

Aaron David Goldman

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

532
citations

840585

11
h-index

794469

19
g-index

21
all docs

21
docs citations

21
times ranked

779
citing authors

#	ARTICLE	IF	CITATIONS
1	The Architecture of a Scrambled Genome Reveals Massive Levels of Genomic Rearrangement during Development. <i>Cell</i> , 2014, 158, 1187-1198.	13.5	152
2	The TIM Barrel Architecture Facilitated the Early Evolution of Protein-Mediated Metabolism. <i>Journal of Molecular Evolution</i> , 2016, 82, 17-26.	0.8	68
3	Cofactors are Remnants of Life's Origin and Early Evolution. <i>Journal of Molecular Evolution</i> , 2021, 89, 127-133.	0.8	48
4	LUCApedia: a database for the study of ancient life. <i>Nucleic Acids Research</i> , 2012, 41, D1079-D1082.	6.5	42
5	The evolution and functional repertoire of translation proteins following the origin of life. <i>Biology Direct</i> , 2010, 5, 15.	1.9	41
6	What Is a Genome?. <i>PLoS Genetics</i> , 2016, 12, e1006181.	1.5	35
7	The Enzymatic and Metabolic Capabilities of Early Life. <i>PLoS ONE</i> , 2012, 7, e39912.	1.1	24
8	Oxytricha as a modern analog of ancient genome evolution. <i>Trends in Genetics</i> , 2012, 28, 382-388.	2.9	18
9	The Coevolution of Cellularity and Metabolism Following the Origin of Life. <i>Journal of Molecular Evolution</i> , 2020, 88, 598-617.	0.8	16
10	Comprehensive computational analysis of Hmd enzymes and paralogs in methanogenic Archaea. <i>BMC Evolutionary Biology</i> , 2009, 9, 199.	3.2	14
11	Scaling laws in enzyme function reveal a new kind of biochemical universality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	14
12	The very early evolution of protein translocation across membranes. <i>PLoS Computational Biology</i> , 2021, 17, e1008623.	1.5	13
13	A consensus view of the proteome of the last universal common ancestor. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	10
14	Emerging Frontiers in the Study of Molecular Evolution. <i>Journal of Molecular Evolution</i> , 2020, 88, 211-226.	0.8	8
15	Reactivity of Metabolic Intermediates and Cofactor Stability under Model Early Earth Conditions. <i>Origins of Life and Evolution of Biospheres</i> , 2020, 50, 35-55.	0.8	8
16	The complex phylogenetic relationships of a 4mC/6mA DNA methyltransferase in prokaryotes. <i>Molecular Phylogenetics and Evolution</i> , 2020, 149, 106837.	1.2	8
17	Testing Abiotic Reduction of NAD ⁺ Directly Mediated by Iron/Sulfur Minerals. <i>Astrobiology</i> , 2022, 22, 25-34.	1.5	7
18	Phylogenetic Reconstruction Shows Independent Evolutionary Origins of Mitochondrial Transcription Factors from an Ancient Family of RNA Methyltransferase Proteins. <i>Journal of Molecular Evolution</i> , 2018, 86, 277-282.	0.8	3

#	ARTICLE	IF	CITATIONS
19	The Journal of Molecular Evolution Turns 50. <i>Journal of Molecular Evolution</i> , 2021, 89, 119-121.	0.8	2
20	Understanding the Early Major Transitions in Evolutionary History Part 2: Ancient Evolution of Biological Systems and the Biosphere. , 2021, 53, .		0