

Muhammad Ali Al-Radhawi

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

260
citations

1306789

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1125271

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31
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docs citations

31
times ranked

179
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Term Regulation of Prolonged Epidemic Outbreaks in Large Populations via Adaptive Control: A Singular Perturbation Approach. , 2022, 6, 578-583.		14
2	A Robust Lyapunov Criterion for Nonoscillatory Behaviors in Biological Interaction Networks. IEEE Transactions on Automatic Control, 2022, 67, 3305-3320.	3.6	6
3	A mathematical model exhibiting the effect of DNA methylation on the stability boundary in cell-fate networks. Epigenetics, 2021, 16, 436-457.	1.3	13
4	Mediating Ribosomal Competition by Splitting Pools. , 2021, , .		1
5	Derivation of stationary distributions of biochemical reaction networks via structure transformation. Communications Biology, 2021, 4, 620.	2.0	8
6	Maximizing average throughput in oscillatory biochemical synthesis systems: an optimal control approach. Royal Society Open Science, 2021, 8, 210878.	1.1	6
7	Mediating Ribosomal Competition by Splitting Pools. , 2021, 5, 1555-1560.		7
8	A synthetic distributed genetic multi-bit counter. IScience, 2021, 24, 103526.	1.9	6
9	Delicate Balances in Cancer Chemotherapy: Modeling Immune Recruitment and Emergence of Systemic Drug Resistance. Frontiers in Immunology, 2020, 11, 1376.	2.2	23
10	Distributed Implementation of Boolean Functions by Transcriptional Synthetic Circuits. ACS Synthetic Biology, 2020, 9, 2172-2187.	1.9	18
11	A computational framework for a Lyapunov-enabled analysis of biochemical reaction networks. PLoS Computational Biology, 2020, 16, e1007681.	1.5	14
12	No Switching Policy Is Optimal for a Positive Linear System With a Bottleneck Entrance. , 2019, 3, 889-894.		7
13	Multi-modality in gene regulatory networks with slow promoter kinetics. PLoS Computational Biology, 2019, 15, e1006784.	1.5	29
14	Some Remarks on Robust Gene Regulation in a Biomolecular Integral Controller. , 2019, , .		3
15	Stochastic analysis of genetic feedback controllers to reprogram a pluripotency gene regulatory network. , 2019, 2019, 5089-5096.		3
16	Stochastic multistationarity in a model of the hematopoietic stem cell differentiation network. , 2018, 2018, 1886-1892.		2
17	Construction of robust Lyapunov functions for reaction networks. , 2016, , .		3
18	New Approach to the Stability of Chemical Reaction Networks: Piecewise Linear in Rates Lyapunov Functions. IEEE Transactions on Automatic Control, 2016, 61, 76-89.	3.6	51

#	ARTICLE	IF	CITATIONS
19	Decentralised - filtering of networked control systems: a jump system approach. International Journal of Systems Science, 2014, 45, 2182-2195.	3.7	4
20	Robust Lyapunov functions for Complex Reaction Networks: An uncertain system framework. , 2014, , .		14
21	Parameter estimation of superimposed damped sinusoids using exponential windows. Signal Processing, 2014, 100, 16-22.	2.1	1
22	Piecewise Linear in rates Lyapunov functions for Complex Reaction Networks. , 2013, , .		11
23	All possible second-order four-impedance two-stage Colpitts oscillators. IET Circuits, Devices and Systems, 2011, 5, 196.	0.9	13
24	Reduced order models for flat-plate solar collectors. , 2011, , .		0
25	Model reduction of flat-plate solar collector using time-space discretization. , 2010, , .		1