

Loren Dean Williams

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

706
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623734

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Adaptation and Exaptation: From Small Molecules to Feathers. <i>Journal of Molecular Evolution</i> , 2022, 90, 166-175.	1.8	12
2	Thioesters provide a plausible prebiotic path to proto-peptides. <i>Nature Communications</i> , 2022, 13, 2569.	12.8	24
3	Water-Based Dynamic Depsipeptide Chemistry: Building Block Recycling and Oligomer Distribution Control Using Hydration/Dehydration Cycles. <i>Jacs Au</i> , 2022, 2, 1395-1404.	7.9	6
4	Transition metals enhance prebiotic depsipeptide oligomerization reactions involving histidine. <i>RSC Advances</i> , 2021, 11, 3534-3538.	3.6	17
5	ProteoVision: web server for advanced visualization of ribosomal proteins. <i>Nucleic Acids Research</i> , 2021, 49, W578-W588.	14.5	10
6	R2DT is a framework for predicting and visualising RNA secondary structure using templates. <i>Nature Communications</i> , 2021, 12, 3494.	12.8	58
7	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
8	Water and Life: The Medium is the Message. <i>Journal of Molecular Evolution</i> , 2021, 89, 2-11.	1.8	29
9	TwinCons: Conservation score for uncovering deep sequence similarity and divergence. <i>PLoS Computational Biology</i> , 2021, 17, e1009541.	3.2	8
10	Cutting in-line with iron: ribosomal function and non-oxidative RNA cleavage. <i>Nucleic Acids Research</i> , 2020, 48, 8663-8674.	14.5	18
11	Supersized Ribosomal RNA Expansion Segments in Asgard Archaea. <i>Genome Biology and Evolution</i> , 2020, 12, 1694-1710.	2.5	24
12	Human ribosomal G-quadruplexes regulate heme bioavailability. <i>Journal of Biological Chemistry</i> , 2020, 295, 14855-14865.	3.4	32
13	Root of the Tree: The Significance, Evolution, and Origins of the Ribosome. <i>Chemical Reviews</i> , 2020, 120, 4848-4878.	47.7	116
14	Mutually stabilizing interactions between proto-peptides and RNA. <i>Nature Communications</i> , 2020, 11, 3137.	12.8	61
15	Proteotoxic stress promotes entrapment of ribosomes and misfolded proteins in a shared cytosolic compartment. <i>Nucleic Acids Research</i> , 2020, 48, 3888-3905.	14.5	6
16	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
17	Profusion of G-quadruplexes on both subunits of metazoan ribosomes. <i>PLoS ONE</i> , 2019, 14, e0226177.	2.5	19
18	Profusion of G-quadruplexes on both subunits of metazoan ribosomes. , 2019, 14, e0226177.		0

#	ARTICLE	IF	CITATIONS
19	Profusion of G-quadruplexes on both subunits of metazoan ribosomes. , 2019, 14, e0226177.		0
20	Multiple prebiotic metals mediate translation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12164-12169.	7.1	48
21	Folding, Assembly, and Persistence: The Essential Nature and Origins of Biopolymers. Journal of Molecular Evolution, 2018, 86, 598-610.	1.8	44
22	Circular Permutation Obscures Universality of a Ribosomal Protein. Journal of Molecular Evolution, 2018, 86, 581-592.	1.8	8
23	RNA: packaged and protected by VLPs. RSC Advances, 2018, 8, 21399-21406.	3.6	15
24	Eukaryotic Ribosomal Expansion Segments as Antimicrobial Targets. Biochemistry, 2017, 56, 5288-5299.	2.5	12
25	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
26	The Ancient Heart of the Ribosomal Large Subunit: A Response to Caetano-Anolles. Journal of Molecular Evolution, 2015, 80, 166-170.	1.8	18