

# Jose C Aponte

## List of Publications by Year in descending order

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45  
papers

1,486  
citations

257450

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330143

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47  
all docs

47  
docs citations

47  
times ranked

1765  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and Theoretical Constraints on Amino Acid Formation from PAHs in Asteroidal Settings. ACS Earth and Space Chemistry, 2022, 6, 468-481.	2.7	1
2	A Closer Look at Non-random Patterns Within Chemistry Space for a Smaller, Earlier Amino Acid Alphabet. Journal of Molecular Evolution, 2022, 90, 307-323.	1.8	2
3	Extraterrestrial amino acids and Lâ€enantiomeric excesses in the <sc>CM</sc> <sup>2</sup> carbonaceous chondrites Aguas Zarcas and Murchison. Meteoritics and Planetary Science, 2021, 56, 148-173.	1.6	42
4	Carbon isotope evidence for the substrates and mechanisms of prebiotic synthesis in the early solar system. Geochimica Et Cosmochimica Acta, 2021, 292, 188-202.	3.9	16
5	Amino acid abundances and compositions in iron and stonyâ€iron meteorites. Meteoritics and Planetary Science, 2021, 56, 586-600.	1.6	10
6	Extraterrestrial hydroxy amino acids in CM and CR carbonaceous chondrites. Meteoritics and Planetary Science, 2021, 56, 1005-1023.	1.6	4
7	Low total abundances and a predominance of nâ€ amino acids in enstatite chondrites: Implications for thermal stability of amino acids in the inner solar system. Meteoritics and Planetary Science, 2021, 56, 2118.	1.6	1
8	The Search for Chiral Asymmetry as a Potential Biosignature in our Solar System. Chemical Reviews, 2020, 120, 4660-4689.	47.7	156
9	Impact of Phyllosilicates on Amino Acid Formation under Asteroidal Conditions. ACS Earth and Space Chemistry, 2020, 4, 1398-1407.	2.7	25
10	Abundant extraterrestrial amino acids in the primitive CM carbonaceous chondrite Asuka 12236. Meteoritics and Planetary Science, 2020, 55, 1979-2006.	1.6	38
11	Extraterrestrial organic compounds and cyanide in the CM2 carbonaceous chondrites Aguas Zarcas and Murchison. Meteoritics and Planetary Science, 2020, 55, 1509-1524.	1.6	11
12	Analysis of amino acids, hydroxy acids, and amines in CR chondrites. Meteoritics and Planetary Science, 2020, 55, 2422-2439.	1.6	25
13	Methodologies for Analyzing Soluble Organic Compounds in Extraterrestrial Samples: Amino Acids, Amines, Monocarboxylic Acids, Aldehydes, and Ketones. Life, 2019, 9, 47.	2.4	31
14	New insights into the heterogeneity of the Tagish Lake meteorite: Soluble organic compositions of variously altered specimens. Meteoritics and Planetary Science, 2019, 54, 1283-1302.	1.6	16
15	Analyses of Aliphatic Aldehydes and Ketones in Carbonaceous Chondrites. ACS Earth and Space Chemistry, 2019, 3, 463-472.	2.7	30
16	Molecular distribution, <sup>13</sup>Câ€ isotope, and enantiomeric compositions of carbonaceous chondrite monocarboxylic acids. Meteoritics and Planetary Science, 2019, 54, 415-430.	1.6	15
17	Compoundâ€specific carbon isotope compositions of aldehydes and ketones in the Murchison meteorite. Meteoritics and Planetary Science, 2019, 54, 142-156.	1.6	24
18	Hydrothermal Decomposition of Amino Acids and Origins of Prebiotic Meteoritic Organic Compounds. ACS Earth and Space Chemistry, 2018, 2, 588-598.	2.7	37

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19	OSIRIS-REx Contamination Control Strategy and Implementation. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	50
20	Plagiochiline A Inhibits Cytokinetic Abscission and Induces Cell Death. <i>Molecules</i> , 2018, 23, 1418.	3.8	4
21	The Origin and Evolution of Organic Matter in Carbonaceous Chondrites and Links to Their Parent Bodies. , 2018, , 205-271.		60
22	Pathways to Meteoritic Glycine and Methylamine. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 3-13.	2.7	46
23	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
24	Aliphatic amines in Antarctic CR2, CM2, and CM1/2 carbonaceous chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 296-311.	3.9	29
25	Meteoritic Amino Acids: Diversity in Compositions Reflects Parent Body Histories. <i>ACS Central Science</i> , 2016, 2, 370-379.	11.3	126
26	Indigenous aliphatic amines in the aqueously altered Orgueil meteorite. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1733-1749.	1.6	30
27	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
28	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
29	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
30	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
31	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
32	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
33	Separation of unsaturated organic compounds using silver-thiolate chromatographic material. <i>Journal of Chromatography A</i> , 2012, 1240, 83-89.	3.7	41
34	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
35	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
36	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

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37	Trypanoside, anti-tuberculosis, leishmanicidal, and cytotoxic activities of tetrahydrobenzothienopyrimidines. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2880-2886.	3.0	36
38	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
39	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
40	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
41	TBAF-Mediated Aldol Reaction of $\hat{1}^2$ -Allenolates: 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
42	Isolation of Cytotoxic Metabolites from Targeted Peruvian Amazonian Medicinal Plants. <i>Journal of Natural Products</i> , 2008, 71, 102-105.	3.0	31
43	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
44	Anti-Infective and Cytotoxic Compounds Present in <i>Blepharodon nitidum</i> . <i>Planta Medica</i> , 2008, 74, 407-410.	1.3	15
45	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