Alex Gavryushkin

List of Publications by Year
in descending order

24 papers	701 citations	1163117 8 h-index	752698 20 g-index
38 all docs	38 docs citations	38 times ranked	974 citing authors

#	ARTICLE	IF	CITATIONS
1	Microbiome interactions shape host fitness. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11951-E11960.	7.1	426
2	The space of ultrametric phylogenetic trees. Journal of Theoretical Biology, 2016, 403, 197-208.	1.7	32
3	Inferring genetic interactions from comparative fitness data. ELife, 2017, 6, .	6.0	32
4	How well can the exponential-growth coalescent approximate constant-rate birth–death population dynamics?. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150420.	2.6	29
5	Reducibilities among equivalence relations induced by recursively enumerable structures. Theoretical Computer Science, 2016, 612, 137-152.	0.9	20
6	Graphs realised by r.e. equivalence relations. Annals of Pure and Applied Logic, 2014, 165, 1263-1290.	0.5	18
7	Toward Analysis of Structural Changes Common for Alkaline Carbonates and Binary Compounds: Prediction of High-Pressure Structures of Li_2CO_3, Na_2CO_3, and K_2CO_3. Crystal Growth and Design, 2016, 16, 5612-5617.	3.0	15
8	The combinatorics of discrete time-trees: theory and open problems. Journal of Mathematical Biology, 2018, 76, 1101-1121.	1.9	14
9	Computing nearest neighbour interchange distances between ranked phylogenetic trees. Journal of Mathematical Biology, 2021, 82, 8.	1.9	11
10	Stability of B2–type FeS at Earth's inner core pressures. Geophysical Research Letters, 2016, 43, 8435-8440.	4.0	10
11	The geometry of partial fitness orders and an efficient method for detecting genetic interactions. Journal of Mathematical Biology, 2018, 77, 951-970.	1.9	8
12	Sustained software development, not number of citations or journal choice, is indicative of accurate bioinformatic software. Genome Biology, 2022, 23, 56.	8.8	8
13	Learning epistatic gene interactions from perturbation screens. PLoS ONE, 2021, 16, e0254491.	2.5	5
14	Accounting for Errors in Data Improves Divergence Time Estimates in Single-cell Cancer Evolution. Molecular Biology and Evolution, 2022, 39, .	8.9	5
15	Spectra of computable models for Ehrenfeucht theories. Algebra and Logic, 2007, 46, 149-157.	0.3	4
16	Tiling algebra for constraint-based layout editing. Journal of Logical and Algebraic Methods in Programming, 2017, 89, 67-94.	0.5	4
17	Discrete coalescent trees. Journal of Mathematical Biology, 2021, 83, 60.	1.9	4
18	Unbiased crystal structure prediction of NiSi under high pressure. Journal of Applied Crystallography, 2015, 48, 906-908.	4.5	3

#	Article	IF	Citations
19	Dynamic Algorithms for Multimachine Interval Scheduling Through Analysis of Idle Intervals. Algorithmica, 2016, 76, 1160-1180.	1.3	2
20	Universality for left-computably enumerable metric spaces. Lobachevskii Journal of Mathematics, 2014, 35, 292-294.	0.9	1
21	Microbiome interactions shape host fitness. , 0, , .		1
22	Tuberous sclerosis complex: a complex case.. Cold Spring Harbor Molecular Case Studies, 2022, 8, .	1.0	1
23	Decidable models of small theories. Lobachevskii Journal of Mathematics, 2015, 36, 446-449.	0.9	0
24	THE SPACE OF SAMPLED ANCESTOR TREES. , 2016, , .		0