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List of Publications by Year in descending order

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29
papers

565
citations

516710

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642732

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30
times ranked

540
citing authors

#	ARTICLE	IF	CITATIONS
1	The Peculiar Volatile Composition of CO-dominated Comet C/2016 R2 (PanSTARRS). <i>Astronomical Journal</i> , 2019, 158, 128.	4.7	55
2	Strong CO ⁺ and Emission in Comet C/2016 R2 (Pan-STARRS) [*] . <i>Astrophysical Journal Letters</i> , 2018, 854, L10.	8.3	38
3	Evolution of H ₂ O, CO, and CO ₂ production in Comet C/2009 P1 Garradd during the 2011–2012 apparition. <i>Icarus</i> , 2015, 250, 504-515.	2.5	37
4	Hypervolatiles in a Jupiter-family Comet: Observations of 45P/Honda–Mrkos–Pajduřkov–i Using iSHELL at the NASA-IRTF. <i>Astronomical Journal</i> , 2017, 154, 246.	4.7	34
5	Parent volatiles in Comet 103P/Hartley 2 observed by Keck II with NIRSPEC during the 2010 apparition. <i>Icarus</i> , 2013, 222, 723-733.	2.5	33
6	Forbidden oxygen lines in Comets C/2006 W3 Christensen and C/2007 Q3 Siding Spring at large heliocentric distance: Implications for the sublimation of volatile ices. <i>Icarus</i> , 2012, 220, 277-285.	2.5	31
7	Detection of a Water Tracer in Interstellar Comet 2I/Borisov. <i>Astrophysical Journal Letters</i> , 2020, 889, L10.	8.3	31
8	A Tale of Two Comets: The Primary Volatile Composition of Comet 2P/Encke Across Apparitions and Implications for Cometary Science. <i>Astronomical Journal</i> , 2018, 156, 251.	4.7	27
9	Observations of the forbidden oxygen lines in DIXI target Comet 103P/Hartley. <i>Icarus</i> , 2013, 222, 684-690.	2.5	24
10	Probing the Evolutionary History of Comets: An Investigation of the Hypervolatiles CO, CH ₄ , and C ₂ H ₆ in the Jupiter-family Comet 21P/Giacobini–Zinner. <i>Astronomical Journal</i> , 2020, 159, 42.	4.7	23
11	First Comet Observations with NIRSPEC-2 at Keck: Outgassing Sources of Parent Volatiles and Abundances Based on Alternative Taxonomic Compositional Baselines in 46P/Wirtanen. <i>Planetary Science Journal</i> , 2021, 2, 45.	3.6	22
12	The CO ₂ abundance in Comets C/2012 K1 (PanSTARRS), C/2012 K5 (LINEAR), and 290P/Jäger as measured with Spitzer. <i>Icarus</i> , 2016, 266, 249-260.	2.5	19
13	EXTREMELY ORGANIC-RICH COMA OF COMET C/2010 G2 (HILL) DURING ITS OUTBURST IN 2012. <i>Astrophysical Journal</i> , 2014, 788, 110.	4.5	18
14	A high-resolution infrared spectral survey of 103P/Hartley 2 on the night of the EPOXI closest approach. <i>Icarus</i> , 2013, 222, 707-722.	2.5	17
15	Post-perihelion volatile production and release from Jupiter-family comet 45P/Honda-Mrkos-Pajduřkov–i. <i>Icarus</i> , 2020, 335, 113411.	2.5	17
16	Carbonyl Sulfide (OCS): Detections in Comets C/2002 T7 (LINEAR), C/2015 ER61 (PanSTARRS), and 21P/Giacobini–Zinner and Stringent Upper Limits in 46P/Wirtanen. <i>Astronomical Journal</i> , 2020, 160, 184.	4.7	17
17	Observational constraints on water sublimation from 24 Themis and 1 Ceres. <i>Icarus</i> , 2017, 286, 308-313.	2.5	16
18	Rotational variation of daughter species production rates in Comet 103P/Hartley: Implications for the progeny of daughter species and the degree of chemical heterogeneity. <i>Icarus</i> , 2014, 231, 193-205.	2.5	15

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19	Quantifying the Hypervolatile Abundances in Jupiter-family Comet 46P/Wirtanen. <i>Planetary Science Journal</i> , 2021, 2, 21.	3.6	11
20	Evolution of H ₂ O production in comet C/2012 S1 (ISON) as inferred from forbidden oxygen and OH emission. <i>Icarus</i> , 2018, 309, 1-12.	2.5	10
21	Testing Short-term Variability and Sampling of Primary Volatiles in Comet 46P/Wirtanen. <i>Planetary Science Journal</i> , 2021, 2, 20.	3.6	10
22	The Volatile Carbon-to-oxygen Ratio as a Tracer for the Formation Locations of Interstellar Comets. <i>Planetary Science Journal</i> , 2022, 3, 150.	3.6	10
23	Spitzer's Solar System studies of comets, centaurs and Kuiper belt objects. <i>Nature Astronomy</i> , 2020, 4, 930-939.	10.1	9
24	Organic Matter in Cometary Environments. <i>Life</i> , 2021, 11, 37.	2.4	9
25	Chemical Composition of Outbursting Comet C/2015 ER61 (PanSTARRS). <i>Astronomical Journal</i> , 2021, 162, 145.	4.7	7
26	The Volatile Composition of the Inner Coma of Comet 46P/Wirtanen: Coordinated Observations Using iSHELL at the NASA-IRTF and Keck/NIRSPEC-2. <i>Planetary Science Journal</i> , 2021, 2, 54.	3.6	6
27	What Does It Mean to be a "Depleted" Comet? High Spectral Resolution Observations of the Prototypical Depleted Comet 21P/Giacobini-Zinner from the McDonald Observatory. <i>Planetary Science Journal</i> , 2020, 1, 71.	3.6	4
28	Volatile Abundances, Extended Coma Sources, and Nucleus Ice Associations in Comet C/2014 Q2 (Lovejoy). <i>Planetary Science Journal</i> , 2022, 3, 6.	3.6	4
29	Volatile Composition and Outgassing in C/2018 Y1 (Iwamoto): Extending Limits for High-resolution Infrared Cometary Spectroscopy between 2.8 and 5.0 μ m. <i>Planetary Science Journal</i> , 2021, 2, 225.	3.6	3