

Carol A Raymond

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4413310/carol-a-raymond-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

194
papers

7,594
citations

46
h-index

80
g-index

201
ext. papers

8,449
ext. citations

8.6
avg, IF

5.55
L-index

#	Paper	IF	Citations
194	Dawn at Vesta: testing the protoplanetary paradigm. <i>Science</i> , 2012 , 336, 684-6	33.3	356
193	Ammoniated phyllosilicates with a likely outer Solar System origin on (1) Ceres. <i>Nature</i> , 2015 , 528, 241-45	50.4	226
192	Spectroscopic characterization of mineralogy and its diversity across Vesta. <i>Science</i> , 2012 , 336, 697-700	33.3	209
191	Bright carbonate deposits as evidence of aqueous alteration on (1) Ceres. <i>Nature</i> , 2016 , 536, 54-7	50.4	198
190	Vesta's shape and morphology. <i>Science</i> , 2012 , 336, 687-90	33.3	183
189	Elemental mapping by Dawn reveals exogenic H in Vesta's regolith. <i>Science</i> , 2012 , 338, 242-6	33.3	181
188	The violent collisional history of asteroid 4 Vesta. <i>Science</i> , 2012 , 336, 690-4	33.3	178
187	The Dawn Mission to Vesta and Ceres. <i>Space Science Reviews</i> , 2011 , 163, 3-23	7.5	162
186	The geologically recent giant impact basins at Vesta's south pole. <i>Science</i> , 2012 , 336, 694-7	33.3	161
185	Dawn arrives at Ceres: Exploration of a small, volatile-rich world. <i>Science</i> , 2016 , 353, 1008-1010	33.3	157
184	Color and albedo heterogeneity of Vesta from Dawn. <i>Science</i> , 2012 , 336, 700-4	33.3	147
183	Extensive water ice within Ceres' aqueously altered regolith: Evidence from nuclear spectroscopy. <i>Science</i> , 2017 , 355, 55-59	33.3	146
182	Distribution of phyllosilicates on the surface of Ceres. <i>Science</i> , 2016 , 353,	33.3	144
181	A partially differentiated interior for (1) Ceres deduced from its gravity field and shape. <i>Nature</i> , 2016 , 537, 515-517	50.4	143
180	Cryovolcanism on Ceres. <i>Science</i> , 2016 , 353,	33.3	135
179	Dark material on Vesta from the infall of carbonaceous volatile-rich material. <i>Nature</i> , 2012 , 491, 83-6	50.4	134
178	Localized aliphatic organic material on the surface of Ceres. <i>Science</i> , 2017 , 355, 719-722	33.3	122

177	Cratering on Ceres: Implications for its crust and evolution. <i>Science</i> , 2016 , 353,	33.3	121
176	Detection of local H ₂ O exposed at the surface of Ceres. <i>Science</i> , 2016 , 353,	33.3	118
175	Sublimation in bright spots on (1) Ceres. <i>Nature</i> , 2015 , 528, 237-40	50.4	105
174	Dawn Mission to Vesta and Ceres. <i>Earth, Moon and Planets</i> , 2007 , 101, 65-91	0.6	104
173	DETECTION OF WIDESPREAD HYDRATED MATERIALS ON VESTA BY THE VIR IMAGING SPECTROMETER ON BOARD THE DAWN MISSION. <i>Astrophysical Journal Letters</i> , 2012 , 758, L36	7.9	103
172	Composition and structure of the shallow subsurface of Ceres revealed by crater morphology. <i>Nature Geoscience</i> , 2016 , 9, 538-542	18.3	100
171	The interior structure of Ceres as revealed by surface topography. <i>Earth and Planetary Science Letters</i> , 2017 , 476, 153-164	5.3	99
170	High-velocity collisions from the lunar cataclysm recorded in asteroidal meteorites. <i>Nature Geoscience</i> , 2013 , 6, 303-307	18.3	95
169	Constraints on Ceres' Internal Structure and Evolution From Its Shape and Gravity Measured by the Dawn Spacecraft. <i>Journal of Geophysical Research E: Planets</i> , 2017 , 122, 2267-2293	4.1	94
168	The geomorphology of Ceres. <i>Science</i> , 2016 , 353,	33.3	92
167	Dawn: A journey in space and time. <i>Planetary and Space Science</i> , 2004 , 52, 465-489	2	90
166	Pitted terrain on Vesta and implications for the presence of volatiles. <i>Science</i> , 2012 , 338, 246-9	33.3	82
165	Geomorphological evidence for ground ice on dwarf planet Ceres. <i>Nature Geoscience</i> , 2017 , 10, 338-343	18.3	75
164	The Vesta gravity field, spin pole and rotation period, landmark positions, and ephemeris from the Dawn tracking and optical data. <i>Icarus</i> , 2014 , 240, 103-117	3.8	74
163	The missing large impact craters on Ceres. <i>Nature Communications</i> , 2016 , 7, 12257	17.4	73
162	Vesta's mineralogical composition as revealed by the visible and infrared spectrometer on Dawn. <i>Meteoritics and Planetary Science</i> , 2013 , 48, 2166-2184	2.8	72
161	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> , 2014 , 103, 104-130	2	68
160	Resolved spectrophotometric properties of the Ceres surface from Dawn Framing Camera images. <i>Icarus</i> , 2017 , 288, 201-225	3.8	64

159	Nature, formation, and distribution of carbonates on Ceres. <i>Science Advances</i> , 2018 , 4, e1701645	14.3	62
158	Spectrophotometric properties of dwarf planet Ceres from the VIR spectrometer on board the Dawn mission. <i>Astronomy and Astrophysics</i> , 2017 , 598, A130	5.1	56
157	Chondritic models of 4 Vesta: Implications for geochemical and geophysical properties. <i>Meteoritics and Planetary Science</i> , 2013 , 48, 2300-2315	2.8	55
156	Resolved photometry of Vesta reveals physical properties of crater regolith. <i>Planetary and Space Science</i> , 2013 , 85, 198-213	2	54
155	Large-scale troughs on Vesta: A signature of planetary tectonics. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	52
154	The Dawn Gravity Investigation at Vesta and Ceres. <i>Space Science Reviews</i> , 2011 , 163, 461-486	7.5	52
153	The Ceres gravity field, spin pole, rotation period and orbit from the Dawn radiometric tracking and optical data. <i>Icarus</i> , 2018 , 299, 411-429	3.8	49
152	Thermal measurements of dark and bright surface features on Vesta as derived from Dawn/VIR. <i>Icarus</i> , 2014 , 240, 36-57	3.8	49
151	High resolution Vesta High Altitude Mapping Orbit (HAMO) Atlas derived from Dawn framing camera images. <i>Planetary and Space Science</i> , 2012 , 73, 283-286	2	48
150	An aqueously altered carbon-rich Ceres. <i>Nature Astronomy</i> , 2019 , 3, 140-145	12.1	48
149	Spectral analysis of Ahuna Mons from Dawn mission's visible-infrared spectrometer. <i>Geophysical Research Letters</i> , 2017 , 44, 97-104	4.9	46
148	Small crater populations on Vesta. <i>Planetary and Space Science</i> , 2014 , 103, 96-103	2	46
147	Geologic mapping of Vesta. <i>Planetary and Space Science</i> , 2014 , 103, 2-23	2	46
146	Constraints on Vesta's interior structure using gravity and shape models from the Dawn mission. <i>Icarus</i> , 2014 , 240, 146-160	3.8	46
145	The permanently shadowed regions of dwarf planet Ceres. <i>Geophysical Research Letters</i> , 2016 , 43, 6783-6789	4.9	45
144	High-resolution Ceres High Altitude Mapping Orbit atlas derived from Dawn Framing Camera images. <i>Planetary and Space Science</i> , 2016 , 129, 103-107	2	45
143	Neutron absorption constraints on the composition of 4 Vesta. <i>Meteoritics and Planetary Science</i> , 2013 , 48, 2211-2236	2.8	44
142	Cryogenic flow features on Ceres: Implications for crater-related cryovolcanism. <i>Geophysical Research Letters</i> , 2016 , 43, 11,994-12,003	4.9	44

141	Mineralogy of Occator crater on Ceres and insight into its evolution from the properties of carbonates, phyllosilicates, and chlorides. <i>Icarus</i> , 2019 , 320, 83-96	3.8	44
140	Carbonaceous chondrites as analogs for the composition and alteration of Ceres. <i>Meteoritics and Planetary Science</i> , 2018 , 53, 1793-1804	2.8	43
139	Pitted terrains on (1) Ceres and implications for shallow subsurface volatile distribution. <i>Geophysical Research Letters</i> , 2017 , 44, 6570-6578	4.9	43
138	Mass movement on Vesta at steep scarps and crater rims. <i>Icarus</i> , 2014 , 244, 120-132	3.8	42
137	The Dawn Topography Investigation. <i>Space Science Reviews</i> , 2011 , 163, 487-510	7.5	39
136	Vesta surface thermal properties map. <i>Geophysical Research Letters</i> , 2014 , 41, 1438-1443	4.9	38
135	Exposed H ₂ O-rich areas detected on Ceres with the dawn visible and infrared mapping spectrometer. <i>Icarus</i> , 2019 , 318, 22-41	3.8	38
134	Variations in the amount of water ice on Ceres' surface suggest a seasonal water cycle. <i>Science Advances</i> , 2018 , 4, eaao3757	14.3	37
133	The formation and evolution of bright spots on Ceres. <i>Icarus</i> , 2019 , 320, 188-201	3.8	37
132	Geomorphological evidence for transient water flow on Vesta. <i>Earth and Planetary Science Letters</i> , 2015 , 411, 151-163	5.3	36
131	A Possible Brine Reservoir Beneath Occator Crater: Thermal and Compositional Evolution and Formation of the Cerealia Dome and Vinalia Faculae. <i>Icarus</i> , 2019 , 320, 119-135	3.8	36
130	Constraining the cratering chronology of Vesta. <i>Planetary and Space Science</i> , 2014 , 103, 131-142	2	36
129	Lobate and flow-like features on asteroid Vesta. <i>Planetary and Space Science</i> , 2014 , 103, 24-35	2	36
128	Fresh emplacement of hydrated sodium chloride on Ceres from ascending salty fluids. <i>Nature Astronomy</i> , 2020 , 4, 786-793	12.1	36
127	SURFACE ALBEDO AND SPECTRAL VARIABILITY OF CERES. <i>Astrophysical Journal Letters</i> , 2016 , 817, L22	7.9	36
126	The Dependence of the Cerean Exosphere on Solar Energetic Particle Events. <i>Astrophysical Journal Letters</i> , 2017 , 838, L8	7.9	35
125	The geology of the Marcia quadrangle of asteroid Vesta: Assessing the effects of large, young craters. <i>Icarus</i> , 2014 , 244, 74-88	3.8	34
124	Conditions for Sublimating Water Ice to Supply Ceres' Exosphere. <i>Journal of Geophysical Research E: Planets</i> , 2017 , 122, 1984-1995	4.1	34

123	Impact-driven mobilization of deep crustal brines on dwarf planet Ceres. <i>Nature Astronomy</i> , 2020 , 4, 741-747	12.1	34
122	High-resolution shape model of Ceres from stereophotoclinometry using Dawn Imaging Data. <i>Icarus</i> , 2019 , 319, 812-827	3.8	34
121	Bright carbonate surfaces on Ceres as remnants of salt-rich water fountains. <i>Icarus</i> , 2019 , 320, 39-48	3.8	33
120	The various ages of Occator crater, Ceres: Results of a comprehensive synthesis approach. <i>Icarus</i> , 2019 , 320, 60-82	3.8	31
119	Ceres Survey Atlas derived from Dawn Framing Camera images. <i>Planetary and Space Science</i> , 2016 , 121, 115-120	2	30
118	Timing of optical maturation of recently exposed material on Ceres. <i>Geophysical Research Letters</i> , 2016 , 43, 11,987-11,993	4.9	30
117	Detection of serpentine in exogenic carbonaceous chondrite material on Vesta from Dawn FC data. <i>Icarus</i> , 2014 , 239, 222-237	3.8	29
116	Elemental composition and mineralogy of Vesta and Ceres: Distribution and origins of hydrogen-bearing species. <i>Icarus</i> , 2019 , 318, 42-55	3.8	28
115	Ceres's obliquity history and its implications for the permanently shadowed regions. <i>Geophysical Research Letters</i> , 2017 , 44, 2652-2661	4.9	27
114	Morphology and formation ages of mid-sized post-Rheasilvia craters [Geology of quadrangle Tuccia, Vesta. <i>Icarus</i> , 2014 , 244, 133-157	3.8	27
113	Ceres: Astrobiological Target and Possible Ocean World. <i>Astrobiology</i> , 2020 , 20, 269-291	3.7	27
112	Slurry extrusion on Ceres from a convective mud-bearing mantle. <i>Nature Geoscience</i> , 2019 , 12, 505-509	18.3	26
111	A Global Inventory of Ice-Related Morphological Features on Dwarf Planet Ceres: Implications for the Evolution and Current State of the Cryosphere. <i>Journal of Geophysical Research E: Planets</i> , 2019 , 124, 1650-1689	4.1	26
110	Geologic map of the northern hemisphere of Vesta based on Dawn Framing Camera (FC) images. <i>Icarus</i> , 2014 , 244, 41-59	3.8	26
109	Compositional differences among Bright Spots on the Ceres surface. <i>Icarus</i> , 2019 , 320, 202-212	3.8	26
108	Evidence for the Interior Evolution of Ceres from Geologic Analysis of Fractures. <i>Geophysical Research Letters</i> , 2017 , 44, 9564-9572	4.9	25
107	Geologic constraints on the origin of red organic-rich material on Ceres. <i>Meteoritics and Planetary Science</i> , 2018 , 53, 1983-1998	2.8	25
106	Asymmetric craters on Vesta: Impact on sloping surfaces. <i>Planetary and Space Science</i> , 2014 , 103, 36-56	2	25

105	Characteristics of organic matter on Ceres from VIR/Dawn high spatial resolution spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 2407-2421	4.3	25
104	High-resolution Ceres Low Altitude Mapping Orbit Atlas derived from Dawn Framing Camera images. <i>Planetary and Space Science</i> , 2017 , 140, 74-79	2	24
103	The geological nature of dark material on Vesta and implications for the subsurface structure. <i>Icarus</i> , 2014 , 240, 3-19	3.8	24
102	Mass-wasting features and processes in Vesta's south polar basin Rheasilvia. <i>Journal of Geophysical Research E: Planets</i> , 2013 , 118, 2279-2294	4.1	24
101	Recent cryovolcanic activity at Occator crater on Ceres. <i>Nature Astronomy</i> , 2020 , 4, 794-801	12.1	24
100	The varied sources of faculae-forming brines in Ceres' Occator crater emplaced via hydrothermal brine effusion. <i>Nature Communications</i> , 2020 , 11, 3680	17.4	23
99	The central pit and dome at Cerealia Facula bright deposit and floor deposits in Occator crater, Ceres: Morphology, comparisons and formation. <i>Icarus</i> , 2019 , 320, 159-187	3.8	22
98	The geology of the Kerwan quadrangle of dwarf planet Ceres: Investigating Ceres' oldest, largest impact basin. <i>Icarus</i> , 2018 , 316, 99-113	3.8	22
97	The geology of the occator quadrangle of dwarf planet Ceres: Floor-fractured craters and other geomorphic evidence of cryomagmatism. <i>Icarus</i> , 2018 , 316, 128-139	3.8	20
96	High-resolution Vesta Low Altitude Mapping Orbit Atlas derived from Dawn Framing Camera images. <i>Planetary and Space Science</i> , 2013 , 85, 293-298	2	20
95	Geomorphology and structural geology of Saturnalia Fossae and adjacent structures in the northern hemisphere of Vesta. <i>Icarus</i> , 2014 , 244, 23-40	3.8	20
94	Ceres's global and localized mineralogical composition determined by Dawn's Visible and Infrared Spectrometer (VIR). <i>Meteoritics and Planetary Science</i> , 2018 , 53, 1844-1865	2.8	19
93	Evidence of non-uniform crust of Ceres from Dawn's high-resolution gravity data. <i>Nature Astronomy</i> , 2020 , 4, 748-755	12.1	19
92	An investigation of the bluish material on Ceres. <i>Geophysical Research Letters</i> , 2017 , 44, 1660	4.9	18
91	Spectrophotometric modeling and mapping of Ceres. <i>Icarus</i> , 2019 , 322, 144-167	3.8	18
90	Geologic mapping of the Urvara and Yalode Quadrangles of Ceres. <i>Icarus</i> , 2018 , 316, 167-190	3.8	18
89	Mineralogical and spectral analysis of Vesta's Gegania and Lucaria quadrangles and comparative analysis of their key features. <i>Icarus</i> , 2015 , 259, 72-90	3.8	17
88	Mineralogy and temperature of crater Haulani on Ceres. <i>Meteoritics and Planetary Science</i> , 2018 , 53, 1902-1924	3.8	17

87	The chronostratigraphy of protoplanet Vesta. <i>Icarus</i> , 2014 , 244, 158-165	3.8	17
86	Harmonic and statistical analyses of the gravity and topography of Vesta. <i>Icarus</i> , 2014 , 240, 161-173	3.8	17
85	The Putative Cerean Exosphere. <i>Astrophysical Journal</i> , 2017 , 850, 85	4.7	16
84	Ceres Occator crater and its faculae explored through geologic mapping. <i>Icarus</i> , 2019 , 320, 7-23	3.8	16
83	Ceres Ezinu quadrangle: a heavily cratered region with evidence for localized subsurface water ice and the context of Occator crater. <i>Icarus</i> , 2018 , 316, 46-62	3.8	16
82	The Ac-5 (Fejokoo) quadrangle of Ceres: Geologic map and geomorphological evidence for ground ice mediated surface processes. <i>Icarus</i> , 2018 , 316, 63-83	3.8	15
81	Water Vapor Contribution to Ceres' Exosphere From Observed Surface Ice and Postulated Ice-Exposing Impacts. <i>Journal of Geophysical Research E: Planets</i> , 2019 , 124, 61-75	4.1	15
80	Mineralogical mapping of Coniraya quadrangle of the dwarf planet Ceres. <i>Icarus</i> , 2019 , 318, 99-110	3.8	15
79	Ceres internal structure from geophysical constraints. <i>Meteoritics and Planetary Science</i> , 2018 , 53, 1999-2007	3.8	14
78	The unique geomorphology and structural geology of the Haulani crater of dwarf planet Ceres as revealed by geological mapping of equatorial quadrangle Ac-6 Haulani. <i>Icarus</i> , 2018 , 316, 84-98	3.8	14
77	Tectonic analysis of fracturing associated with occator crater. <i>Icarus</i> , 2019 , 320, 49-59	3.8	14
76	Mineralogical analysis of the Oppia quadrangle of asteroid (4) Vesta: Evidence for occurrence of moderate-reflectance hydrated minerals. <i>Icarus</i> , 2015 , 259, 129-149	3.8	14
75	Synthesis of the special issue: The formation and evolution of Ceres Occator crater. <i>Icarus</i> , 2019 , 320, 213-225	3.8	14
74	Morphological Indicators of a Mascon Beneath Ceres's Largest Crater, Kerwan. <i>Geophysical Research Letters</i> , 2018 , 45, 1297-1304	4.9	13
73	Geologic mapping of the Ac-2 Coniraya quadrangle of Ceres from NASA's Dawn mission: Implications for a heterogeneously composed crust. <i>Icarus</i> , 2018 , 316, 28-45	3.8	13
72	Impact heat driven volatile redistribution at Occator crater on Ceres as a comparative planetary process. <i>Nature Communications</i> , 2020 , 11, 3679	17.4	13
71	Ceres partial differentiation: undifferentiated crust mixing with a water-rich mantle. <i>Astronomy and Astrophysics</i> , 2020 , 633, A117	5.1	12
70	Compositional control on impact crater formation on mid-sized planetary bodies: Dawn at Ceres and Vesta, Cassini at Saturn. <i>Icarus</i> , 2021 , 359, 114343	3.8	12

69	Photometry of Ceres and Occator faculae as inferred from VIR/Dawn data. <i>Icarus</i> , 2019 , 320, 97-109	3.8	12
68	Fluidized Appearing Ejecta on Ceres: Implications for the Mechanical Properties, Frictional Properties, and Composition of its Shallow Subsurface. <i>Journal of Geophysical Research E: Planets</i> , 2019 , 124, 1819-1839	4.1	11
67	Floor-Fractured Craters on Ceres and Implications for Interior Processes. <i>Journal of Geophysical Research E: Planets</i> , 2018 , 123, 3188-3204	4.1	11
66	Dome formation on Ceres by solid-state flow analogous to terrestrial salt tectonics. <i>Nature Geoscience</i> , 2019 , 12, 797-801	18.3	10
65	Relict Ocean Worlds: Ceres. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	10
64	Landslides on Ceres: Diversity and Geologic Context. <i>Journal of Geophysical Research E: Planets</i> , 2019 , 124, 3329-3343	4.1	10
63	Spectral analysis of the quadrangles Av-13 and Av-14 on Vesta. <i>Icarus</i> , 2015 , 259, 181-193	3.8	9
62	Post-impact cryo-hydrologic formation of small mounds and hills in Ceres' Occator crater. <i>Nature Geoscience</i> , 2020 , 13, 605-610	18.3	9
61	Mineralogical analysis of the Ac-H-6 Haulani quadrangle of the dwarf planet Ceres. <i>Icarus</i> , 2019 , 318, 170-187	3.8	9
60	Ceres' opposition effect observed by the Dawn framing camera. <i>Astronomy and Astrophysics</i> , 2018 , 620, A201	5.1	9
59	Landslides on Ceres: Inferences Into Ice Content and Layering in the Upper Crust. <i>Journal of Geophysical Research E: Planets</i> , 2019 , 124, 1512	4.1	8
58	Global variations in regolith properties on asteroid Vesta from Dawn's low-altitude mapping orbit. <i>Meteoritics and Planetary Science</i> , 2016 , 51, 2366-2386	2.8	8
57	An endogenic origin of cerean organics. <i>Earth and Planetary Science Letters</i> , 2020 , 534, 116069	5.3	7
56	The spectral parameter maps of Ceres from NASA/DAWN VIR data. <i>Icarus</i> , 2019 , 318, 14-21	3.8	7
55	Mineralogy of the Occator quadrangle. <i>Icarus</i> , 2019 , 318, 205-211	3.8	7
54	High Thermal Inertia Zones on Ceres From Dawn Data. <i>Journal of Geophysical Research E: Planets</i> , 2020 , 125, e2018JE005733	4.1	7
53	Dantu's mineralogical properties: A view into the composition of Ceres' crust. <i>Meteoritics and Planetary Science</i> , 2018 , 53, 1866-1883	2.8	7
52	The Coriolis effect on mass wasting during the Rheasilvia impact on asteroid Vesta. <i>Geophysical Research Letters</i> , 2016 , 43, 12,340	4.9	6

51	Ceres Impact craters Relationships between surface composition and geology. <i>Icarus</i> , 2019 , 318, 56-74	3.8	6
50	Ceres observed at low phase angles by VIR-Dawn. <i>Astronomy and Astrophysics</i> , 2020 , 634, A39	5.1	5
49	The surface of (1) Ceres in visible light as seen by Dawn/VIR. <i>Astronomy and Astrophysics</i> , 2020 , 642, A74	5.1	5
48	Normal Faults on Ceres: Insights Into the Mechanical Properties and Thermal History of Nar Sulcus. <i>Geophysical Research Letters</i> , 2019 , 46, 80-88	4.9	5
47	Ac-H-11 Sintana and Ac-H-12 Toharu quadrangles: Assessing the large and small scale heterogeneities of Ceres surface. <i>Icarus</i> , 2019 , 318, 230-240	3.8	5
46	Mineralogical analysis of quadrangle Ac-H-10 Rongo on the dwarf planet Ceres. <i>Icarus</i> , 2019 , 318, 212-229	3.8	5
45	Mineralogical mapping of the Kerwan quadrangle on Ceres. <i>Icarus</i> , 2019 , 318, 188-194	3.8	5
44	Mineralogy of the Urvara Alode region on Ceres. <i>Icarus</i> , 2019 , 318, 241-250	3.8	5
43	The Boulder Population of Asteroid 4 Vesta: Size-Frequency Distribution and Survival Time. <i>Earth and Space Science</i> , 2021 , 8, e2019EA000941	3.1	5
42	Global and local re-impact and velocity regime of ballistic ejecta of boulder craters on Ceres. <i>Planetary and Space Science</i> , 2018 , 153, 142-156	2	4
41	Spectral analysis of the Cerean geological unit crater central peak material as an indicator of subsurface mineral composition. <i>Icarus</i> , 2019 , 318, 75-98	3.8	4
40	Organic Material on Ceres: Insights from Visible and Infrared Space Observations. <i>Life</i> , 2020 , 11,	3	4
39	Introduction to the special issue: The formation and evolution of Ceres Occator crater. <i>Icarus</i> , 2019 , 320, 1-6	3.8	4
38	The surface composition of Ceres Ezinu quadrangle analyzed by the Dawn mission. <i>Icarus</i> , 2019 , 318, 124-146	3.8	4
37	Ceres Spectral link to carbonaceous chondrites Analysis of the dark background materials. <i>Meteoritics and Planetary Science</i> , 2018 , 53, 1925-1945	2.8	4
36	Fracture geometry and statistics of Ceres floor fractures. <i>Planetary and Space Science</i> , 2020 , 187, 104955	5.2	3
35	Geology of Ceres North Pole quadrangle with Dawn FC imaging data. <i>Icarus</i> , 2018 , 316, 14-27	3.8	3
34	A Brief History of Spacecraft Missions to Asteroids and Protoplanets 2018 , 1-57		3

33	The geology of the Nawish quadrangle of Ceres: The rim of an ancient basin. <i>Icarus</i> , 2018 , 316, 114-127	3.8	3
32	THE FORMATION AND EVOLUTION OF BRIGHT SPOTS ON CERES 2017 ,		3
31	Feasibility of characterizing subsurface brines on Ceres by electromagnetic sounding. <i>Icarus</i> , 2021 , 362, 114424	3.8	3
30	Spectral investigation of quadrangle AC-H 3 of the dwarf planet Ceres □The region of impact crater Dantu. <i>Icarus</i> , 2019 , 318, 111-123	3.8	3
29	Geologic mapping of the Ac-11 Sintana quadrangle: Assessing diverse crater morphologies. <i>Icarus</i> , 2018 , 316, 154-166	3.8	3
28	Concepts for the Future Exploration of Dwarf Planet Ceres□Habitability. <i>Planetary Science Journal</i> , 2022 , 3, 41	2.9	3
27	Ring-Mold Craters on Ceres: Evidence for Shallow Subsurface Water Ice Sources. <i>Geophysical Research Letters</i> , 2018 , 45, 8121-8128	4.9	2
26	A Long-Lived Planetesimal Dynamo Powered by Core Crystallization. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091917	4.9	2
25	The Brittle Boulders of Dwarf Planet Ceres. <i>Planetary Science Journal</i> , 2021 , 2, 111	2.9	2
24	The mineralogy of Ceres□Nawish quadrangle. <i>Icarus</i> , 2019 , 318, 195-204	3.8	1
23	Influence of Volatiles on Mass Wasting Processes on Vesta and Ceres. <i>Journal of Geophysical Research E: Planets</i> , 2021 , 126, e2020JE006573	4.1	1
22	Asymmetric Craters on the Dwarf Planet Ceres□Results of Second Extended Mission Data Analysis. <i>Geosciences (Switzerland)</i> , 2019 , 9, 475	2.7	1
21	Mineralogy mapping of the Ac-H-5 Fejokoo quadrangle of Ceres. <i>Icarus</i> , 2019 , 318, 147-169	3.8	1
20	A young age of formation of Rheasilvia basin on Vesta from floor deformation patterns and crater counts. <i>Meteoritics and Planetary Science</i> , 2022 , 57, 22-47	2.8	1
19	Distinguishing the Origin of Asteroid (16) Psyche.. <i>Space Science Reviews</i> , 2022 , 218, 17	7.5	1
18	Replenishment of Near-Surface Water Ice by Impacts Into Ceres' Volatile-Rich Crust: Observations by Dawn's Gamma Ray and Neutron Detector. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094223	4.9	0
17	The unique spectral and geomorphological characteristics of pitted impact deposits associated with Marcia crater on Vesta. <i>Icarus</i> , 2021 , 369, 114633	3.8	0
16	Science Drivers for the Future Exploration of Ceres: From Solar System Evolution to Ocean World Science. <i>Planetary Science Journal</i> , 2022 , 3, 64	2.9	0

- 15 Origin and Dynamical Evolution of the Asteroid Belt **2022**, 227-249 ○
- 14 The Psyche Topography and Geomorphology Investigation. *Space Science Reviews*, **2022**, 218, 1 7.5 ○
- 13 Formation of Ejecta and Dust Pond Deposits on Asteroid Vesta. *Journal of Geophysical Research E: Planets*, **2021**, 126, e2021JE006873 4.1
- 12 Thermal inertia of Occator's faculae on Ceres. *Planetary and Space Science*, **2021**, 205, 105285 2
- 11 Carbon and Organic Matter on Ceres **2022**, 121-133
- 10 Geomorphology of Ceres **2022**, 143-158
- 9 Ceres Surface Composition **2022**, 105-120
- 8 Collisional Evolution of the Main Belt as Recorded by Vesta **2022**, 250-261
- 7 Ammonia on Ceres **2022**, 134-142
- 6 Geophysics of Vesta and Ceres **2022**, 173-196
- 5 Remote Observations of the Main Belt **2022**, 3-25
- 4 Geomorphology of Vesta **2022**, 67-80
- 3 Isotopic Constraints on the Formation of the Main Belt **2022**, 212-226
- 2 Ceres Internal Evolution **2022**, 159-172
- 1 Exploring Vesta and Ceres **2022**, 26-38