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List of Publications by Year in descending order

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papers

1,486
citations

257450

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37
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47
all docs

47
docs citations

47
times ranked

1765
citing authors

#	ARTICLE	IF	CITATIONS
1	The Search for Chiral Asymmetry as a Potential Biosignature in our Solar System. <i>Chemical Reviews</i> , 2020, 120, 4660-4689.	47.7	156
2	Meteoritic Amino Acids: Diversity in Compositions Reflects Parent Body Histories. <i>ACS Central Science</i> , 2016, 2, 370-379.	11.3	126
3	Synthesis, Cytotoxicity, and Anti- <i>Trypanosoma cruzi</i> Activity of New Chalcones. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 6230-6234.	6.4	110
4	The Origin and Evolution of Organic Matter in Carbonaceous Chondrites and Links to Their Parent Bodies. , 2018, , 205-271.		60
5	In vitro and in vivo anti-Leishmania activity of polysubstituted synthetic chalcones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 100-103.	2.2	59
6	Aegicerin, the First Oleanane Triterpene with Wide-Ranging Antimycobacterial Activity, Isolated from <i>Clavijaprocera</i> . <i>Journal of Natural Products</i> , 2006, 69, 845-846.	3.0	50
7	OSIRIS-REx Contamination Control Strategy and Implementation. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	50
8	Pathways to Meteoritic Glycine and Methylamine. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 3-13.	2.7	46
9	Assessing the origins of aliphatic amines in the Murchison meteorite from their compound-specific carbon isotopic ratios and enantiomeric composition. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 331-345.	3.9	45
10	Extraterrestrial amino acids and L&enantiomeric excesses in the <sc>CM</sc>2 carbonaceous chondrites Aguas Zarcas and Murchison. <i>Meteoritics and Planetary Science</i> , 2021, 56, 148-173.	1.6	42
11	Effects of secondary alteration on the composition of free and IOM-derived monocarboxylic acids in carbonaceous chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2309-2323.	3.9	41
12	Separation of unsaturated organic compounds using silver-thiolate chromatographic material. <i>Journal of Chromatography A</i> , 2012, 1240, 83-89.	3.7	41
13	Abundant extraterrestrial amino acids in the primitive CM carbonaceous chondrite Asuka 12236. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1979-2006.	1.6	38
14	Purification of omega-3 polyunsaturated fatty acids from fish oil using silver-thiolate chromatographic material and high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2013, 1312, 18-25.	3.7	37
15	Hydrothermal Decomposition of Amino Acids and Origins of Prebiotic Meteoritic Organic Compounds. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 588-598.	2.7	37
16	Trypanoside, anti-tuberculosis, leishmanicidal, and cytotoxic activities of tetrahydrobenzothienopyrimidines. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2880-2886.	3.0	36
17	Isolation of Cytotoxic Metabolites from Targeted Peruvian Amazonian Medicinal Plants. <i>Journal of Natural Products</i> , 2008, 71, 102-105.	3.0	31
18	Methodologies for Analyzing Soluble Organic Compounds in Extraterrestrial Samples: Amino Acids, Amines, Monocarboxylic Acids, Aldehydes, and Ketones. <i>Life</i> , 2019, 9, 47.	2.4	31

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19	Indigenous aliphatic amines in the aqueously altered Orgueil meteorite. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1733-1749.	1.6	30
20	Analyses of Aliphatic Aldehydes and Ketones in Carbonaceous Chondrites. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 463-472.	2.7	30
21	Aliphatic amines in Antarctic CR2, CM2, and CM1/2 carbonaceous chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 296-311.	3.9	29
22	Thin layer chromatography in the separation of unsaturated organic compounds using silver-thiolate chromatographic material. <i>Journal of Chromatography A</i> , 2012, 1251, 240-243.	3.7	28
23	Chirality of meteoritic free and IOM-derived monocarboxylic acids and implications for prebiotic organic synthesis. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 131, 1-12.	3.9	26
24	TBAF-Mediated Aldol Reaction of $\hat{1}^2$ -Allenoates: Regio- and Stereoselective Synthesis of (2 <i>E</i> ,4 <i>E</i>)-4-Carbinol Alkadienoates. <i>Journal of Organic Chemistry</i> , 2009, 74, 4623-4625.	3.2	25
25	Impact of Phyllosilicates on Amino Acid Formation under Asteroidal Conditions. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1398-1407.	2.7	25
26	Analysis of amino acids, hydroxy acids, and amines in CR chondrites. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2422-2439.	1.6	25
27	Cytotoxic and Anti-infective Sesquiterpenes Present in <i>Plagiochila disticha</i> (Plagiochilaceae) and <i>Ambrosia peruviana</i> (Asteraceae). <i>Planta Medica</i> , 2010, 76, 705-707.	1.3	24
28	Compound-specific carbon isotope compositions of aldehydes and ketones in the Murchison meteorite. <i>Meteoritics and Planetary Science</i> , 2019, 54, 142-156.	1.6	24
29	Efficient liquid chromatographic analysis of mono-, di-, and triglycerols using silver thiolate stationary phase. <i>Journal of Chromatography A</i> , 2012, 1240, 90-95.	3.7	21
30	Hydrogen and carbon isotopic ratios of polycyclic aromatic compounds in two CM2 carbonaceous chondrites and implications for prebiotic organic synthesis. <i>Earth and Planetary Science Letters</i> , 2015, 426, 101-108.	4.4	19
31	New insights into the heterogeneity of the Tagish Lake meteorite: Soluble organic compositions of variously altered specimens. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1283-1302.	1.6	16
32	Carbon isotope evidence for the substrates and mechanisms of prebiotic synthesis in the early solar system. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 292, 188-202.	3.9	16
33	Anti-Infective and Cytotoxic Compounds Present in <i>Blepharodon nitidum</i> . <i>Planta Medica</i> , 2008, 74, 407-410.	1.3	15
34	Molecular distribution, ^{13}C isotope, and enantiomeric compositions of carbonaceous chondrite monocarboxylic acids. <i>Meteoritics and Planetary Science</i> , 2019, 54, 415-430.	1.6	15
35	The unique liquid chromatographic properties of Group 11 transition metals for the separation of unsaturated organic compounds. <i>Journal of Separation Science</i> , 2013, 36, 2563-2570.	2.5	14
36	Cytotoxic and Anti-infective Phenolic Compounds Isolated from <i>Mikania decora</i> and <i>Crematosperma microcarpum</i> . <i>Planta Medica</i> , 2011, 77, 1597-1599.	1.3	13

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37	A Multipronged Approach to the Study of Peruvian Ethnomedicinal Plants: A Legacy of the ICBG-Peru Project. <i>Journal of Natural Products</i> , 2009, 72, 524-526.	3.0	12
38	Extraterrestrial organic compounds and cyanide in the CM2 carbonaceous chondrites Aguas Zarcas and Murchison. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1509-1524.	1.6	11
39	Distribution of aliphatic amines in <scp>CO</scp>, <scp>CV</scp>, and <scp>CK</scp> carbonaceous chondrites and relation to mineralogy and processing history. <i>Meteoritics and Planetary Science</i> , 2017, 52, 2632-2646.	1.6	10
40	Amino acid abundances and compositions in iron and stony-iron meteorites. <i>Meteoritics and Planetary Science</i> , 2021, 56, 586-600.	1.6	10
41	Plagiochiline A Inhibits Cytokinetic Abscission and Induces Cell Death. <i>Molecules</i> , 2018, 23, 1418.	3.8	4
42	Extraterrestrial hydroxy amino acids in CM and CR carbonaceous chondrites. <i>Meteoritics and Planetary Science</i> , 2021, 56, 1005-1023.	1.6	4
43	A Closer Look at Non-random Patterns Within Chemistry Space for a Smaller, Earlier Amino Acid Alphabet. <i>Journal of Molecular Evolution</i> , 2022, 90, 307-323.	1.8	2
44	Low total abundances and a predominance of n-acyl amino acids in enstatite chondrites: Implications for thermal stability of amino acids in the inner solar system. <i>Meteoritics and Planetary Science</i> , 2021, 56, 2118.	1.6	1
45	Experimental and Theoretical Constraints on Amino Acid Formation from PAHs in Asteroidal Settings. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 468-481.	2.7	1