{∞} ‐gain in positive stabilisation of regular and time‐delay systems. IET Control Theory and Applications, 2019, 13, 2327-2335.	2.1	7
13	Design of Proportional Integral Adaptive Observer. , 2008, , .		6
14	Stability radius for extended linearization with system uncertainty. , 2010, , .		6
15	Distributed detection filter design for intruder identification. , 2016, , .		6
16	Augmenting human spatial navigation via sensory substitution. , 2017, , .		4
17	Design of PI observer for bilinear systems with unknown input disturbance. , 2012, , .		3
18	Distributed observer-based LQR design for multi-agent systems. , 2014, , .		3

#	Article	IF	Citations
19	State and unknown input disturbance estimation for positive linear systems. , 2016, , .		3
20	Positive stabilization of singular systems by proportional derivative state feedback. , 2017, , .		3
21	On controller design for delay-independent stability of linear time-invariant systems with multiple delays. , 2013, , .		3
22	A Design Procedure for Robust Actuator and Sensor Fault Detection. , 2020, , .		3
23	Positive stabilization of linear continuous-time singular systems. , 2016, , .		2
24	Data-Driven Positive Stabilization of Linear Systems. , 2022, , .		2
25	An algorithm for identification of smooth nonlinear systems based on parametrized linearization families. International Journal of Control, 1995, 61, 1013-1043.	1.9	1
26	Signalling enhancement on multilevel turbo codes. International Journal of Communication Systems, 2008, 21, 791-798.	2.5	1
27	Model reduction for Metzlerian systems. , 2008, , .		1
28	Constrained stabilization of dynamic systems described by vector differential equations. , 2009, , .		1
29	Distributed control of interconnected dynamic systems with random link failures. , 2012, , .		1
30	Computing structural controllability of linearly-coupled complex networks. , 2017, , .		1
31	Interval Identification of Nonlinear Systems using Neural Networks. , 1993, , .		1
32	Nonnegative Matrix Factorization Approach for Image Reconstruction. , 2021, , .		1
33	State estimation in discrete-time nonlinear stochastic systems subject to random data loss. , 2013, , .		0
34	Simultaneous state and fault estimation for positive systems. , 2016, , .		0
35	A top-down scheme of descriptive time series data analysis for healthy life: Introducing a fuzzy amended interaction network. , 2017, , .		0
36	Symmetric positive stabilization of linear time-invariant systems. , 2017, , .		0

#	Article	IF	Citations
37	Eigenvalue Assignment for Positive Discrete-Time Linear Systems. , 2018, , .		0
38	Distributed Unknown Input Observers for Fault Detection and Isolation. , 2019, , .		0
39	Design of Positive Unknown Input Observer for a Class of Positive Nonlinear Systems. , 2021, , .		0
40	Myolink: EMG-based Inter-human Wireless Neuroprosthetic Controller. , 2021, , .		0