

Michał Komorowski

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

558
citations

1040056

9
h-index

1199594

12
g-index

16
all docs

16
docs citations

16
times ranked

560
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenotypic variability, not noise, accounts for most of the cell-to-cell heterogeneity in IFN- β and oncostatin M signaling responses. <i>Science Signaling</i> , 2022, 15, eabd9303.	3.6	20
2	Making sense of BMP signaling complexity. <i>Cell Systems</i> , 2022, 13, 349-351.	6.2	2
3	Fractional response analysis reveals logarithmic cytokine responses in cellular populations. <i>Nature Communications</i> , 2021, 12, 4175.	12.8	9
4	Information-theoretic analyses of cellular strategies for achieving high signaling capacity dynamics, cross-wiring, and heterogeneity of cellular states. <i>Current Opinion in Systems Biology</i> , 2021, 27, 100352.	2.6	7
5	The tyrosine phosphatase SHP2 increases robustness and information transfer within IL-6-induced JAK/STAT signalling. <i>Cell Communication and Signaling</i> , 2021, 19, 94.	6.5	25
6	Information processing in unregulated and autoregulated gene expression. , 2020, , .		10
7	Information-theoretic analysis of multivariate single-cell signaling responses. <i>PLoS Computational Biology</i> , 2019, 15, e1007132.	3.2	36
8	The Limited Information Capacity of Cross-Reactive Sensors Drives the Evolutionary Expansion of Signaling. <i>Cell Systems</i> , 2019, 8, 76-85.e6.	6.2	22
9	An information-theoretic framework for deciphering pleiotropic and noisy biochemical signaling. <i>Nature Communications</i> , 2018, 9, 4591.	12.8	28
10	Clustering reveals limits of parameter identifiability in multi-parameter models of biochemical dynamics. <i>BMC Systems Biology</i> , 2015, 9, 65.	3.0	17
11	Decomposing Noise in Biochemical Signaling Systems Highlights the Role of Protein Degradation. <i>Biophysical Journal</i> , 2013, 104, 1783-1793.	0.5	41
12	Maximizing the Information Content of Experiments in Systems Biology. <i>PLoS Computational Biology</i> , 2013, 9, e1002888.	3.2	142
13	StochSens – matlab package for sensitivity analysis of stochastic chemical systems. <i>Bioinformatics</i> , 2012, 28, 731-733.	4.1	17
14	Sensitivity, robustness, and identifiability in stochastic chemical kinetics models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8645-8650.	7.1	182