

Abundant molecular oxygen in the coma of comet 67P/C

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Citation Report

#	ARTICLE	IF	CITATIONS
1	DIVISION F COMMISSION 15: PHYSICAL STUDY OF COMETS AND MINOR PLANETS. Proceedings of the International Astronomical Union, 2015, 11, 316-339.	0.0	1
3	MOLECULAR OXYGEN IN OORT CLOUD COMET 1P/HALLEY. <i>Astrophysical Journal Letters</i> , 2015, 815, L11.	3.0	55
4	Rosetta sniffs oxygen around comet 67P. <i>Nature</i> , 2015, , .	13.7	0
5	Setting the volatile composition of (exo)planet-building material. <i>Astronomy and Astrophysics</i> , 2016, 595, A83.	2.1	123
6	A primordial origin for molecular oxygen in comets: a chemical kinetics study of the formation and survival of O ₂ ice from clouds to discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S99-S115.	1.6	70
7	WHAT IS EATING OZONE? THERMAL REACTIONS BETWEEN SO ₂ AND O ₃ : IMPLICATIONS FOR ICY ENVIRONMENTS. <i>Astrophysical Journal Letters</i> , 2016, 833, L9.	3.0	11
8	THE NATURE AND FREQUENCY OF THE GAS OUTBURSTS IN COMET 67P/CHURYUMOVâ€“GERASIMENKO OBSERVED BY THE ALICE FAR-ULTRAVIOLET SPECTROGRAPH ON ROSETTA. <i>Astrophysical Journal Letters</i> , 2016, 825, L8.	3.0	31
9	Variations in cometary dust composition from <i>Giotto</i> to <i>Rosetta</i> , clues to their formation mechanisms. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S323-S330.	1.6	28
10	Discrete sources of cryovolcanism on the nucleus of Comet 29P/Schwassmannâ€“Wachmann and their origin. <i>Icarus</i> , 2016, 272, 387-413.	1.1	30
11	Observation of stable HO ₄ ⁺ and DO ₄ ⁺ ions from ionâ€“molecule reactions in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13169-13172.	1.3	5
12	Direct Simulation Monte Carlo modelling of the major species in the coma of comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S156-S169.	1.6	87
13	2D photochemical model for forbidden oxygen line emission for comet 1P/Halley. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S116-S123.	1.6	1
14	Observations of high-plasma density region in the inner coma of 67P/Churyumovâ€“Gerasimenko during early activity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S33-S44.	1.6	11
15	Sulphur-bearing species in the coma of comet 67P/Churyumovâ€“Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S253-S273.	1.6	137
16	Ionospheric plasma of comet 67P probed by <i>Rosetta</i> at 3Âau from the Sun. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S331-S351.	1.6	75
17	Unexpected and significant findings in comet 67P/Churyumovâ€“Gerasimenko: an interdisciplinary view. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S2-S8.	1.6	53
18	NITROGEN ISOTOPIC RATIO OF COMETARY AMMONIA FROM HIGH-RESOLUTION OPTICAL SPECTROSCOPIC OBSERVATIONS OF C/2014 Q2 (LOVEJOY). <i>Astronomical Journal</i> , 2016, 152, 145.	1.9	7
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25	PLANET TOPERS: Planets, Tracing the Transfer, Origin, Preservation, and Evolution of their ReservoirS. Origins of Life and Evolution of Biospheres, 2016, 46, 369-384.	0.8	2
26	ORIGIN OF MOLECULAR OXYGEN IN COMET 67P/CHURYUMOVâ€™GERASIMENKO. Astrophysical Journal Letters, 2016, 823, L41.	3.0	58
27	Photochemistry of forbidden oxygen lines in the inner coma of 67P/Churyumovâ€™Gerasimenko. Journal of Geophysical Research: Space Physics, 2016, 121, 804-816.	0.8	10
28	HIGH-TIME RESOLUTION IN SITU INVESTIGATION OF MAJOR COMETARY VOLATILES AROUND 67P/Câ€™G AT 3.1â€™2.3 au MEASURED WITH ROSINA-RTOF. Astrophysical Journal, 2016, 819, 126.	1.6	29
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32	Weakly bound molecular complexes in the laboratory and in the interstellar medium: A lost interest?. Molecular Astrophysics, 2017, 6, 16-21.	1.7	16
33	Sensitivity and fragmentation calibration of the time-of-flight mass spectrometer RTOF on board ESA's Rosetta mission. Planetary and Space Science, 2017, 135, 64-73.	0.9	22
34	Production of O ₂ through dismutation of H ₂ O ₂ during water ice desorption: a key to understanding comet O ₂ abundances. Astronomy and Astrophysics, 2017, 597, A56.	2.1	34
35	IMAGING OBSERVATIONS OF THE HYDROGEN COMA OF COMET 67P/CHURYUMOVâ€™GERASIMENKO IN 2015 SEPTEMBER BY THE PROCYON/LAICA. Astronomical Journal, 2017, 153, 76.	1.9	21
36	Formation of bi-lobed shapes by sub-catastrophic collisions. Astronomy and Astrophysics, 2017, 597, A62.	2.1	72
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46	The Rosetta mission orbiter science overview: the comet phase. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160262.	1.6	74
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48	Stability of the magnetosonic wave in a cometary multi-ion plasma. <i>Advances in Space Research</i> , 2017, 59, 2679-2688.	1.2	4
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51	Isotopic composition of CO ₂ in the coma of 67P/Churyumov-Gerasimenko measured with ROSINA/DFMS. <i>Astronomy and Astrophysics</i> , 2017, 605, A50.	2.1	35
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53	Diffuse interstellar bands carriers and cometary organic material – <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S646-S660.	1.6	8
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55	Formation of Hydroxylamine in Low-Temperature Interstellar Model Ices. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7477-7493.	1.1	24

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75	Modelling the molecular composition and nuclear-spin chemistry of collapsing pre-stellar sources... Monthly Notices of the Royal Astronomical Society, 2018, 477, 4454-4472.	1.6	25
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78	The ALMA-PILS survey: the sulphur connection between protostars and comets: IRAS 16293-2422 B and 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4949-4964.	1.6	74
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