

# Michael R Combi

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

214  
papers

8,449  
citations

49  
h-index

81  
g-index

225  
ext. papers

9,394  
ext. citations

7.4  
avg. IF

5.5  
L-index

#	Paper	IF	Citations
214	Refractory elements in the gas phase for comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , <b>2022</b> , 658, A87	5.1	0
213	Operating spacecraft around comets: Evaluation of the near-nucleus environment. <i>Acta Astronautica</i> , <b>2022</b> , 195, 365-378	2.9	0
212	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> , <b>2021</b> , 2, 45	2.9	10
211	Comet 21P/Giacobini-Zinner: Water production activity over 20 years with SOHO/SWAN. <i>Icarus</i> , <b>2021</b> , 357, 114242	3.8	0
210	Cyanogen, cyanoacetylene, and acetonitrile in comet 67P and their relation to the cyano radical. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 647, A22	5.1	2
209	Testing Short-term Variability and Sampling of Primary Volatiles in Comet 46P/Wirtanen. <i>Planetary Science Journal</i> , <b>2021</b> , 2, 20	2.9	5
208	Application of the Monte Carlo Method in Modeling Dusty Gas, Dust in Plasma, and Energetic Ions in Planetary, Magnetospheric, and Heliospheric Environments. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028242	2.6	9
207	Water production rates from SOHO/SWAN observations of six comets: 2017-2020. <i>Icarus</i> , <b>2021</b> , 365, 114509	3.8	0
206	Ly $\alpha$ Observations of Comet C/2013 A1 (Siding Spring) Using MAVEN IUVS Echelle. <i>Astronomical Journal</i> , <b>2020</b> , 160, 10	4.9	2
205	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
204	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
203	Effects of Global and Regional Dust Storms on the Martian Hot O Corona and Photochemical Loss. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027115	2.6	7
202	Comet 41P/Tuttle-Giacobini-Kresak, 45P/Honda-Mrkos-Pajdusakova, and 46P/Wirtanen: Water Production Activity over 21 Years with SOHO/SWAN. <i>Planetary Science Journal</i> , <b>2020</b> , 1,	2.9	12
201	ROSINA ion zoo at Comet 67P. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 642, A27	5.1	3
200	Prestellar grain-surface origins of deuterated methanol in comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 500, 4901-4920	4.3	6
199	Molecule-dependent oxygen isotopic ratios in the coma of comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 5855-5862	4.3	3
198	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

197	A comparison between the two lobes of comet 67P/Churyumov-Gerasimenko based on D/H ratios in H <sub>2</sub> O measured with the Rosetta/ROSINA DFMS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 4734-4740	4.3	8
196	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
195	Comet C/2017 S3 (PanSTARRS): Outbursts and Disintegration. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 884,	7.9	3
194	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
193	Far-ultraviolet Spectroscopy of Recent Comets with the Cosmic Origins Spectrograph on the Hubble Space Telescope. <i>Astronomical Journal</i> , <b>2018</b> , 155, 193	4.9	12
192	Hall effect in the coma of 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 2835-2841	4.3	10
191	Water Production Activity of Nine Long-Period Comets from SOHO/SWAN Observations of Hydrogen Lyman-alpha: 2013-2016. <i>Icarus</i> , <b>2018</b> , 300, 33-46	3.8	12
190	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
189	Effects of a Solar Flare on the Martian Hot O Corona and Photochemical Escape. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 6814-6822	4.9	14
188	Solar Wind Interaction With the Martian Upper Atmosphere: Roles of the Cold Thermosphere and Hot Oxygen Corona. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 6639-6654	2.6	13
187	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
186	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
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	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
183	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
182	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
181	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
180	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

179	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
178	A New 3D Multi-fluid Dust Model: A Study of the Effects of Activity and Nucleus Rotation on Dust Grain Behavior at Comet 67P/Churyumov-Gerasimenko. <i>Astrophysical Journal</i> , <b>2017</b> , 850, 72	4.7	5
177	The Main Belt Comets and ice in the Solar System. <i>Astronomy and Astrophysics Review</i> , <b>2017</b> , 25, 1	28.8	35
176	First in-situ detection of the cometary ammonium ion $\text{NH}_4^+$ (protonated ammonia $\text{NH}_3$ ) in the coma of 67P/C-G near perihelion. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , stw3370	4.3	4
175	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
174	CHANDRAOBSERVATIONS OF COMETS C/2012 S1 (ISON) AND C/2011 L4 (PanSTARRS). <i>Astrophysical Journal</i> , <b>2016</b> , 818, 199	4.7	10
173	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
172	Exposed water ice on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , <b>2016</b> , 529, 368-72	50.4	81
171	Photochemistry of forbidden oxygen lines in the inner coma of 67P/Churyumov-Gerasimenko. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 804-816	2.6	8
170	HIGH-TIME RESOLUTION IN SITU INVESTIGATION OF MAJOR COMETARY VOLATILES AROUND 67P/C-G AT 3.1-3.3 au MEASURED WITH ROSINA-RTOF. <i>Astrophysical Journal</i> , <b>2016</b> , 819, 126	4.7	27
169	Properties of the dust in the coma of 67P/Churyumov-Gerasimenko observed with VIRTIS- M. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , stw3197	4.3	2
168	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
167	Analysis of the dust jet imaged by Rosetta VIRTIS-M in the coma of comet 67P/Churyumov-Gerasimenko on 2015 April 12. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, S370-S375	4.3	8
166	A possible mechanism for the formation of magnetic field dropouts in the coma of 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, S468-S475	4.3	6
165	A NEW 3D MULTI-FLUID MODEL: A STUDY OF KINETIC EFFECTS AND VARIATIONS OF PHYSICAL CONDITIONS IN THE COMETARY COMA. <i>Astrophysical Journal</i> , <b>2016</b> , 833, 160	4.7	9
164	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
163	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
162	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

161	Examining the exobase approximation: DSMC models of Titan's upper atmosphere. <i>Icarus</i> , <b>2016</b> , 272, 290-300	3.8	11
160	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
159	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
158	Mass spectrometric characterization of the Rosetta Spacecraft contamination <b>2016</b> ,		1
157	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
156	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
155	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
154	Cometary science. Time variability and heterogeneity in the coma of 67P/Churyumov-Gerasimenko. <i>Science</i> , <b>2015</b> , 347, aaa0276	33.3	197
153	Science Enhancements by the MAVEN Participating Scientists. <i>Space Science Reviews</i> , <b>2015</b> , 195, 319-355	7.5	1
152	2D models of gas flow and ice grain acceleration in Enceladus vents using DSMC methods. <i>Icarus</i> , <b>2015</b> , 257, 362-376	3.8	3
151	Molecular nitrogen in comet 67P/Churyumov-Gerasimenko indicates a low formation temperature. <i>Science</i> , <b>2015</b> , 348, 232-5	33.3	168
150	The diurnal cycle of water ice on comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , <b>2015</b> , 525, 500-3	50.4	120
149	Abundant molecular oxygen in the coma of comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , <b>2015</b> , 526, 678-81	50.4	208
148	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , <b>2015</b> , 350, aad0210	33.3	131
147	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , <b>2015</b> , 350, aad0459	33.3	77
146	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
145	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
144	Ultraviolet observations of the hydrogen coma of comet C/2013 A1 (Siding Spring) by MAVEN/IUVS. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8803-8809	4.9	11

143	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
142	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
141	Detection of argon in the coma of comet 67P/Churyumov-Gerasimenko. <i>Science Advances</i> , <b>2015</b> , 1, e1500377	4.7	73
140	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
139	IN SITU PLASMA MEASUREMENTS OF FRAGMENTED COMET 73P SCHWASSMANN-WACHMANN 3. <i>Astrophysical Journal</i> , <b>2015</b> , 815, 12	4.7	4
138	THE PLASMA ENVIRONMENT IN COMETS OVER A WIDE RANGE OF HELIOCENTRIC DISTANCES: APPLICATION TO COMET C/2006 P1 (MCNAUGHT). <i>Astrophysical Journal</i> , <b>2015</b> , 809, 156	4.7	4
137	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
136	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
135	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
134	A comet engulfs Mars: MAVEN observations of comet Siding Spring's influence on the Martian magnetosphere. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8810-8818	4.9	8
133	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
132	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
131	WATER PRODUCTION IN COMETS C/2011 L4 (PanSTARRS) AND C/2012 F6 (LEMMON) FROM OBSERVATIONS WITH SOHO/SWAN. <i>Astronomical Journal</i> , <b>2014</b> , 147, 126	4.9	8
130	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
129	Searches for HCl and HF in comets 103P/Hartley 2 and C/2009 P1 (Garradd) with the Herschel Space Observatory. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 562, A5	5.1	15
128	Hot carbon corona in Mars' 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
127	Hot carbon corona in Mars' upper thermosphere and exosphere: 2. Solar cycle and seasonal variability. <i>Journal of Geophysical Research E: Planets</i> , <b>2014</b> , 119, 2487-2509	4.1	12
126	Effect of the Tiger Stripes on the water vapor distribution in Enceladus' exosphere. <i>Journal of Geophysical Research E: Planets</i> , <b>2014</b> , 119, 2658-2667	4.1	10

125	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
124	COMET 1P/HALLEY MULTIFLUID MHD MODEL FOR THE GIOTTO FLY-BY. <i>Astrophysical Journal</i> , <b>2014</b> , 781, 86	4.7	27
123	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
122	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
121	Chandra ACIS-S imaging spectroscopy of anomalously faint X-ray emission from Comet 103P/Hartley 2 during the EPOXI encounter. <i>Icarus</i> , <b>2013</b> , 222, 752-765	3.8	7
120	Kinetic modeling of sodium in the lunar exosphere. <i>Icarus</i> , <b>2013</b> , 226, 1538-1549	3.8	27
119	ROSINA/DFMS capabilities to measure isotopic ratios in water at comet 67P/Churyumov-Gerasimenko. <i>Planetary and Space Science</i> , <b>2013</b> , 84, 148-152	2	14
118	Modeling the heterogeneous ice and gas coma of Comet 103P/Hartley 2. <i>Icarus</i> , <b>2013</b> , 225, 688-702	3.8	44
117	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
116	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
115	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
114	Solar system X-rays from charge exchange processes. <i>Astronomische Nachrichten</i> , <b>2012</b> , 333, 324-334	0.7	12
113	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
112	GALEX/FUV OBSERVATIONS OF COMET C/2004 Q2 (MACHHOLZ): THE IONIZATION LIFETIME OF CARBON. <i>Astrophysical Journal</i> , <b>2011</b> , 726, 8	4.7	10
111	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
110	SOHO/SWAN observations of comets with small perihelia: C/2002 V1 (NEAT), C/2002 X5 (Kudo-Fujikawa), 2006 P1 (McNaught) and 96P/Machholz 1. <i>Icarus</i> , <b>2011</b> , 216, 449-461	3.8	13
109	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
108	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

107	EPOXI : COMET 103P/HARTLEY 2 OBSERVATIONS FROM A WORLDWIDE CAMPAIGN. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 734, L1	7.9	83
106	SOHO/SWAN OBSERVATIONS OF SHORT-PERIOD SPACECRAFT TARGET COMETS. <i>Astronomical Journal</i> , <b>2011</b> , 141, 128	4.9	25
105	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
104	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
103	Martian atmosphere as observed by VIRTIS-M on Rosetta spacecraft. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		8
102	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
101	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
100	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
99	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
98	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
97	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
96	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
95	Neutral Upper Atmosphere and Ionosphere Modeling. <i>Space Sciences Series of ISSI</i> , <b>2008</b> , 107-141	0.1	1
94	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
93	SOLAR AND HELIOSPHERIC OBSERVATORY/SOLAR WIND ANISOTROPIES OBSERVATIONS OF FIVE MODERATELY BRIGHT COMETS: 1999-2002. <i>Astronomical Journal</i> , <b>2008</b> , 135, 1533-1550	4.9	11
92	A 3-D global MHD model for the effect of neutral jets during the Deep Space 1 Comet 19P/Borrelly flyby. <i>Icarus</i> , <b>2008</b> , 196, 249-257	3.8	14
91	Plasma Flow and Related Phenomena in Planetary Aeronomy. <i>Space Science Reviews</i> , <b>2008</b> , 139, 311-353	7.5	27
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