

# Donia Baklouti

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3714588/publications.pdf>

Version: 2024-02-01

18  
papers

630  
citations

1040056

9  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1075  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon-rich dust in comet 67P/Churyumov-Gerasimenko measured by COSIMA/Rosetta. Monthly Notices of the Royal Astronomical Society, 2017, 469, S712-S722.	4.4	177
2	Comet 67P/Churyumov-Gerasimenko sheds dust coat accumulated over the past four years. Nature, 2015, 518, 216-218.	27.8	144
3	High-molecular-weight organic matter in the particles of comet 67P/Churyumov-Gerasimenko. Nature, 2016, 538, 72-74.	27.8	124
4	Nitrogen-to-carbon atomic ratio measured by COSIMA in the particles of comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S506-S516.	4.4	49
5	Variations in cometary dust composition from Giotto to Rosetta, clues to their formation mechanisms. Monthly Notices of the Royal Astronomical Society, 2016, 462, S323-S330.	4.4	28
6	S <sub>2</sub> O, polysulfuroxide and sulfur polymer on Io's surface?. Icarus, 2008, 194, 647-659.	2.5	20
7	Mechanical and electrostatic experiments with dust particles collected in the inner coma of comet 67P by COSIMA onboard Rosetta. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160255.	3.4	19
8	COSIMA-Rosetta calibration for in situ characterization of 67P/Churyumov-Gerasimenko cometary inorganic compounds. Planetary and Space Science, 2015, 117, 35-44.	1.7	15
9	Space Weathering Affects the Remote Near-IR Identification of Phyllosilicates. Planetary Science Journal, 2020, 1, 61.	3.6	11
10	A Mineralogical Context for the Organic Matter in the Paris Meteorite Determined by A Multi-Technique Analysis. Life, 2019, 9, 44.	2.4	10
11	Near-infrared Methanol Bands Probe Energetic Processing of Icy Outer Solar System Objects. Astrophysical Journal Letters, 2020, 894, L3.	8.3	8
12	Combining IR and X-ray microtomography data sets: Application to Itokawa particles and to Paris meteorite. Meteoritics and Planetary Science, 2020, 55, 1645-1664.	1.6	8
13	Hydrogen isotopic fractionation in secondary ion mass spectrometry using polyatomic ions. International Journal of Mass Spectrometry, 2015, 393, 17-24.	1.5	4
14	A radiolytic origin of organic matter in primitive chondrites and trans-neptunian objects? New clues from ion irradiation experiments. Icarus, 2021, 364, 114462.	2.5	4
15	Multiscale correlated analysis of the Aguas Zarcas CM chondrite. Meteoritics and Planetary Science, 2022, 57, 965-988.	1.6	4
16	Geometry induced bias in the remote near-IR identification of phyllosilicates on space weathered bodies. Icarus, 2022, 376, 114887.	2.5	3
17	Electrical properties of cometary dust particles derived from line shapes of TOF-SIMS spectra measured by the ROSETTA/COSIMA instrument. Planetary and Space Science, 2020, 182, 104758.	1.7	2
18	Composition of cometary particles collected during two periods of the Rosetta mission: multivariate evaluation of mass spectral data. Journal of Chemometrics, 2020, 34, e3218.	1.3	0