

Loren Dean Williams

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5848830/publications.pdf>

Version: 2024-02-01

26
papers

706
citations

623734

14
h-index

610901

24
g-index

34
all docs

34
docs citations

34
times ranked

668
citing authors

#	ARTICLE	IF	CITATIONS
1	Root of the Tree: The Significance, Evolution, and Origins of the Ribosome. <i>Chemical Reviews</i> , 2020, 120, 4848-4878.	47.7	116
2	Selective incorporation of proteinaceous over nonproteinaceous cationic amino acids in model prebiotic oligomerization reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16338-16346.	7.1	81
3	Mutually stabilizing interactions between proto-peptides and RNA. <i>Nature Communications</i> , 2020, 11, 3137.	12.8	61
4	R2DT is a framework for predicting and visualising RNA secondary structure using templates. <i>Nature Communications</i> , 2021, 12, 3494.	12.8	58
5	Multiple prebiotic metals mediate translation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12164-12169.	7.1	48
6	Folding, Assembly, and Persistence: The Essential Nature and Origins of Biopolymers. <i>Journal of Molecular Evolution</i> , 2018, 86, 598-610.	1.8	44
7	Human ribosomal G-quadruplexes regulate heme bioavailability. <i>Journal of Biological Chemistry</i> , 2020, 295, 14855-14865.	3.4	32
8	Water and Life: The Medium is the Message. <i>Journal of Molecular Evolution</i> , 2021, 89, 2-11.	1.8	29
9	Supersized Ribosomal RNA Expansion Segments in Asgard Archaea. <i>Genome Biology and Evolution</i> , 2020, 12, 1694-1710.	2.5	24
10	Thioesters provide a plausible prebiotic path to proto-peptides. <i>Nature Communications</i> , 2022, 13, 2569.	12.8	24
11	Profusion of G-quadruplexes on both subunits of metazoan ribosomes. <i>PLoS ONE</i> , 2019, 14, e0226177.	2.5	19
12	The Ancient Heart of the Ribosomal Large Subunit: A Response to Caetano-Anolles. <i>Journal of Molecular Evolution</i> , 2015, 80, 166-170.	1.8	18
13	Cutting in-line with iron: ribosomal function and non-oxidative RNA cleavage. <i>Nucleic Acids Research</i> , 2020, 48, 8663-8674.	14.5	18
14	Transition metals enhance prebiotic depsipeptide oligomerization reactions involving histidine. <i>RSC Advances</i> , 2021, 11, 3534-3538.	3.6	17
15	Fold Evolution before LUCA: Common Ancestry of SH3 Domains and OB Domains. <i>Molecular Biology and Evolution</i> , 2021, 38, 5134-5143.	8.9	17
16	RNA: packaged and protected by VLPs. <i>RSC Advances</i> , 2018, 8, 21399-21406.	3.6	15
17	Eukaryotic Ribosomal Expansion Segments as Antimicrobial Targets. <i>Biochemistry</i> , 2017, 56, 5288-5299.	2.5	12
18	Adaptation and Exaptation: From Small Molecules to Feathers. <i>Journal of Molecular Evolution</i> , 2022, 90, 166-175.	1.8	12

#	ARTICLE	IF	CITATIONS
19	Protein-free ribosomal RNA folds to a near-native state in the presence of Mg ²⁺ . RSC Advances, 2017, 7, 54674-54681.	3.6	10
20	ProteoVision: web server for advanced visualization of ribosomal proteins. Nucleic Acids Research, 2021, 49, W578-W588.	14.5	10
21	Circular Permutation Obscures Universality of a Ribosomal Protein. Journal of Molecular Evolution, 2018, 86, 581-592.	1.8	8
22	TwinCons: Conservation score for uncovering deep sequence similarity and divergence. PLoS Computational Biology, 2021, 17, e1009541.	3.2	8
23	Proteotoxic stress promotes entrapment of ribosomes and misfolded proteins in a shared cytosolic compartment. Nucleic Acids Research, 2020, 48, 3888-3905.	14.5	6
24	Water-Based Dynamic Depsipeptide Chemistry: Building Block Recycling and Oligomer Distribution Control Using Hydration/Dehydration Cycles. JACS, 2022, 2, 1395-1404.	7.9	6
25	Profusion of G-quadruplexes on both subunits of metazoan ribosomes. , 2019, 14, e0226177.		0
26	Profusion of G-quadruplexes on both subunits of metazoan ribosomes. , 2019, 14, e0226177.		0