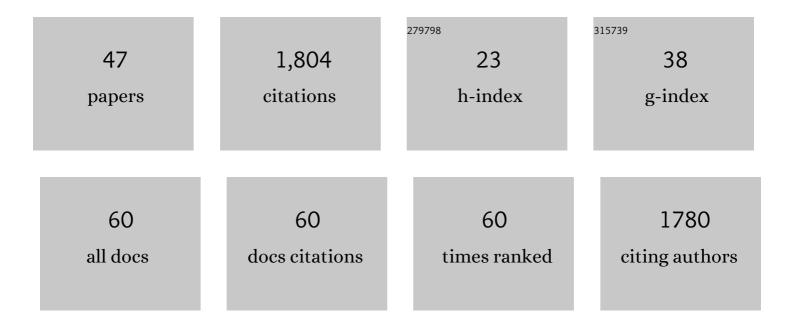
Thomas E Gorochowski

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Massively parallel characterization of engineered transcript isoforms using direct RNA sequencing. Nature Communications, 2022, 13, 434.	12.8	11
2	Improving the Robustness of Engineered Bacteria to Nutrient Stress Using Programmed Proteolysis. ACS Synthetic Biology, 2022, 11, 1049-1059.	3.8	9
3	An Open Platform for Highâ€Resolution Lightâ€Based Control of Microscopic Collectives. Advanced Intelligent Systems, 2022, 4, .	6.1	4
4	Harnessing the central dogma for stringent multi-level control of gene expression. Nature Communications, 2021, 12, 1738.	12.8	26
5	Cheetah: A Computational Toolkit for Cybergenetic Control. ACS Synthetic Biology, 2021, 10, 979-989.	3.8	23
6	Towards an engineering theory of evolution. Nature Communications, 2021, 12, 3326.	12.8	33
7	Efficient multiplexed gene regulation in <i>Saccharomyces cerevisiae</i> using dCas12a. Nucleic Acids Research, 2021, 49, 7775-7790.	14.5	24
8	paraSBOLv: a foundation for standard-compliant genetic design visualization tools. Synthetic Biology, 2021, 6, ysab022.	2.2	1
9	Characterizing Genetic Parts and Devices Using RNA Sequencing. Methods in Molecular Biology, 2021, 2229, 175-187.	0.9	0
10	Specifications of standards in systems and synthetic biology: status and developments in 2021. Journal of Integrative Bioinformatics, 2021, 18, .	1.5	2
11	The Synthetic Biology Open Language (SBOL) Version 3: Simplified Data Exchange for Bioengineering. Frontiers in Bioengineering and Biotechnology, 2020, 8, 1009.	4.1	40
12	Sequencing enabling design and learning in synthetic biology. Current Opinion in Chemical Biology, 2020, 58, 54-62.	6.1	18
13	Advances in engineering CRISPR-Cas9 as a molecular Swiss Army knife. Synthetic Biology, 2020, 5, ysaa021.	2.2	9
14	Self-adaptive biosystems through tunable genetic parts and circuits. Current Opinion in Systems Biology, 2020, 24, 78-85.	2.6	17
15	Tunable genetic devices through simultaneous control of transcription and translation. Nature Communications, 2020, 11, 2095.	12.8	29
16	SBOL Visual 2 Ontology. ACS Synthetic Biology, 2020, 9, 972-977.	3.8	3
17	Toward Engineering Biosystems With Emergent Collective Functions. Frontiers in Bioengineering and Biotechnology, 2020, 8, 705.	4.1	22
18	Synthetic biology open language (SBOL) version 3.0.0. Journal of Integrative Bioinformatics, 2020, 17, .	1.5	13

#	Article	IF	CITATIONS
19	Specifications of standards in systems and synthetic biology: status and developments in 2020. Journal of Integrative Bioinformatics, 2020, 17, .	1.5	10
20	<scp>P</scp> recision design of stable genetic circuits carried in highlyâ€insulated <i>E.Âcoli</i> genomic landing pads. Molecular Systems Biology, 2020, 16, e9584.	7.2	45
21	Communicating Structure and Function in Synthetic Biology Diagrams. ACS Synthetic Biology, 2019, 8, 1818-1825.	3.8	30
22	Augmented reality for the engineering of collective behaviours in microsystems. , 2019, , .		6
23	CRISPR/Cas12a Multiplex Genome Editing of Saccharomyces cerevisiae and the Creation of Yeast Pixel Art. Journal of Visualized Experiments, 2019, , .	0.3	10
24	Absolute quantification of translational regulation and burden using combined sequencing approaches. Molecular Systems Biology, 2019, 15, e8719.	7.2	61
25	Pathways to cellular supremacy in biocomputing. Nature Communications, 2019, 10, 5250.	12.8	88
26	Living computers powered by biochemistry. Biochemist, 2019, 41, 14-18.	0.5	13
27	Burden-driven feedback control of gene expression. Nature Methods, 2018, 15, 387-393.	19.0	281
28	Organization of feed-forward loop motifs reveals architectural principles in natural and engineered networks. Science Advances, 2018, 4, eaap9751.	10.3	40
29	Designing efficient translation. Nature Biotechnology, 2018, 36, 934-935.	17.5	12
30	Automated Visualization of Genetic Designs Using DNAplotlib. Methods in Molecular Biology, 2018, 1772, 399-409.	0.9	13
31	Registry in a tube: multiplexed pools of retrievable parts for genetic design space exploration. Nucleic Acids Research, 2017, 45, gkw1226.	14.5	37
32	A standard-enabled workflow for synthetic biology. Biochemical Society Transactions, 2017, 45, 793-803.	3.4	38
33	How Behaviour and the Environment Influence Transmission in Mobile Groups. Theoretical Biology, 2017, , 17-42.	0.1	4
34	Genetic circuit characterization and debugging using <scp>RNA</scp> â€seq. Molecular Systems Biology, 2017, 13, 952.	7.2	80
35	DNAplotlib: Programmable Visualization of Genetic Designs and Associated Data. ACS Synthetic Biology, 2017, 6, 1115-1119.	3.8	50
36	Agent-based modelling in synthetic biology. Essays in Biochemistry, 2016, 60, 325-336.	4.7	70

THOMAS E GOROCHOWSKI

#	Article	IF	CITATIONS
37	A Minimal Model of Ribosome Allocation Dynamics Captures Trade-offs in Expression between Endogenous and Synthetic Genes. ACS Synthetic Biology, 2016, 5, 710-720.	3.8	106
38	Memory and Combinatorial Logic Based on DNA Inversions: Dynamics and Evolutionary Stability. ACS Synthetic Biology, 2015, 4, 1361-1372.	3.8	42
39	Beyond contact-based transmission networks: the role of spatial coincidence. Journal of the Royal Society Interface, 2015, 12, 20150705.	3.4	38
40	Trade-offs between tRNA abundance and mRNA secondary structure support smoothing of translation elongation rate. Nucleic Acids Research, 2015, 43, 3022-3032.	14.5	111
41	Computational modeling and analysis of hippocampal-prefrontal information coding during a spatial decision-making task. Frontiers in Behavioral Neuroscience, 2014, 8, 62.	2.0	6
42	Using Synthetic Biological Parts and Microbioreactors to Explore the Protein Expression Characteristics of <i>Escherichia coli</i> . ACS Synthetic Biology, 2014, 3, 129-139.	3.8	36
43	Translational sensitivity of the Escherichia coli genome to fluctuating tRNA availability. Nucleic Acids Research, 2013, 41, 8021-8033.	14.5	36
44	Using Aging to Visually Uncover Evolutionary Processes on Networks. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 1343-1352.	4.4	29
45	BSim: An Agent-Based Tool for Modeling Bacterial Populations in Systems and Synthetic Biology. PLoS ONE, 2012, 7, e42790.	2.5	116
46	Evolving dynamical networks: A formalism for describing complex systems. Complexity, 2012, 17, 18-25.	1.6	34
47	Evolving enhanced topologies for the synchronization of dynamical complex networks. Physical Review F 2010 81 056212	2.1	56