

Markus Kollmann

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,151
citations

567281

15
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility of Wearable-Based Remote Monitoring in Patients During Intensive Treatment for Aggressive Hematologic Malignancies. <i>JCO Clinical Cancer Informatics</i> , 2022, 6, e2100126.	2.1	3
2	Predicting gene expression level in <i>E. coli</i> from mRNA sequence information. , 2019, , .		1
3	Pharmacosimulation of interruptions and its solution in intravenous administration of cangrelor. <i>Clinical Hemorheology and Microcirculation</i> , 2018, 68, 421-425.	1.7	0
4	Exponential Signaling Gain at the Receptor Level Enhances Signal-to-Noise Ratio in Bacterial Chemotaxis. <i>PLoS ONE</i> , 2014, 9, e87815.	2.5	10
5	A preconditioned MinRes solver for time- ϵ -periodic parabolic optimal control problems. <i>Numerical Linear Algebra With Applications</i> , 2013, 20, 761-784.	1.6	26
6	Thermal Robustness of Signaling in Bacterial Chemotaxis. <i>Cell</i> , 2011, 145, 312-321.	28.9	70
7	Robust Signal Processing in Living Cells. <i>PLoS Computational Biology</i> , 2011, 7, e1002218.	3.2	47
8	A sequestration feedback determines dynamics and temperature entrainment of the KaiABC circadian clock. <i>Molecular Systems Biology</i> , 2010, 6, 389.	7.2	56
9	Role of Translational Coupling in Robustness of Bacterial Chemotaxis Pathway. <i>PLoS Biology</i> , 2009, 7, e1000171.	5.6	54
10	Signatures of gene expression noise in cellular systems. <i>Progress in Biophysics and Molecular Biology</i> , 2009, 100, 57-66.	2.9	18
11	Quantifying Origins of Cell-to-Cell Variations in Gene Expression. <i>Biophysical Journal</i> , 2008, 95, 4523-4528.	0.5	27
12	Functioning and robustness of a bacterial circadian clock. <i>Molecular Systems Biology</i> , 2007, 3, 90.	7.2	83
13	Co-expression of signaling proteins improves robustness of the bacterial chemotaxis pathway. <i>Journal of Biotechnology</i> , 2007, 129, 173-180.	3.8	26
14	In Silico Biology: From Simulation to Understanding. <i>Current Biology</i> , 2007, 17, R132-R134.	3.9	18
15	Design principles of signal transduction pathways to compensate intracellular perturbations. , 2006, , .		0
16	Design principles of a bacterial signalling network. <i>Nature</i> , 2005, 438, 504-507.	27.8	260
17	Single-File Diffusion of Colloids in One-Dimensional Channels. <i>Physical Review Letters</i> , 2004, 93, 026001.	7.8	232
18	Single-file Diffusion of Atomic and Colloidal Systems: Asymptotic Laws. <i>Physical Review Letters</i> , 2003, 90, 180602.	7.8	169

#	ARTICLE	IF	CITATIONS
19	Dynamic properties, scaling and related freezing criteria of two- and three-dimensional colloidal dispersions. <i>Molecular Physics</i> , 2002, 100, 2921-2933.	1.7	25
20	Brownian dynamics study of dynamic scaling and related freezing criteria in quasi-two-dimensional dispersions. <i>Journal of Chemical Physics</i> , 2001, 114, 8701-8707.	3.0	26