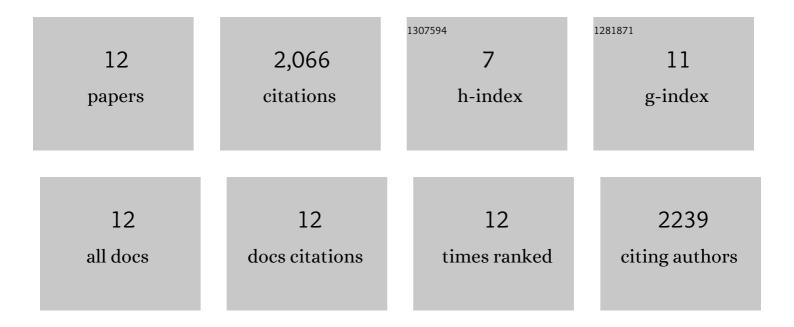
Matthew Scott

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9726004/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Interdependence of Cell Growth and Gene Expression: Origins and Consequences. Science, 2010, 330, 1099-1102.	12.6	1,183
2	Emergence of robust growth laws from optimal regulation of ribosome synthesis. Molecular Systems Biology, 2014, 10, 747.	7.2	374
3	Bacterial growth laws and their applications. Current Opinion in Biotechnology, 2011, 22, 559-565.	6.6	237
4	Growthâ€dependent bacterial susceptibility to ribosomeâ€ŧargeting antibiotics. Molecular Systems Biology, 2015, 11, 796.	7.2	123
5	Estimations of intrinsic and extrinsic noise in models of nonlinear genetic networks. Chaos, 2006, 16, 026107.	2.5	91
6	Approximating intrinsic noise in continuous multispecies models. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 718-737.	2.1	21
7	The role of Stern layer in the interplay of dielectric saturation and ion steric effects for the capacitance of graphene in aqueous electrolytes. Journal of Chemical Physics, 2017, 146, 094101.	3.0	17
8	Component Characterization in a Growth-Dependent Physiological Context: Optimal Experimental Design. Processes, 2019, 7, 52.	2.8	7
9	Growthâ€dependent heterogeneity in the DNA damage response in <i>Escherichia coli</i> . Molecular Systems Biology, 2022, 18, .	7.2	7
10	Long delay times in reaction rates increase intrinsic fluctuations. Physical Review E, 2009, 80, 031129.	2.1	5
11	Obtaining Arbitrary Prescribed Mean Field Dynamics for Recurrently Coupled Networks of Type-I Spiking Neurons with Analytically Determined Weights. Frontiers in Computational Neuroscience, 2016, 10, 15.	2.1	1
12	Metabolic models predict evolutionary dynamics. Nature Ecology and Evolution, 2021, 5, 560-561.	7.8	0