

# Ralf Jaumann

## List of Publications by Citations

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318  
papers

18,093  
citations

73  
h-index

123  
g-index

342  
ext. papers

20,297  
ext. citations

8.2  
avg, IF

5.73  
L-index

#	Paper	IF	Citations
318	Global mineralogical and aqueous mars history derived from OMEGA/Mars Express data. <i>Science</i> , <b>2006</b> , 312, 400-4	33.3	1182
317	Phyllosilicates on Mars and implications for early martian climate. <i>Nature</i> , <b>2005</b> , 438, 623-7	50.4	706
316	Recent and episodic volcanic and glacial activity on Mars revealed by the High Resolution Stereo Camera. <i>Nature</i> , <b>2004</b> , 432, 971-9	50.4	375
315	Dawn at Vesta: testing the protoplanetary paradigm. <i>Science</i> , <b>2012</b> , 336, 684-6	33.3	356
314	The high-resolution stereo camera (HRSC) experiment on Mars Express: Instrument aspects and experiment conduct from interplanetary cruise through the nominal mission. <i>Planetary and Space Science</i> , <b>2007</b> , 55, 928-952	2	343
313	The Cassini Visual And Infrared Mapping Spectrometer (Vims) Investigation. <i>Space Science Reviews</i> , <b>2004</b> , 115, 111-168	7.5	324
312	JUpiter ICy moons Explorer (JUICE): An ESA mission to orbit Ganymede and to characterise the Jupiter system. <i>Planetary and Space Science</i> , <b>2013</b> , 78, 1-21	2	308
311	Tropical to mid-latitude snow and ice accumulation, flow and glaciation on Mars. <i>Nature</i> , <b>2005</b> , 434, 346-50.4	50.4	297
310	Ages and stratigraphy of mare basalts in Oceanus Procellarum, Mare Nubium, Mare Cognitum, and Mare Insularum. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		279
309	Ages of mare basalts on the lunar nearside. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 29239-29275		262
308	Habitability on Early Mars and the Search for Biosignatures with the ExoMars Rover. <i>Astrobiology</i> , <b>2017</b> , 17, 471-510	3.7	257
307	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryugu-A spinning top-shaped rubble pile. <i>Science</i> , <b>2019</b> , 364, 268-272	33.3	254
306	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
305	Ammoniated phyllosilicates with a likely outer Solar System origin on (1) Ceres. <i>Nature</i> , <b>2015</b> , 528, 241-450.4	50.4	226
304	The identification of liquid ethane in Titan's Ontario Lacus. <i>Nature</i> , <b>2008</b> , 454, 607-10	50.4	223
303	The Dawn Framing Camera. <i>Space Science Reviews</i> , <b>2011</b> , 163, 263-327	7.5	222
302	Results from the Mars Pathfinder camera. <i>Science</i> , <b>1997</b> , 278, 1758-65	33.3	216

301	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. <i>Science</i> , <b>2019</b> , 364, 252	33.3	209
300	Spectroscopic characterization of mineralogy and its diversity across Vesta. <i>Science</i> , <b>2012</b> , 336, 697-700	33.3	209
299	Bright carbonate deposits as evidence of aqueous alteration on (1) Ceres. <i>Nature</i> , <b>2016</b> , 536, 54-7	50.4	198
298	Vesta's shape and morphology. <i>Science</i> , <b>2012</b> , 336, 687-90	33.3	183
297	The violent collisional history of asteroid 4 Vesta. <i>Science</i> , <b>2012</b> , 336, 690-4	33.3	178
296	Release of volatiles from a possible cryovolcano from near-infrared imaging of Titan. <i>Nature</i> , <b>2005</b> , 435, 786-9	50.4	175
295	The geologically recent giant impact basins at Vesta's south pole. <i>Science</i> , <b>2012</b> , 336, 694-7	33.3	161
294	Composition and physical properties of Enceladus' surface. <i>Science</i> , <b>2006</b> , 311, 1425-8	33.3	159
293	Dawn arrives at Ceres: Exploration of a small, volatile-rich world. <i>Science</i> , <b>2016</b> , 353, 1008-1010	33.3	157
292	Evidence for a polar ethane cloud on Titan. <i>Science</i> , <b>2006</b> , 313, 1620-2	33.3	149
291	Correlations between Cassini VIMS spectra and RADAR SAR images: Implications for Titan's surface composition and the character of the Huygens Probe Landing Site. <i>Planetary and Space Science</i> , <b>2007</b> , 55, 2025-2036	2	146
290	Virtis: An Imaging Spectrometer for the Rosetta Mission. <i>Space Science Reviews</i> , <b>2007</b> , 128, 529-559	7.5	146
289	Distribution of phyllosilicates on the surface of Ceres. <i>Science</i> , <b>2016</b> , 353,	33.3	144
288	Detection and mapping of hydrocarbon deposits on Titan. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		135
287	Dark material on Vesta from the infall of carbonaceous volatile-rich material. <i>Nature</i> , <b>2012</b> , 491, 83-6	50.4	134
286	Compositional maps of Saturn's moon Phoebe from imaging spectroscopy. <i>Nature</i> , <b>2005</b> , 435, 66-9	50.4	132
285	The evolution of Titan's mid-latitude clouds. <i>Science</i> , <b>2005</b> , 310, 474-7	33.3	131
284	Cratering on Ceres: Implications for its crust and evolution. <i>Science</i> , <b>2016</b> , 353,	33.3	121

283	Topography of Mars from global mapping by HRSC high-resolution digital terrain models and orthoimages: Characteristics and performance. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 294, 506-519	5.3	120
282	Compositional mapping of Saturn's satellite Dione with Cassini VIMS and implications of dark material in the Saturn system. <i>Icarus</i> , <b>2008</b> , 193, 372-386	3.8	119
281	The surface composition of Iapetus: Mapping results from Cassini VIMS. <i>Icarus</i> , <b>2012</b> , 218, 831-860	3.8	113
280	Spectroscopy, morphometry, and photoclinometry of Titan's dunefields from Cassini/VIMS. <i>Icarus</i> , <b>2008</b> , 195, 400-414	3.8	111
279	Sequence of infilling events in Gale Crater, Mars: Results from morphology, stratigraphy, and mineralogy. <i>Journal of Geophysical Research E: Planets</i> , <b>2013</b> , 118, 2439-2473	4.1	104
278	Dawn Mission to Vesta and Ceres. <i>Earth, Moon and Planets</i> , <b>2007</b> , 101, 65-91	0.6	104
277	Overview of the Mars Pathfinder Mission: Launch through landing, surface operations, data sets, and science results. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 8523-8553		104
276	The High Resolution Stereo Camera (HRSC) of Mars Express and its approach to science analysis and mapping for Mars and its satellites. <i>Planetary and Space Science</i> , <b>2016</b> , 126, 93-138	2	103
275	A brief review of chemical and mineralogical resources on the Moon and likely initial in situ resource utilization (ISRU) applications. <i>Planetary and Space Science</i> , <b>2012</b> , 74, 42-48	2	100
274	Mars Express HRSC Data Processing [Methods and Operational Aspects. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2005</b> , 71, 1143-1152	1.6	97
273	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
272	Morphology and dynamics of the upper cloud layer of Venus. <i>Nature</i> , <b>2007</b> , 450, 633-6	50.4	94
271	Ages and stratigraphy of lunar mare basalts in Mare Frigoris and other nearside maria based on crater size-frequency distribution measurements. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		93
270	The geomorphology of Ceres. <i>Science</i> , <b>2016</b> , 353,	33.3	92
269	Ages and stratigraphy of lunar mare basalts: A synthesis <b>2011</b> ,		92
268	Dawn: A journey in space and time. <i>Planetary and Space Science</i> , <b>2004</b> , 52, 465-489	2	90
267	Back to the Moon: The scientific rationale for resuming lunar surface exploration. <i>Planetary and Space Science</i> , <b>2012</b> , 74, 3-14	2	87
266	Morphology of the cloud tops as observed by the Venus Express Monitoring Camera. <i>Icarus</i> , <b>2012</b> , 217, 682-701	3.8	87

265	Composition of Titan's surface from Cassini VIMS. <i>Planetary and Space Science</i> , <b>2006</b> , 54, 1524-1539	2	87
264	MASCOT – The Mobile Asteroid Surface Scout Onboard the Hayabusa2 Mission. <i>Space Science Reviews</i> , <b>2017</b> , 208, 339-374	7.5	84
263	Organic sedimentary deposits in Titan's dry lakebeds: Probable evaporite. <i>Icarus</i> , <b>2011</b> , 216, 136-140	3.8	84
262	Lunar mare basalt flow units: Thicknesses determined from crater size-frequency distributions. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 89-1-89-4	4.9	82
261	Exposed water ice on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , <b>2016</b> , 529, 368-72	50.4	81
260	Venus Monitoring Camera for Venus Express. <i>Planetary and Space Science</i> , <b>2007</b> , 55, 1701-1711	2	81
259	Geophysical Constraints on the Evolution of Mars. <i>Space Science Reviews</i> , <b>2001</b> , 96, 231-262	7.5	81
258	Derivation and Validation of High-Resolution Digital Terrain Models from Mars Express HRSC Data. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2009</b> , 75, 1127-1142	1.6	80
257	Fluvial erosion and post-erosional processes on Titan. <i>Icarus</i> , <b>2008</b> , 197, 526-538	3.8	80
256	Cassini Visual and Infrared Mapping Spectrometer Observations of Iapetus: Detection of CO <sub>2</sub> . <i>Astrophysical Journal</i> , <b>2005</b> , 622, L149-L152	4.7	80
255	Absolute dune ages and implications for the time of formation of gullies in Nirgal Vallis, Mars. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		79
254	Hydrocarbons on Saturn's satellites Iapetus and Phoebe. <i>Icarus</i> , <b>2008</b> , 193, 334-343	3.8	77
253	Saturn's icy satellites and rings investigated by Cassini-VIMS: III – Radial compositional variability. <i>Icarus</i> , <b>2012</b> , 220, 1064-1096	3.8	76
252	Geomorphological evidence for ground ice on dwarf planet Ceres. <i>Nature Geoscience</i> , <b>2017</b> , 10, 338-343	18.3	75
251	Low thermal conductivity boulder with high porosity identified on C-type asteroid (162173) Ryugu. <i>Nature Astronomy</i> , <b>2019</b> , 3, 971-976	12.1	74
250	Discovery of a flank caldera and very young glacial activity at Hecates Tholus, Mars. <i>Nature</i> , <b>2005</b> , 434, 356-61	50.4	74
249	Images from the surface of asteroid Ryugu show rocks similar to carbonaceous chondrite meteorites. <i>Science</i> , <b>2019</b> , 365, 817-820	33.3	73
248	Near-infrared spectral mapping of Titan's mountains and channels. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		73

247	A 5-micron-bright spot on Titan: evidence for surface diversity. <i>Science</i> , <b>2005</b> , 310, 92-5	33.3	73
246	Crustal diversity of the moon: Compositional analyses of Galileo solid state imaging data. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 17127		73
245	Vesta's mineralogical composition as revealed by the visible and infrared spectrometer on Dawn. <i>Meteoritics and Planetary Science</i> , <b>2013</b> , 48, 2166-2184	2.8	72
244	The geologic evolution of Mars: Episodicity of resurfacing events and ages from cratering analysis of image data and correlation with radiometric ages of Martian meteorites. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 294, 204-222	5.3	72
243	COMETARY SCIENCE. The structure of the regolith on 67P/Churyumov-Gerasimenko from ROLIS descent imaging. <i>Science</i> , <b>2015</b> , 349, aab0232	33.3	71
242	Geology, geochemistry, and geophysics of the Moon: Status of current understanding. <i>Planetary and Space Science</i> , <b>2012</b> , 74, 15-41	2	71
241	Titan's surface: Search for spectral diversity and composition using the Cassini VIMS investigation. <i>Icarus</i> , <b>2008</b> , 194, 212-242	3.8	71
240	Carbon dioxide on the satellites of Saturn: Results from the Cassini VIMS investigation and revisions to the VIMS wavelength scale. <i>Icarus</i> , <b>2010</b> , 206, 561-572	3.8	70
239	The cratering record, chronology and surface ages of (4) Vesta in comparison to smaller asteroids and the ages of HED meteorites. <i>Planetary and Space Science</i> , <b>2014</b> , 103, 104-130	2	68
238	Supporting Mars exploration: BIOMEX in Low Earth Orbit and further astrobiological studies on the Moon using Raman and PanCam technology. <i>Planetary and Space Science</i> , <b>2012</b> , 74, 103-110	2	67
237	Extensive surface pedogenic alteration of the Martian Noachian crust suggested by plateau phyllosilicates around Valles Marineris. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		65
236	Saturn's Titan: Surface change, ammonia, and implications for atmospheric and tectonic activity. <i>Icarus</i> , <b>2009</b> , 199, 429-441	3.8	65
235	Shoreline features of Titan's Ontario Lacus from Cassini/VIMS observations. <i>Icarus</i> , <b>2009</b> , 201, 217-225	3.8	65
234	Resolved spectrophotometric properties of the Ceres surface from Dawn Framing Camera images. <i>Icarus</i> , <b>2017</b> , 288, 201-225	3.8	64
233	Titan's fluvial valleys: Morphology, distribution, and spectral properties. <i>Planetary and Space Science</i> , <b>2012</b> , 60, 34-51	2	62
232	Specular reflection on Titan: Liquids in Kraken Mare. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	62
231	The geology of Hotei Regio, Titan: Correlation of Cassini VIMS and RADAR. <i>Icarus</i> , <b>2009</b> , 204, 610-618	3.8	60
230	Cassini VIMS observations of the Galilean satellites including the VIMS calibration procedure. <i>Icarus</i> , <b>2004</b> , 172, 104-126	3.8	60

229	Preliminary results on photometric properties of materials at the Sagan Memorial Station, Mars. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 8809-8830		60
228	TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , <b>2009</b> , 23, 893-946	1.3	59
227	Distribution of icy particles across Enceladus' surface as derived from Cassini-VIMS measurements. <i>Icarus</i> , <b>2008</b> , 193, 407-419	3.8	58
226	Observations of Titan's Northern lakes at 5m: Implications for the organic cycle and geology. <i>Icarus</i> , <b>2012</b> , 221, 768-786	3.8	57
225	Sedimentary deposits in Xanthe Terra: Implications for the ancient climate on Mars. <i>Planetary and Space Science</i> , <b>2009</b> , 57, 944-957	2	57
224	Saturn's icy satellites investigated by Cassini-VIMS. <i>Icarus</i> , <b>2007</b> , 186, 259-290	3.8	57
223	Recent debris flows on Mars: Seasonal observations of the Russell Crater dune field. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	57
222	Geological Processes and Evolution. <i>Space Science Reviews</i> , <b>2001</b> , 96, 263-292	7.5	57
221	Venus cloud top winds from tracking UV features in Venus Monitoring Camera images. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		56
220	Global mapping and characterization of Titan's dune fields with Cassini: Correlation between RADAR and VIMS observations. <i>Icarus</i> , <b>2014</b> , 230, 168-179	3.8	55
219	Mapping and interpretation of Sinlap crater on Titan using Cassini VIMS and RADAR data. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		54
218	Enceladus: An Active Cryovolcanic Satellite <b>2009</b> , 683-724		54
217	Quantifying geological processes on Mars: Results of the high resolution stereo camera (HRSC) on Mars express. <i>Planetary and Space Science</i> , <b>2015</b> , 112, 53-97	2	53
216	Large-scale troughs on Vesta: A signature of planetary tectonics. <i>Geophysical Research Letters</i> , <b>2012</b> , 39,	4.9	52
215	Dark aeolian sediments in Martian craters: Composition and sources. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		52
214	Surface composition of Hyperion. <i>Nature</i> , <b>2007</b> , 448, 54-6	50.4	51
213	Detection of Sub-Micron Radiation from the Surface of Venus by Cassini/VIMS. <i>Icarus</i> , <b>2000</b> , 148, 307-311	3.8	50
212	Observations in the Saturn system during approach and orbital insertion, with Cassini's visual and infrared mapping spectrometer (VIMS). <i>Astronomy and Astrophysics</i> , <b>2006</b> , 446, 707-716	5.1	49

211	High resolution Vesta High Altitude Mapping Orbit (HAMO) Atlas derived from Dawn framing camera images. <i>Planetary and Space Science</i> , <b>2012</b> , 73, 283-286	2	48
210	THE ATMOSPHERES OF SATURN AND TITAN IN THE NEAR-INFRARED: FIRST RESULTS OF CASSINI/VIMS. <i>Earth, Moon and Planets</i> , <b>2006</b> , 96, 119-147	0.6	48
209	Remote sensing and geologic studies of the Schiller-Schickard region of the Moon. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 16959		48
208	Mineralogy and morphology of geologic units at Libya Montes, Mars: Ancient aqueously derived outcrops, mafic flows, fluvial features, and impacts. <i>Journal of Geophysical Research E: Planets</i> , <b>2013</b> , 118, 487-513	4.1	47
207	Dione's spectral and geological properties. <i>Icarus</i> , <b>2010</b> , 206, 631-652	3.8	47
206	Interior channels in Martian valleys: Constraints on fluvial erosion by measurements of the Mars Express High Resolution Stereo Camera. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	47
205	Geologic mapping of Vesta. <i>Planetary and Space Science</i> , <b>2014</b> , 103, 2-23	2	46
204	Observations with the Visual and Infrared Mapping Spectrometer (VIMS) during Cassini's flyby of Jupiter. <i>Icarus</i> , <b>2003</b> , 164, 461-470	3.8	46
203	Saturn's icy satellites investigated by Cassini/VIMS. <i>Icarus</i> , <b>2010</b> , 206, 507-523	3.8	45
202	High-resolution Ceres High Altitude Mapping Orbit atlas derived from Dawn Framing Camera images. <i>Planetary and Space Science</i> , <b>2016</b> , 129, 103-107	2	45
201	Cryogenic flow features on Ceres: Implications for crater-related cryovolcanism. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 11,994-12,003	4.9	44
200	The global surface composition of 67P/CG nucleus by Rosetta/VIRTIS. (I) Prelanding mission phase. <i>Icarus</i> , <b>2016</b> , 274, 334-349	3.8	44
199	Dawn completes its mission at 4 Vesta. <i>Meteoritics and Planetary Science</i> , <b>2013</b> , 48, 2076-2089	2.8	43
198	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
197	Mass movement on Vesta at steep scarps and crater rims. <i>Icarus</i> , <b>2014</b> , 244, 120-132	3.8	42
196	The PanCam Instrument for the ExoMars Rover. <i>Astrobiology</i> , <b>2017</b> , 17, 511-541	3.7	41
195	Morphology, stratigraphy, and mineralogical composition of a layered formation covering the plateaus around Valles Marineris, Mars: Implications for its geological history. <i>Icarus</i> , <b>2010</b> , 208, 684-703	3.8	41
194	Penetrators for in situ subsurface investigations of Europa. <i>Advances in Space Research</i> , <b>2011</b> , 48, 725-742	2.4	40



193	Network science landers for Mars. <i>Advances in Space Research</i> , <b>1999</b> , 23, 1915-1924	2.4	40
192	The Dawn Topography Investigation. <i>Space Science Reviews</i> , <b>2011</b> , 163, 487-510	7.5	39
191	Geology of the Selk crater region on Titan from Cassini VIMS observations. <i>Icarus</i> , <b>2010</b> , 208, 905-912	3.8	39
190	Farside explorer: unique science from a mission to the farside of the moon. <i>Experimental Astronomy</i> , <b>2012</b> , 33, 529-585	1.3	38
189	Context for the ESA ExoMars rover: the Panoramic Camera (PanCam) instrument. <i>International Journal of Astrobiology</i> , <b>2006</b> , 5, 269-275	1.4	38
188	Precipitation-induced surface brightenings seen on Titan by Cassini VIMS and ISS <b>2013</b> , 2,		37
187	The Camera of the MASCOT Asteroid Lander on Board Hayabusa 2. <i>Space Science Reviews</i> , <b>2017</b> , 208, 375-400	7.5	37
186	The formation and evolution of bright spots on Ceres. <i>Icarus</i> , <b>2019</b> , 320, 188-201	3.8	37
185	Geomorphological evidence for transient water flow on Vesta. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 411, 151-163	5.3	36
184	Lobate and flow-like features on asteroid Vesta. <i>Planetary and Space Science</i> , <b>2014</b> , 103, 24-35	2	36
183	Composition and mineralogy of dark material units on Vesta. <i>Icarus</i> , <b>2014</b> , 240, 58-72	3.8	36
182	The Western Libya Montes Valley System on Mars: Evidence for episodic and multi-genetic erosion events during the Martian history. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 294, 272-290	5.3	36
181	Infrared (0.838-1.1 $\mu$ m) photometry of Phoebe from the Cassini Visual Infrared Mapping Spectrometer. <i>Icarus</i> , <b>2008</b> , 193, 309-322	3.8	36
180	SURFACE ALBEDO AND SPECTRAL VARIABILITY OF CERES. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 817, L22	7.9	36
179	Valleys, paleolakes and possible shorelines at the Libya Montes/Isidis boundary: Implications for the hydrologic evolution of Mars. <i>Icarus</i> , <b>2012</b> , 219, 393-413	3.8	35
178	Landscape evolution in Martian mid-latitude regions: insights from analogous periglacial landforms in Svalbard. <i>Geological Society Special Publication</i> , <b>2011</b> , 356, 111-131	1.7	35
177	The imaging performance of the SRC on Mars Express. <i>Planetary and Space Science</i> , <b>2008</b> , 56, 473-491	2	35
176	The geology of the Marcia quadrangle of asteroid Vesta: Assessing the effects of large, young craters. <i>Icarus</i> , <b>2014</b> , 244, 74-88	3.8	34

175	CHARACTERIZATION OF CLOUDS IN TITAN'S TROPICAL ATMOSPHERE. <i>Astrophysical Journal</i> , <b>2009</b> , 702, L105-L109	4.7	34
174	Photometric and spectral analysis of the distribution of crystalline and amorphous ices on Enceladus as seen by Cassini. <i>Icarus</i> , <b>2008</b> , 193, 397-406	3.8	34
173	Hydrogen Peroxide on Enceladus. <i>Astrophysical Journal</i> , <b>2007</b> , 670, L143-L146	4.7	34
172	Geomorphologic Evidence for Liquid Water. <i>Space Science Reviews</i> , <b>2001</b> , 96, 333-364	7.5	34
171	The Saturnian satellite Rhea as seen by Cassini VIMS. <i>Planetary and Space Science</i> , <b>2012</b> , 61, 142-160	2	33
170	Bright carbonate surfaces on Ceres as remnants of salt-rich water fountains. <i>Icarus</i> , <b>2019</b> , 320, 39-48	3.8	33
169	Photometric changes on Saturn's Titan: Evidence for active cryovolcanism. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	32
168	The Rolis Experiment on the Rosetta Lander. <i>Space Science Reviews</i> , <b>2007</b> , 128, 241-255	7.5	32
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166	Clementine imagery: selenographic coverage for cartographic and scientific use. <i>Planetary and Space Science</i> , <b>1996</b> , 44, 1135-1148	2	31
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