

New insights into prebiotic chemistry from Stanley Mil

Chemical Society Reviews

42, 2186

DOI: 10.1039/c3cs35433d

Citation Report

#	ARTICLE	IF	CITATIONS
1	Role of Ferrocyanides in the Prebiotic Synthesis of $\hat{\pm}$ -Amino Acids. Origins of Life and Evolution of Biospheres, 2013, 43, 191-206.	0.8	15
2	Formaldehyde – A Key Monad of the Biomolecular System. Life, 2013, 3, 486-501.	1.1	2
3	Simulations of Prebiotic Chemistry under Post-Impact Conditions on Titan. Life, 2013, 3, 538-549.	1.1	6
5	The Stereochemical Basis of the Genetic Code and the (Mostly) Autotrophic Origin of Life. Life, 2014, 4, 1013-1025.	1.1	11
7	Habitable worlds with no signs of life. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130082.	1.6	32
8	Hydrogen sulfide in plants: From dissipation of excess sulfur to signaling molecule. Nitric Oxide - Biology and Chemistry, 2014, 41, 72-78.	1.2	172
9	Compartmentalised chemistry: from studies on the origin of life to engineered biochemical systems. New Journal of Chemistry, 2014, 38, 5135-5141.	1.4	31
10	Genetic Code Evolution Started with the Incorporation of Glycine, Followed by Other Small Hydrophilic Amino Acids. Journal of Molecular Evolution, 2014, 78, 307-309.	0.8	25
11	A Plausible Simultaneous Synthesis of Amino Acids and Simple Peptides on the Primordial Earth. Angewandte Chemie - International Edition, 2014, 53, 8132-8136.	7.2	82
12	Chiral encoding may provide a simple solution to the origin of life. Nature Chemistry, 2014, 6, 569-574.	6.6	29
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15	Ab initio simulations and the Miller prebiotic synthesis experiment. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E342.	3.3	8
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17	<i>Omne Vivum Ex Vivo</i> – How to Feed an Inanimate Evolvable Chemical System so as to Let it Self-evolve into Increased Complexity and Life-like Behaviour. Israel Journal of Chemistry, 2015, 55, 851-864.	1.0	18
18	Spontaneous formation and amplification of an enantioenriched $\hat{\pm}$ -amino nitrile: a chiral precursor for Strecker amino acid synthesis. Chemical Communications, 2015, 51, 14377-14380.	2.2	48
19	Amino Acids and Peptides, Essential Ingredients of Life. , 2016, , 25-28.		0
20	Clues to tRNA Evolution from the Distribution of Class II tRNAs and Serine Codons in the Genetic Code. Life, 2016, 6, 10.	1.1	5

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22	Incubating Life: Prebiotic Sources of Organics for the Origin of Life. <i>Elements</i> , 2016, 12, 401-406.	0.5	31
23	A proposal of the proteome before the last universal common ancestor (LUCA). <i>International Journal of Astrobiology</i> , 2016, 15, 27-31.	0.9	16
24	On the lack of evolutionary continuity between prebiotic peptides and extant enzymes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20028-20032.	1.3	30
25	Sunlight as an energetic driver in the synthesis of molecules necessary for life. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20067-20084.	1.3	85
26	Quantitation of $\alpha$ -hydroxy acids in complex prebiotic mixtures via liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2043-2051.	0.7	34
27	From Compositional Chemical Ecologies to Self-replicating Ribosomes and on to Functional Trait Ecological Networks. , 2016, , 327-343.		1
28	Stochastic Prebiotic Chemistry within Realistic Geological Systems. <i>ChemistrySelect</i> , 2016, 1, 4906-4926.	0.7	13
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39	Asymmetric Strecker Reaction Arising from the Molecular Orientation of an Achiral Imine at the Single-Crystal Face: Enantioenriched <i>l</i> - and <i>d</i> -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1055-1058.	7.2	33

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42	Elongation of Model Prebiotic Proto-Peptides by Continuous Monomer Feeding. Macromolecules, 2017, 50, 9286-9294.	2.2	27
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139	Prebiotic Synthesis and Isomerization in Interstellar Analog Ice: Glycinal, Acetamide, and Their Enol Tautomers. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	3
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