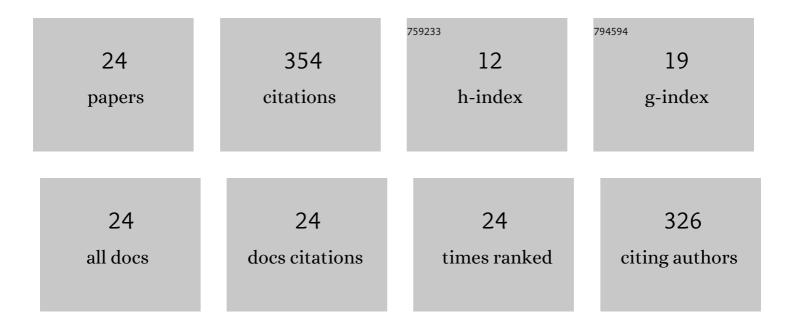
Rafael Martinez

List of Publications by Year in descending order

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RAFAFI MADTINEZ

#	Article	IF	CITATIONS
1	Space weathering on inner planetary surface analogues induced by swift multicharged heavy ion bombardment. Icarus, 2022, 375, 114830.	2.5	1
2	Energetic ion irradiation of N2O ices relevant for Solar system surfaces. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1423-1432.	4.4	4
3	Ion radiation in icy space environments: Synthesis and radioresistance of complex organic molecules. Low Temperature Physics, 2019, 45, 590-597.	0.6	8
4	Production of Hydronium Ion (H ₃ O) ⁺ and Protonated Water Clusters (H ₂ O) _{<i>n</i>} H ⁺ after Energetic Ion Bombardment of Water Ice in Astrophysical Environments. Journal of Physical Chemistry A, 2019, 123, 8001-8008.	2.5	11
5	Formation of carbon-based nanotubular structures by in situ electron irradiation. Nuclear Instruments & Methods in Physics Research B, 2019, 451, 18-23.	1.4	2
6	Sputtering of sodium and potassium from nepheline: Secondary ion yields and velocity spectra. Nuclear Instruments & Methods in Physics Research B, 2017, 406, 523-528.	1.4	7
7	Radioresistance of Adenine to Cosmic Rays. Astrobiology, 2017, 17, 298-308.	3.0	13
8	Irradiation of nitrogen-rich ices by swift heavy ions. Astronomy and Astrophysics, 2016, 592, A99.	5.1	20
9	Electronic sputtering of thin lithium fluoride films induced by swift heavy ions. Materials Research Express, 2015, 2, 076403.	1.6	8
10	Radiolysis and sputtering of carbon dioxide ice induced by swift Ti, Ni, and Xe ions. Nuclear Instruments & Methods in Physics Research B, 2015, 365, 477-481.	1.4	27
11	Production of NH4+ and OCNâ^' ions by the interaction of heavy-ion cosmic rays with CO–NH3 interstellar ice. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3317-3327.	4.4	14
12	Secondary ion emission dynamics of solid ammonia bombarded by heavy ions. European Physical Journal D, 2012, 66, 1.	1.3	4
13	Frozen methanol bombarded by energetic particles: Relevance to solid state astrochemistry. Surface Science, 2009, 603, 1190-1196.	1.9	21
14	Cluster emission and chemical reactions in oxygen and nitrogen ices induced by fast heavyâ€ion impact. Journal of Mass Spectrometry, 2008, 43, 1521-1530.	1.6	15
15	Astrophysical Icy Surface Simulation under Energetic Particles and Radiation Field in Formic Acid. Journal of Physical Chemistry C, 2008, 112, 11954-11961.	3.1	26
16	Characterization of (NH ₃) <i>_n</i> ₌₁ ₋ ₆ NH ⁺ Clusters Produced by ²⁵² Cf Fragments Impact onto a NH ₃ Condensed Target. Journal of Physical Chemistry A, 2007, 111, 8302-8307.	2.5	8
17	Fragmentation of (LiF) _{<i>n</i>} Li ⁺ clusters in the acceleration region of TOF spectrometers. Journal of Mass Spectrometry, 2007, 42, 1300-1309.	1.6	11
18	Secondary ion emission induced by fission fragment impact in CONH3 and CONH3H2O ices: modification in the CONH3 ice structure. Journal of Mass Spectrometry, 2007, 42, 1333-1341.	1.6	5

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#	Article	IF	CITATIONS
19	Plasma Desorption Mass Spectrometry analysis of HCOOH ice. Journal of Electron Spectroscopy and Related Phenomena, 2007, 155, 124-128.	1.7	17
20	Hybrid molecular ions emitted from CO–NH3 ice bombarded by fission fragments. International Journal of Mass Spectrometry, 2007, 262, 195-202.	1.5	9
21	Ion cluster desorption from frozen NH3 induced by impact of fast multi-charged ions. International Journal of Mass Spectrometry, 2006, 253, 112-121.	1.5	30
22	Electronic sputtering produced by fission fragments on condensed CO and CO2. Journal of the American Society for Mass Spectrometry, 2006, 17, 1120-1128.	2.8	25
23	Secondary ion emission from condensed CO bombarded by fission fragments. International Journal of Mass Spectrometry, 2006, 251, 1-9.	1.5	31
24	Electronic Sputtering Analysis of Astrophysical Ices. Earth, Moon and Planets, 2005, 97, 311-329.	0.6	37