

Andras Gyorgy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

307
citations

6
h-index

17
g-index

22
ext. papers

411
ext. citations

3.7
avg, IF

3.98
L-index

#	Paper	IF	Citations
21	Context-Dependent Stability and Robustness of Genetic Toggle Switches with Leaky Promoters. <i>Life</i> , 2021 , 11,	3	1
20	Stability and Robustness of Unbalanced Genetic Toggle Switches in the Presence of Scarce Resources. <i>Life</i> , 2021 , 11,	3	1
19	Self-Activation Attenuates the Adverse Effects of Scarce Resources on Genetic Switches 2021 , 5, 611-616		
18	A Practical Step-by-Step Guide for Quantifying Retroactivity in Gene Networks. <i>Methods in Molecular Biology</i> , 2021 , 2229, 293-311	1.4	2
17	Scarcity of Cellular Resources Decreases the Robustness of Toggle Switches to Noise* 2020 ,		1
16	How Cell-to-Cell Heterogeneity and Scarce Resources Shape the Population-Level Stability Profile of Toggle Switches 2019 ,		2
15	Bistability Requires Better Balanced Toggle Switches in the Presence of Competition for Shared Cellular Resources* 2019 ,		3
14	Leveraging Resource Competition for Part Characterization in Cell-Free Extracts. <i>IFAC-PapersOnLine</i> , 2019 , 52, 17-23	0.7	1
13	Sharing Resources Can Lead to Monostability in a Network of Bistable Toggle Switches 2019 , 3, 308-313		10
12	Pattern Formation over Multigraphs. <i>IEEE Transactions on Network Science and Engineering</i> , 2018 , 5, 55-64	0.9	1
11	Optimal Experiment Design and Leveraging Competition for Shared Resources in Cell-Free Extracts 2018 ,		3
10	Pattern Formation in Large-Scale Networks with Asymmetric Connections. <i>IFAC-PapersOnLine</i> , 2017 , 50, 10944-10949	0.7	
9	Creating Single-Copy Genetic Circuits. <i>Molecular Cell</i> , 2016 , 63, 329-336	17.6	46
8	Quantifying resource competition and its effects in the TX-TL system 2016 ,		19
7	Isocost Lines Describe the Cellular Economy of Genetic Circuits. <i>Biophysical Journal</i> , 2015 , 109, 639-46	2.9	138
6	Modular composition of gene transcription networks. <i>PLoS Computational Biology</i> , 2014 , 10, e1003486	5	44
5	Limitations and trade-offs in gene expression due to competition for shared cellular resources 2014 ,		24

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| 4 | How slaves affect a master module in gene transcription networks 2013 , | 3 |
| 3 | Retroactivity to the input in complex gene transcription networks 2012 , | 6 |
| 2 | Quasi Model Based Optimal Control of Type 1 Diabetes Mellitus*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 5012-5017 | |
| 1 | Quasi-Model-Based Control of Type 1 Diabetes Mellitus. <i>Journal of Electrical and Computer Engineering</i> , 2011 , 2011, 1-12 | 1.9 2 |