

Carol A Raymond

List of Publications by Year in descending order

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198
papers

9,281
citations

36203

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201
docs citations

201
times ranked

2734
citing authors

#	ARTICLE	IF	CITATIONS
1	Dawn at Vesta: Testing the Protoplanetary Paradigm. <i>Science</i> , 2012, 336, 684-686.	6.0	422
2	Ammoniated phyllosilicates with a likely outer Solar System origin on (1) Ceres. <i>Nature</i> , 2015, 528, 241-244.	13.7	276
3	Spectroscopic Characterization of Mineralogy and Its Diversity Across Vesta. <i>Science</i> , 2012, 336, 697-700.	6.0	240
4	Bright carbonate deposits as evidence of aqueous alteration on (1) Ceres. <i>Nature</i> , 2016, 536, 54-57.	13.7	240
5	Vesta's Shape and Morphology. <i>Science</i> , 2012, 336, 687-690.	6.0	222
6	The Violent Collisional History of Asteroid 4 Vesta. <i>Science</i> , 2012, 336, 690-694.	6.0	209
7	Elemental Mapping by Dawn Reveals Exogenic H in Vesta's Regolith. <i>Science</i> , 2012, 338, 242-246.	6.0	201
8	The Geologically Recent Giant Impact Basins at Vesta's South Pole. <i>Science</i> , 2012, 336, 694-697.	6.0	194
9	The Dawn Mission to Vesta and Ceres. <i>Space Science Reviews</i> , 2011, 163, 3-23.	3.7	184
10	Dawn arrives at Ceres: Exploration of a small, volatile-rich world. <i>Science</i> , 2016, 353, 1008-1010.	6.0	178
11	A partially differentiated interior for (1) Ceres deduced from its gravity field and shape. <i>Nature</i> , 2016, 537, 515-517.	13.7	169
12	Extensive water ice within Ceres' aqueously altered regolith: Evidence from nuclear spectroscopy. <i>Science</i> , 2017, 355, 55-59.	6.0	169
13	Color and Albedo Heterogeneity of Vesta from Dawn. <i>Science</i> , 2012, 336, 700-704.	6.0	166
14	Cryovolcanism on Ceres. <i>Science</i> , 2016, 353, .	6.0	164
15	Distribution of phyllosilicates on the surface of Ceres. <i>Science</i> , 2016, 353, .	6.0	159
16	Localized aliphatic organic material on the surface of Ceres. <i>Science</i> , 2017, 355, 719-722.	6.0	152
17	Dark material on Vesta from the infall of carbonaceous volatile-rich material. <i>Nature</i> , 2012, 491, 83-86.	13.7	151
18	Cratering on Ceres: Implications for its crust and evolution. <i>Science</i> , 2016, 353, .	6.0	135

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19	Detection of local H ₂ O exposed at the surface of Ceres. <i>Science</i> , 2016, 353, .	6.0	128
20	Dawn Mission to Vesta and Ceres. <i>Earth, Moon and Planets</i> , 2007, 101, 65-91.	0.3	125
21	Composition and structure of the shallow subsurface of Ceres revealed by crater morphology. <i>Nature Geoscience</i> , 2016, 9, 538-542.	5.4	118
22	DETECTION OF WIDESPREAD HYDRATED MATERIALS ON VESTA BY THE VIR IMAGING SPECTROMETER ON BOARD THE <i>DAWN</i> MISSION. <i>Astrophysical Journal Letters</i> , 2012, 758, L36.	3.0	117
23	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.	1.5	117
24	The interior structure of Ceres as revealed by surface topography. <i>Earth and Planetary Science Letters</i> , 2017, 476, 153-164.	1.8	117
25	Sublimation in bright spots on (1) Ceres. <i>Nature</i> , 2015, 528, 237-240.	13.7	116
26	High-velocity collisions from the lunar cataclysm recorded in asteroidal meteorites. <i>Nature Geoscience</i> , 2013, 6, 303-307.	5.4	113
27	The geomorphology of Ceres. <i>Science</i> , 2016, 353, .	6.0	109
28	Dawn: A journey in space and time. <i>Planetary and Space Science</i> , 2004, 52, 465-489.	0.9	100
29	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.	1.1	98
30	Pitted Terrain on Vesta and Implications for the Presence of Volatiles. <i>Science</i> , 2012, 338, 246-249.	6.0	91
31	Vesta's mineralogical composition as revealed by the visible and infrared spectrometer on Dawn. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2166-2184.	0.7	87
32	The missing large impact craters on Ceres. <i>Nature Communications</i> , 2016, 7, 12257.	5.8	84
33	Geomorphological evidence for ground ice on dwarf planet Ceres. <i>Nature Geoscience</i> , 2017, 10, 338-343.	5.4	83
34	Nature, formation, and distribution of carbonates on Ceres. <i>Science Advances</i> , 2018, 4, e1701645.	4.7	83
35	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.	0.9	80
36	Spectral analysis of Ahuna Mons from Dawn mission's visible-infrared spectrometer. <i>Geophysical Research Letters</i> , 2017, 44, 97-104.	1.5	74

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37	Resolved spectrophotometric properties of the Ceres surface from Dawn Framing Camera images. <i>Icarus</i> , 2017, 288, 201-225.	1.1	69
38	Spectrophotometric properties of dwarf planet Ceres from the VIR spectrometer on board the Dawn mission. <i>Astronomy and Astrophysics</i> , 2017, 598, A130.	2.1	69
39	Chondritic models of 4 Vesta: Implications for geochemical and geophysical properties. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2300-2315.	0.7	66
40	Carbonaceous chondrites as analogs for the composition and alteration of Ceres. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1793-1804.	0.7	65
41	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.	1.1	65
42	Large-scale troughs on Vesta: A signature of planetary tectonics. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	63
43	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.	1.1	63
44	The Dawn Gravity Investigation at Vesta and Ceres. <i>Space Science Reviews</i> , 2011, 163, 461-486.	3.7	62
45	An aqueously altered carbon-rich Ceres. <i>Nature Astronomy</i> , 2019, 3, 140-145.	4.2	62
46	Fresh emplacement of hydrated sodium chloride on Ceres from ascending salty fluids. <i>Nature Astronomy</i> , 2020, 4, 786-793.	4.2	60
47	Resolved photometry of Vesta reveals physical properties of crater regolith. <i>Planetary and Space Science</i> , 2013, 85, 198-213.	0.9	59
48	Geologic mapping of Vesta. <i>Planetary and Space Science</i> , 2014, 103, 2-23.	0.9	55
49	Constraints on Vesta's interior structure using gravity and shape models from the Dawn mission. <i>Icarus</i> , 2014, 240, 146-160.	1.1	55
50	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.	1.1	55
51	Small crater populations on Vesta. <i>Planetary and Space Science</i> , 2014, 103, 96-103.	0.9	54
52	High-resolution Ceres High Altitude Mapping Orbit atlas derived from Dawn Framing Camera images. <i>Planetary and Space Science</i> , 2016, 129, 103-107.	0.9	54
53	Thermal measurements of dark and bright surface features on Vesta as derived from Dawn/VIR. <i>Icarus</i> , 2014, 240, 36-57.	1.1	52
54	The permanently shadowed regions of dwarf planet Ceres. <i>Geophysical Research Letters</i> , 2016, 43, 6783-6789.	1.5	52

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55	High resolution Vesta High Altitude Mapping Orbit (HAMO) Atlas derived from Dawn framing camera images. Planetary and Space Science, 2012, 73, 283-286.	0.9	51
56	High-resolution shape model of Ceres from stereophotoclinometry using Dawn Imaging Data. Icarus, 2019, 319, 812-827.	1.1	51
57	Impact-driven mobilization of deep crustal brines on dwarf planet Ceres. Nature Astronomy, 2020, 4, 741-747.	4.2	50
58	Mass movement on Vesta at steep scarps and crater rims. Icarus, 2014, 244, 120-132.	1.1	49
59	Cryogenic flow features on Ceres: Implications for crater-related cryovolcanism. Geophysical Research Letters, 2016, 43, 11,994.	1.5	48
60	Pitted terrains on (1) Ceres and implications for shallow subsurface volatile distribution. Geophysical Research Letters, 2017, 44, 6570-6578.	1.5	48
61	Neutron absorption constraints on the composition of 4 Vesta. Meteoritics and Planetary Science, 2013, 48, 2211-2236.	0.7	47
62	The formation and evolution of bright spots on Ceres. Icarus, 2019, 320, 188-201.	1.1	47
63	Exposed H ₂ O-rich areas detected on Ceres with the dawn visible and infrared mapping spectrometer. Icarus, 2019, 318, 22-41.	1.1	47
64	Vesta surface thermal properties map. Geophysical Research Letters, 2014, 41, 1438-1443.	1.5	46
65	The Dawn Topography Investigation. Space Science Reviews, 2011, 163, 487-510.	3.7	44
66	Variations in the amount of water ice on Ceres's surface suggest a seasonal water cycle. Science Advances, 2018, 4, eaao3757.	4.7	43
67	Ceres: Astrobiological Target and Possible Ocean World. Astrobiology, 2020, 20, 269-291.	1.5	43
68	Lobate and flow-like features on asteroid Vesta. Planetary and Space Science, 2014, 103, 24-35.	0.9	42
69	Geomorphological evidence for transient water flow on Vesta. Earth and Planetary Science Letters, 2015, 411, 151-163.	1.8	42
70	SURFACE ALBEDO AND SPECTRAL VARIABILITY OF CERES. Astrophysical Journal Letters, 2016, 817, L22.	3.0	42
71	Slurry extrusion on Ceres from a convective mud-bearing mantle. Nature Geoscience, 2019, 12, 505-509.	5.4	42
72	Bright carbonate surfaces on Ceres as remnants of salt-rich water fountains. Icarus, 2019, 320, 39-48.	1.1	42

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73	Constraining the cratering chronology of Vesta. <i>Planetary and Space Science</i> , 2014, 103, 131-142.	0.9	41
74	The Dependence of the Cerean Exosphere on Solar Energetic Particle Events. <i>Astrophysical Journal Letters</i> , 2017, 838, L8.	3.0	41
75	The varied sources of faculae-forming brines in Ceres's Occator crater emplaced via hydrothermal brine effusion. <i>Nature Communications</i> , 2020, 11, 3680.	5.8	41
76	Conditions for Sublimating Water Ice to Supply Ceres' Exosphere. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1984-1995.	1.5	40
77	The various ages of Occator crater, Ceres: Results of a comprehensive synthesis approach. <i>Icarus</i> , 2019, 320, 60-82.	1.1	38
78	The geology of the Marcia quadrangle of asteroid Vesta: Assessing the effects of large, young craters. <i>Icarus</i> , 2014, 244, 74-88.	1.1	36
79	Timing of optical maturation of recently exposed material on Ceres. <i>Geophysical Research Letters</i> , 2016, 43, 11,987.	1.5	35
80	Asymmetric craters on Vesta: Impact on sloping surfaces. <i>Planetary and Space Science</i> , 2014, 103, 36-56.	0.9	34
81	Detection of serpentine in exogenic carbonaceous chondrite material on Vesta from Dawn FC data. <i>Icarus</i> , 2014, 239, 222-237.	1.1	34
82	Geologic constraints on the origin of red organic-rich material on Ceres. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1983-1998.	0.7	34
83	Elemental composition and mineralogy of Vesta and Ceres: Distribution and origins of hydrogen-bearing species. <i>Icarus</i> , 2019, 318, 42-55.	1.1	34
84	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.	1.5	33
85	Compositional differences among Bright Spots on the Ceres surface. <i>Icarus</i> , 2019, 320, 202-212.	1.1	33
86	Recent cryovolcanic activity at Occator crater on Ceres. <i>Nature Astronomy</i> , 2020, 4, 794-801.	4.2	32
87	Ceres Survey Atlas derived from Dawn Framing Camera images. <i>Planetary and Space Science</i> , 2016, 121, 115-120.	0.9	31
88	Evidence for the Interior Evolution of Ceres from Geologic Analysis of Fractures. <i>Geophysical Research Letters</i> , 2017, 44, 9564-9572.	1.5	31
89	Mass-wasting features and processes in Vesta's south polar basin's Rheasilvia. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 2279-2294.	1.5	30
90	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.	1.6	30

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91	Evidence of non-uniform crust of Ceres from Dawn's high-resolution gravity data. <i>Nature Astronomy</i> , 2020, 4, 748-755.	4.2	30
92	Geologic map of the northern hemisphere of Vesta based on Dawn Framing Camera (FC) images. <i>Icarus</i> , 2014, 244, 41-59.	1.1	29
93	An investigation of the bluish material on Ceres. <i>Geophysical Research Letters</i> , 2017, 44, 1660-1668.	1.5	29
94	High-resolution Ceres Low Altitude Mapping Orbit Atlas derived from Dawn Framing Camera images. <i>Planetary and Space Science</i> , 2017, 140, 74-79.	0.9	29
95	Ceres's obliquity history and its implications for the permanently shadowed regions. <i>Geophysical Research Letters</i> , 2017, 44, 2652-2661.	1.5	29
96	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.	0.7	29
97	The geological nature of dark material on Vesta and implications for the subsurface structure. <i>Icarus</i> , 2014, 240, 3-19.	1.1	28
98	The geology of the Kerwan quadrangle of dwarf planet Ceres: Investigating Ceres's oldest, largest impact basin. <i>Icarus</i> , 2018, 316, 99-113.	1.1	28
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.	1.1	28
100	Geomorphology and structural geology of Saturnalia Fossae and adjacent structures in the northern hemisphere of Vesta. <i>Icarus</i> , 2014, 244, 23-40.	1.1	27
101	Morphology and formation ages of mid-sized post-Rheasilvia craters in the Geology of quadrangle Tuccia, Vesta. <i>Icarus</i> , 2014, 244, 133-157.	1.1	27
102	High-resolution Vesta Low Altitude Mapping Orbit Atlas derived from Dawn Framing Camera images. <i>Planetary and Space Science</i> , 2013, 85, 293-298.	0.9	26
103	The chronostratigraphy of protoplanet Vesta. <i>Icarus</i> , 2014, 244, 158-165.	1.1	26
104	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.	1.1	26
105	Ceres's Occator crater and its faculae explored through geologic mapping. <i>Icarus</i> , 2019, 320, 7-23.	1.1	25
106	Geologic mapping of the Urvara and Yalode Quadrangles of Ceres. <i>Icarus</i> , 2018, 316, 167-190.	1.1	23
107	Mineralogy and temperature of crater Haulani on Ceres. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1902-1924.	0.7	21
108	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.	1.1	21

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109	Ceresâ€™ 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.	1.1	21
110	Tectonic analysis of fracturing associated with occator crater. <i>Icarus</i> , 2019, 320, 49-59.	1.1	21
111	Spectrophotometric modeling and mapping of Ceres. <i>Icarus</i> , 2019, 322, 144-167.	1.1	21
112	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.	1.1	20
113	Water Vapor Contribution to Ceres' Exosphere From Observed Surface Ice and Postulated Iceâ€™Exposing Impacts. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 61-75.	1.5	20
114	Mineralogical mapping of Coniraya quadrangle of the dwarf planet Ceres. <i>Icarus</i> , 2019, 318, 99-110.	1.1	20
115	Mineralogical and spectral analysis of Vestaâ€™s Gegania and Lucaria quadrangles and comparative analysis of their key features. <i>Icarus</i> , 2015, 259, 72-90.	1.1	19
116	The Putative Cerean Exosphere. <i>Astrophysical Journal</i> , 2017, 850, 85.	1.6	19
117	Ceres internal structure from geophysical constraints. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1999-2007.	0.7	19
118	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.	1.1	19
119	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.	1.5	19
120	Impact heat driven volatile redistribution at Occator crater on Ceres as a comparative planetary process. <i>Nature Communications</i> , 2020, 11, 3679.	5.8	19
121	Harmonic and statistical analyses of the gravity and topography of Vesta. <i>Icarus</i> , 2014, 240, 161-173.	1.1	18
122	Synthesis of the special issue: The formation and evolution of Ceresâ€™ Occator crater. <i>Icarus</i> , 2019, 320, 213-225.	1.1	17
123	Photometry of Ceres and Occator faculae as inferred from VIR/Dawn data. <i>Icarus</i> , 2019, 320, 97-109.	1.1	17
124	Ceresâ€™ partial differentiation: undifferentiated crust mixing with a water-rich mantle. <i>Astronomy and Astrophysics</i> , 2020, 633, A117.	2.1	17
125	The Boulder Population of Asteroid 4 Vesta: Sizeâ€™Frequency Distribution and Survival Time. <i>Earth and Space Science</i> , 2021, 8, e2019EA000941.	1.1	17
126	Dome formation on Ceres by solid-state flow analogous to terrestrial salt tectonics. <i>Nature Geoscience</i> , 2019, 12, 797-801.	5.4	16

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127	Landslides on Ceres: Inferences Into Ice Content and Layering in the Upper Crust. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1512-1524.	1.5	16
128	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.	1.1	15
129	Morphological Indicators of a Mascon Beneath Ceres's Largest Crater, Kerwan. <i>Geophysical Research Letters</i> , 2018, 45, 1297-1304.	1.5	15
130	Post-impact cryo-hydrologic formation of small mounds and hills in Ceres's Occator crater. <i>Nature Geoscience</i> , 2020, 13, 605-610.	5.4	15
131	Landslides on Ceres: Diversity and Geologic Context. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3329-3343.	1.5	14
132	Relict Ocean Worlds: Ceres. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	14
133	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.	1.1	14
134	Floor-Fractured Craters on Ceres and Implications for Interior Processes. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 3188-3204.	1.5	13
135	Distinguishing the Origin of Asteroid (16) Psyche. <i>Space Science Reviews</i> , 2022, 218, 17.	3.7	13
136	An endogenic origin of cerean organics. <i>Earth and Planetary Science Letters</i> , 2020, 534, 116069.	1.8	12
137	Organic Material on Ceres: Insights from Visible and Infrared Space Observations. <i>Life</i> , 2021, 11, 9.	1.1	12
138	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.	0.7	11
139	Mineralogical analysis of the Ac-H-6 Haulani quadrangle of the dwarf planet Ceres. <i>Icarus</i> , 2019, 318, 170-187.	1.1	11
140	Mineralogy of the Occator quadrangle. <i>Icarus</i> , 2019, 318, 205-211.	1.1	11
141	Ceres's impact craters: Relationships between surface composition and geology. <i>Icarus</i> , 2019, 318, 56-74.	1.1	11
142	The Coriolis effect on mass wasting during the Rheasilvia impact on asteroid Vesta. <i>Geophysical Research Letters</i> , 2016, 43, 12,340.	1.5	10
143	Dantu's mineralogical properties: A view into the composition of Ceres' crust. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1866-1883.	0.7	10
144	The Brittle Boulders of Dwarf Planet Ceres. <i>Planetary Science Journal</i> , 2021, 2, 111.	1.5	10

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145	Spectral analysis of the quadrangles Av-13 and Av-14 on Vesta. <i>Icarus</i> , 2015, 259, 181-193.	1.1	9
146	Ceres's opposition effect observed by the Dawn framing camera. <i>Astronomy and Astrophysics</i> , 2018, 620, A201.	2.1	9
147	The spectral parameter maps of Ceres from NASA/DAWN VIR data. <i>Icarus</i> , 2019, 318, 14-21.	1.1	9
148	Ac-H-11 Sintana and Ac-H-12 Toharu quadrangles: Assessing the large and small scale heterogeneities of Ceres's surface. <i>Icarus</i> , 2019, 318, 230-240.	1.1	9
149	High Thermal Inertia Zones on Ceres From Dawn Data. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2018JE005733.	1.5	9
150	Concepts for the Future Exploration of Dwarf Planet Ceres's Habitability. <i>Planetary Science Journal</i> , 2022, 3, 41.	1.5	9
151	Origin and Dynamical Evolution of the Asteroid Belt. , 2022, , 227-249.		9
152	Mineralogical analysis of quadrangle Ac-H-10 Rongo on the dwarf planet Ceres. <i>Icarus</i> , 2019, 318, 212-229.	1.1	8
153	Mineralogical mapping of the Kerwan quadrangle on Ceres. <i>Icarus</i> , 2019, 318, 188-194.	1.1	8
154	Ceres observed at low phase angles by VIR-Dawn. <i>Astronomy and Astrophysics</i> , 2020, 634, A39.	2.1	8
155	The surface of (1) Ceres in visible light as seen by Dawn/VIR. <i>Astronomy and Astrophysics</i> , 2020, 642, A74.	2.1	8
156	Geologic mapping of the Ac-11 Sintana quadrangle: Assessing diverse crater morphologies. <i>Icarus</i> , 2018, 316, 154-166.	1.1	7
157	Normal Faults on Ceres: Insights Into the Mechanical Properties and Thermal History of Nar Sulcus. <i>Geophysical Research Letters</i> , 2019, 46, 80-88.	1.5	7
158	Introduction to the special issue: The formation and evolution of Ceres's Occator crater. <i>Icarus</i> , 2019, 320, 1-6.	1.1	7
159	Feasibility of characterizing subsurface brines on Ceres by electromagnetic sounding. <i>Icarus</i> , 2021, 362, 114424.	1.1	7
160	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.	0.9	6
161	Geology of Ceres's North Pole quadrangle with Dawn FC imaging data. <i>Icarus</i> , 2018, 316, 14-27.	1.1	6
162	Ceres's spectral link to carbonaceous chondrites' Analysis of the dark background materials. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1925-1945.	0.7	6

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163	The geology of the Nawish quadrangle of Ceres: The rim of an ancient basin. <i>Icarus</i> , 2018, 316, 114-127.	1.1	6
164	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.	1.1	6
165	Mineralogy of the Urvaraâ€“Yalode region on Ceres. <i>Icarus</i> , 2019, 318, 241-250.	1.1	6
166	The surface composition of Ceresâ€™ Ezinu quadrangle analyzed by the Dawn mission. <i>Icarus</i> , 2019, 318, 124-146.	1.1	6
167	A Longâ€“Lived Planetesimal Dynamo Powered by Core Crystallization. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091917.	1.5	6
168	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.	0.7	6
169	Spectral investigation of quadrangle AC-H 3 of the dwarf planet Ceres â€“ The region of impact crater Dantu. <i>Icarus</i> , 2019, 318, 111-123.	1.1	5
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