

# Michael R Combi

## List of Publications by Citations

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214  
papers

8,449  
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49  
h-index

81  
g-index

225  
ext. papers

9,394  
ext. citations

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5.5  
L-index

#	Paper	IF	Citations
214	Cassini ion and neutral mass spectrometer: Enceladus plume composition and structure. <i>Science</i> , <b>2006</b> , 311, 1419-22	33.3	497
213	Cometary science. 67P/Churyumov-Gerasimenko, a Jupiter family comet with a high D/H ratio. <i>Science</i> , <b>2015</b> , 347, 1261952	33.3	314
212	Prebiotic chemicals-amino acid and phosphorus-in the coma of comet 67P/Churyumov-Gerasimenko. <i>Science Advances</i> , <b>2016</b> , 2, e1600285	14.3	282
211	Cometary science. The organic-rich surface of comet 67P/Churyumov-Gerasimenko as seen by VIRTIS/Rosetta. <i>Science</i> , <b>2015</b> , 347, aaa0628	33.3	251
210	Inventory of the volatiles on comet 67P/Churyumov-Gerasimenko from Rosetta/ROSINA. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 583, A1	5.1	213
209	Abundant molecular oxygen in the coma of comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , <b>2015</b> , 526, 678-81	50.4	208
208	Cometary science. Time variability and heterogeneity in the coma of 67P/Churyumov-Gerasimenko. <i>Science</i> , <b>2015</b> , 347, aaa0276	33.3	197
207	Molecular nitrogen in comet 67P/Churyumov-Gerasimenko indicates a low formation temperature. <i>Science</i> , <b>2015</b> , 348, 232-5	33.3	168
206	Virtis: An Imaging Spectrometer for the Rosetta Mission. <i>Space Science Reviews</i> , <b>2007</b> , 128, 529-559	7.5	146
205	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. <i>Icarus</i> , <b>2018</b> , 315, 146-157	3.8	136
204	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , <b>2015</b> , 350, aad0210	33.3	131
203	The diurnal cycle of water ice on comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , <b>2015</b> , 525, 500-3	50.4	120
202	Evidence for interacting gas flows and an extended volatile source distribution in the coma of comet C/1996 B2 (Hyakutake). <i>Science</i> , <b>1997</b> , 277, 676-81	33.3	120
201	Modeling of cometary X-rays caused by solar wind minor ions. <i>Science</i> , <b>1997</b> , 276, 939-42	33.3	119
200	Xenon isotopes in 67P/Churyumov-Gerasimenko show that comets contributed to Earth's atmosphere. <i>Science</i> , <b>2017</b> , 356, 1069-1072	33.3	110
199	A Global Kinetic Model for Cometary Comae: The Evolution of the Coma of the Rosetta Target Comet Churyumov-Gerasimenko throughout the Mission. <i>Astrophysical Journal</i> , <b>2008</b> , 685, 659-677	4.7	97
198	The surface composition and temperature of asteroid 21 Lutetia as observed by Rosetta/VIRTIS. <i>Science</i> , <b>2011</b> , 334, 492-4	33.3	95

197	Exospheres and Atmospheric Escape. <i>Space Science Reviews</i> , <b>2008</b> , 139, 355-397	7.5	94
196	Characterizing Atmospheric Escape from Mars Today and Through Time, with MAVEN. <i>Space Science Reviews</i> , <b>2015</b> , 195, 357-422	7.5	88
195	The Plasma Environment of Comet 67P/Churyumov-Gerasimenko Throughout the Rosetta Main Mission. <i>Space Science Reviews</i> , <b>2007</b> , 128, 133-166	7.5	86
194	Comparison of 3D kinetic and hydrodynamic models to ROSINA-COPS measurements of the neutral coma of 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 583, A7	5.1	85
193	Neutral cometary atmospheres. I - an average random walk model for photodissociation in comets. <i>Astrophysical Journal</i> , <b>1980</b> , 237, 633	4.7	84
192	EPOXI : COMET 103P/HARTLEY 2 OBSERVATIONS FROM A WORLDWIDE CAMPAIGN. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 734, L1	7.9	83
191	Exposed water ice on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , <b>2016</b> , 529, 368-72	50.4	81
190	Three-dimensional direct simulation Monte-Carlo modeling of the coma of comet 67P/Churyumov-Gerasimenko observed by the VIRTIS and ROSINA instruments on board Rosetta. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 588, A134	5.1	80
189	Time-Dependent Gas Kinetics in Tenuous Planetary Atmospheres: The Cometary Coma. <i>Icarus</i> , <b>1996</b> , 123, 207-226	3.8	79
188	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , <b>2015</b> , 350, aad0459	33.3	77
187	HST and VLT investigations of the fragments of comet C/1999 S4 (LINEAR). <i>Science</i> , <b>2001</b> , 292, 1329-33	33.3	76
186	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> , <b>2016</b> , 462, S156-S169	4.3	75
185	Photochemical escape of oxygen from Mars: First results from MAVEN in situ data. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3815-3836	2.6	74
184	Detection of argon in the coma of comet 67P/Churyumov-Gerasimenko. <i>Science Advances</i> , <b>2015</b> , 1, e1500377	14.7	73
183	First observations of H <sub>2</sub> O and CO <sub>2</sub> vapor in comet 67P/Churyumov-Gerasimenko made by VIRTIS onboard Rosetta. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 583, A6	5.1	72
182	Neutral Upper Atmosphere and Ionosphere Modeling. <i>Space Science Reviews</i> , <b>2008</b> , 139, 107-141	7.5	70
181	A Search for Argon and O [CSC]vi[/CSC] in Three Comets Using the [ITAL]Far Ultraviolet Spectroscopic Explorer[/ITAL]. <i>Astrophysical Journal</i> , <b>2002</b> , 576, L95-L98	4.7	63
180	Monte Carlo particle-trajectory models for neutral cometary gases. I - Models and equations. II - The spatial morphology of the Lyman-alpha coma. <i>Astrophysical Journal</i> , <b>1988</b> , 327, 1026	4.7	62

179	A general model for Io's neutral gas clouds. II - Application to the sodium cloud. <i>Astrophysical Journal</i> , <b>1988</b> , 328, 888	4.7	62
178	Evolution of CO <sub>2</sub> , CH <sub>4</sub> , and OCS abundances relative to H <sub>2</sub> O in the coma of comet 67P around perihelion from Rosetta/VIRTIS-H observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, S170-S183	4.3	61
177	NUMERICAL SIMULATION OF DUST IN A COMETARY COMA: APPLICATION TO COMET 67P/CHURYUMOV-GERASIMENKO. <i>Astrophysical Journal</i> , <b>2011</b> , 732, 104	4.7	60
176	A study of suprathermal oxygen atoms in Mars upper thermosphere and exosphere over the range of limiting conditions. <i>Icarus</i> , <b>2010</b> , 206, 18-27	3.8	59
175	The interaction between the magnetosphere of Saturn and Titan's ionosphere. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 6151-6160		59
174	Io's plasma environment during the Galileo flyby: Global three-dimensional MHD modeling with adaptive mesh refinement. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 9071-9081		58
173	Large-Aperture [O <sub>i</sub> ] 6300 Å Photometry of Comet Hale-Bopp: Implications for the Photochemistry of OH. <i>Astrophysical Journal</i> , <b>2001</b> , 563, 451-461	4.7	57
172	Virtis : an imaging spectrometer for the rosetta mission. <i>Planetary and Space Science</i> , <b>1998</b> , 46, 1291-1304		56
171	Water and carbon dioxide distribution in the 67P/Churyumov-Gerasimenko coma from VIRTIS-M infrared observations. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 589, A45	5.1	56
170	Three-dimensional study of Mars upper thermosphere/ionosphere and hot oxygen corona: 1. General description and results at equinox for solar low conditions. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		54
169	Elemental and molecular abundances in comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 594-607	4.3	53
168	Plasma environment of a weak comet [Predictions for Comet 67P/Churyumov-Gerasimenko from multifluid-MHD and Hybrid models. <i>Icarus</i> , <b>2014</b> , 242, 38-49	3.8	53
167	Three-dimensional study of Mars upper thermosphere/ionosphere and hot oxygen corona: 2. Solar cycle, seasonal variations, and evolution over history. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		53
166	The Spatial Distribution of Gaseous Atomic Sodium in the Comae of Comets: Evidence for Direct Nucleus and Extended Plasma Sources. <i>Icarus</i> , <b>1997</b> , 130, 336-354	3.8	52
165	Dust-Gas Interrelations In Comets: Observations And Theory. <i>Earth, Moon and Planets</i> , <b>1997</b> , 79, 275-306	6.6	49
164	SOHO/SWAN Observations of the Structure and Evolution of the Hydrogen Lyman- $\alpha$ Coma of Comet Hale-Bopp (1995 O1). <i>Icarus</i> , <b>2000</b> , 144, 191-202	3.8	49
163	Investigation into the disparate origin of CO <sub>2</sub> and H <sub>2</sub> O outgassing for Comet 67P. <i>Icarus</i> , <b>2016</b> , 277, 78-97	3.8	49
162	Water production of comet C/1999 S4 (LINEAR) observed with the SWAN instrument. <i>Science</i> , <b>2001</b> , 292, 1326-9	33.3	48

161	The outflow speed of the coma of Halley's comet. <i>Icarus</i> , <b>1989</b> , 81, 41-50	3.8	46
160	A Critical Study of Molecular Photodissociation and CHON Grain Sources for Cometary C2. <i>Astrophysical Journal</i> , <b>1997</b> , 484, 879-890	4.7	45
159	Modeling the heterogeneous ice and gas coma of Comet 103P/Hartley 2. <i>Icarus</i> , <b>2013</b> , 225, 688-702	3.8	44
158	Encounter of the Ulysses Spacecraft with the Ion Tail of Comet McNaught. <i>Astrophysical Journal</i> , <b>2007</b> , 667, 1262-1266	4.7	44
157	Solar wind interaction with the Martian upper atmosphere: Crustal field orientation, solar cycle, and seasonal variations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 7857-7872	2.6	43
156	Seasonal exposure of carbon dioxide ice on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , <b>2016</b> , 354, 1563-1566	33.3	42
155	Sources of cometary radicals and their jets: Gases or grains. <i>Icarus</i> , <b>1987</b> , 71, 178-191	3.8	41
154	Chandra Observations of Comet 2P/Encke 2003: First Detection of a Collisionally Thin, Fast Solar Wind Charge Exchange System. <i>Astrophysical Journal</i> , <b>2005</b> , 635, 1329-1347	4.7	40
153	Monte Carlo Particle Trajectory Models for Neutral Cometary Gases. II. The Spatial Morphology of the Lyman-Alpha Coma. <i>Astrophysical Journal</i> , <b>1988</b> , 327, 1044	4.7	40
152	Gas Dynamics and Kinetics in the Cometary Coma: <b>2004</b> , 523-552		39
151	ROSINA/DFMS and IES observations of 67P: Ion-neutral chemistry in the coma of a weakly outgassing comet. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 583, A2	5.1	38
150	WATER PRODUCTION BY COMET 103P/HARTLEY 2 OBSERVED WITH THE SWAN INSTRUMENT ON THE SOHO SPACECRAFT. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 734, L6	7.9	38
149	NARROW DUST JETS IN A DIFFUSE GAS COMA: A NATURAL PRODUCT OF SMALL ACTIVE REGIONS ON COMETS. <i>Astrophysical Journal</i> , <b>2012</b> , 749, 29	4.7	38
148	Evolution of water production of 67P/Churyumov-Gerasimenko: an empirical model and a multi-instrument study. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , stw2413	4.3	38
147	Spectroscopic Investigations of Fragment Species in the Coma <b>2004</b> , 425-448		37
146	Evidence of ammonium salts in comet 67P as explanation for the nitrogen depletion in cometary comae. <i>Nature Astronomy</i> , <b>2020</b> , 4, 533-540	12.1	36
145	Ion composition and chemistry in the coma of Comet 1P/Halley: A comparison between Giotto's Ion Mass Spectrometer and our ion-chemical network. <i>Icarus</i> , <b>2009</b> , 199, 505-519	3.8	36
144	A Coulomb collision algorithm for weighted particle simulations. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 1735-1738	4.9	36

143	Water production rate of Comet C/2009 P1 (Garradd) throughout the 2011-2012 apparition: Evidence for an icy grain halo. <i>Icarus</i> , <b>2013</b> , 225, 740-748	3.8	35
142	The Main Belt Comets and ice in the Solar System. <i>Astronomy and Astrophysics Review</i> , <b>2017</b> , 25, 1	28.8	35
141	Monte Carlo modeling of neutral gas and dust in the coma of Comet 1P/Halley. <i>Icarus</i> , <b>2011</b> , 213, 655-673	3.8	35
140	Quantitative Analysis of H <sub>2</sub> O+Coma Images Using a Multiscale MHD Model with Detailed Ion Chemistry. <i>Icarus</i> , <b>1997</b> , 130, 373-386	3.8	35
139	Comet P/Halley - Spatial distributions and scale lengths for C <sub>2</sub> , CN, NH <sub>2</sub> , and H <sub>2</sub> O. <i>Astrophysical Journal</i> , <b>1991</b> , 383, 356	4.7	35
138	Halogens as tracers of protosolar nebula material in comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 1336-1345	4.3	34
137	Understanding measured water rotational temperatures and column densities in the very innermost coma of Comet 73P/Schwassmann-Wachmann 3 B. <i>Icarus</i> , <b>2012</b> , 221, 174-185	3.8	34
136	UNUSUAL WATER PRODUCTION ACTIVITY OF COMET C/2012 S1 (ISON): OUTBURSTS AND CONTINUOUS FRAGMENTATION. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 788, L7	7.9	33
135	Water loss and evolution of the upper atmosphere and exosphere over martian history. <i>Icarus</i> , <b>2010</b> , 206, 28-39	3.8	33
134	Io's sodium directional features - Evidence for a magnetospheric-wind-driven gas escape mechanism. <i>Astrophysical Journal</i> , <b>1984</b> , 287, 427	4.7	33
133	Self-consistent multifluid MHD simulations of Europa's exospheric interaction with Jupiter's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 3503-3524	2.6	32
132	Four-fluid MHD simulations of the plasma and neutral gas environment of comet 67P/Churyumov-Gerasimenko near perihelion. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 4247-4268	2.6	32
131	Krypton isotopes and noble gas abundances in the coma of comet 67P/Churyumov-Gerasimenko. <i>Science Advances</i> , <b>2018</b> , 4, eaar6297	14.3	31
130	A comparison of 3-D model predictions of Mars' oxygen corona with early MAVEN IUVS observations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9015-9022	4.9	30
129	O <sub>2</sub> and H <sub>2</sub> O <sup>+</sup> in comet Bennett 1970. II. <i>Astrophysical Journal</i> , <b>1979</b> , 228, 330	4.7	30
128	The Surface Distributions of the Production of the Major Volatile Species, HO, CO, CO and O, from the Nucleus of Comet 67P/Churyumov-Gerasimenko throughout the Rosetta Mission as Measured by the ROSINA Double Focusing Mass Spectrometer. <i>Icarus</i> , <b>2020</b> , 335,	3.8	30
127	HubbleSpaceTelescopeUltraviolet Imaging and High-Resolution Spectroscopy of Water Photodissociation Products in Comet Hyakutake (C/1996 B2). <i>Astrophysical Journal</i> , <b>1998</b> , 494, 816-821	4.7	29
126	Observation and Analysis of High-Resolution Optical Line Profiles in Comet Hyakutake (C/1996 B2). <i>Astrophysical Journal</i> , <b>1999</b> , 512, 961-968	4.7	29

125	Hot oxygen corona at Mars and the photochemical escape of oxygen: Improved description of the thermosphere, ionosphere, and exosphere. <i>Journal of Geophysical Research E: Planets</i> , <b>2015</b> , 120, 1880-1892	4.1	28
124	HIGH-TIME RESOLUTION IN SITU INVESTIGATION OF MAJOR COMETARY VOLATILES AROUND 67P/CHURYUMOV-GERASIMENKO AT 3.1 AU MEASURED WITH ROSINA-RTOF. <i>Astrophysical Journal</i> , <b>2016</b> , 819, 126	4.7	27
123	Kinetic modeling of sodium in the lunar exosphere. <i>Icarus</i> , <b>2013</b> , 226, 1538-1549	3.8	27
122	COMET 1P/HALLEY MULTIFLUID MHD MODEL FOR THE GIOTTO FLY-BY. <i>Astrophysical Journal</i> , <b>2014</b> , 781, 86	4.7	27
121	An approach to numerical simulation of the gas distribution in the atmosphere of Enceladus. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		27
120	Plasma Flow and Related Phenomena in Planetary Aeronomy. <i>Space Science Reviews</i> , <b>2008</b> , 139, 311-353	7.5	27
119	The heterogeneous coma of comet 67P/Churyumov-Gerasimenko as seen by ROSINA: H <sub>2</sub> O, CO <sub>2</sub> , and CO from September 2014 to February 2016. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 600, A77	5.1	26
118	Hot oxygen escape from Mars: Simple scaling with solar EUV irradiance. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 1102-1116	2.6	26
117	Temporal deconvolution of the hydrogen coma: II. Pre- and post-perihelion activity of Comet Hyakutake (1996 B <sub>2</sub> ). <i>Icarus</i> , <b>2005</b> , 177, 228-245	3.8	26
116	The fragmentation of dust in the innermost comae of comets: Possible evidence from ground-based images. <i>Astronomical Journal</i> , <b>1994</b> , 108, 304	4.9	26
115	SOHO/SWAN OBSERVATIONS OF SHORT-PERIOD SPACECRAFT TARGET COMETS. <i>Astronomical Journal</i> , <b>2011</b> , 141, 128	4.9	25
114	Io's Sodium Corona and Spatially Extended Cloud: A Consistent Flux Speed Distribution?. <i>Icarus</i> , <b>1997</b> , 126, 58-77	3.8	24
113	Ion chemistry in the coma of comet 67P near perihelion. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, S67-S77	4.3	24
112	MHD Simulation of Comets: The Plasma Environment of Comet Hale-Bopp. <i>Earth, Moon and Planets</i> , <b>1997</b> , 79, 179-207	0.6	23
111	Deep Impact at Comet Tempel 1. <i>Icarus</i> , <b>2007</b> , 187, 1-3	3.8	23
110	The sodium zenocorona. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 22711		23
109	The water production rate of Rosetta target Comet 67P/Churyumov-Gerasimenko near perihelion in 1996, 2002 and 2009 from Lyman $\alpha$ observations with SWAN/SOHO. <i>Planetary and Space Science</i> , <b>2014</b> , 91, 14-19	2	22
108	A global model of cometary tail disconnection events triggered by solar wind magnetic variations. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		22



107	Temporal deconvolution of the hydrogen coma I. A hybrid model. <i>Icarus</i> , <b>2005</b> , 177, 217-227	3.8	22
106	On Europa's magnetospheric interaction: A MHD simulation of the E4 flyby. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 19983-19992		22
105	A Survey of Water Production in 61 Comets from SOHO/SWAN Observations of Hydrogen Lyman-alpha: Twenty-One Years 1996-2016. <i>Icarus</i> , <b>2019</b> , 317, 610-620	3.8	22
104	Evidence for depletion of heavy silicon isotopes at comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 601, A123	5.1	21
103	Effects of kinetic processes in shaping Io's global plasma environment: A 3D hybrid model. <i>Icarus</i> , <b>2006</b> , 180, 412-427	3.8	21
102	Io's magnetospheric interaction: an MHD model with day-night asymmetry. <i>Planetary and Space Science</i> , <b>2001</b> , 49, 337-344	2	20
101	Neutral cometary atmospheres. II - The production of CN in comets. <i>Astrophysical Journal</i> , <b>1980</b> , 237, 641	4.7	20
100	Pioneer Venus lyman- $\alpha$ observations of comet P/Giacobini-Zinner and the life expectancy of cometary hydrogen. <i>Geophysical Research Letters</i> , <b>1986</b> , 13, 385-388	4.9	19
99	Evidence for distributed gas sources of hydrogen halides in the coma of comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, S695-S711	4.3	18
98	Hot carbon corona in Mars's upper thermosphere and exosphere: 1. Mechanisms and structure of the hot corona for low solar activity at equinox. <i>Journal of Geophysical Research E: Planets</i> , <b>2014</b> , 119, 905-924	4.1	18
97	WATER PRODUCTION IN COMETS 2001 Q4 (NEAT) AND 2002 T7 (LINEAR) DETERMINED FROM SOHO/SWAN OBSERVATIONS. <i>Astronomical Journal</i> , <b>2009</b> , 137, 4734-4743	4.9	18
96	Large Aperture OI 6300 Å Observations of Comet Hyakutake: Implications for the Photochemistry of OH and OI Production in Comet Hale-Bopp. <i>Astrophysical Journal</i> , <b>2007</b> , 657, 1162-1171	4.7	18
95	Neutral cometary atmospheres. III - Acceleration of cometary CN by solar radiation pressure. <i>Astrophysical Journal</i> , <b>1980</b> , 241, 830	4.7	18
94	Neutral cometary atmospheres. V - C2 and CN in comets. <i>Astrophysical Journal</i> , <b>1986</b> , 308, 472	4.7	18
93	The OH distribution in cometary atmospheres - A collisional Monte Carlo model for heavy species. <i>Astrophysical Journal</i> , <b>1993</b> , 408, 668	4.7	18
92	A general model for Io's neutral gas clouds. I - Mathematical description. <i>Astrophysical Journal, Supplement Series</i> , <b>1988</b> , 66, 397	8	18
91	IMAGING OBSERVATIONS OF THE HYDROGEN COMA OF COMET 67P/CHURYUMOV-GERASIMENKO IN 2015 SEPTEMBER BY THE PROCYON/LAICA. <i>Astronomical Journal</i> , <b>2017</b> , 153, 76	4.9	17
90	MASS TRANSPORT AROUND COMETS AND ITS IMPACT ON THE SEASONAL DIFFERENCES IN WATER PRODUCTION RATES. <i>Astrophysical Journal</i> , <b>2014</b> , 788, 168	4.7	17



89	On the Effect of Electron Collisions in the Excitation of Cometary HCN. <i>Astrophysical Journal</i> , <b>2004</b> , 613, 615-621	4.7	17
88	Two-species, 3D, MHD simulation of Europa's interaction with Jupiter's magnetosphere. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 1791-1794	4.9	17
87	Neutral cometary atmospheres. IV - Brightness profiles in the inner coma of comet Kohoutek 1973 XII. <i>Astrophysical Journal</i> , <b>1983</b> , 271, 388	4.7	17
86	Kelvin-Helmholtz instabilities at the magnetic cavity boundary of comet 67P/Churyumov-Gerasimenko. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		16
85	STUDY OF THE 2007 APRIL 20 CME-COMET INTERACTION EVENT WITH AN MHD MODEL. <i>Astrophysical Journal</i> , <b>2009</b> , 696, L56-L60	4.7	16
84	Probing the Evolutionary History of Comets: An Investigation of the Hypervolatiles CO, CH <sub>4</sub> , and C <sub>2</sub> H <sub>6</sub> in the Jupiter-family Comet 21P/Giacobini-Zinner. <i>Astronomical Journal</i> , <b>2020</b> , 159, 42	4.9	15
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