

# Gregory A Neumann

## List of Publications by Year in descending order

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174  
papers

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15880

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176  
docs citations

176  
times ranked

6935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Geodetic investigations of the mission concept MAGIC to reveal Callisto's internal structure. <i>Acta Astronautica</i> , 2022, 195, 68-76.	1.7	5
2	Improved LOLA elevation maps for south pole landing sites: Error estimates and their impact on illumination conditions. <i>Planetary and Space Science</i> , 2021, 203, 105119.	0.9	48
3	Deriving Mercury Geodetic Parameters With Altimetric Crossovers From the Mercury Laser Altimeter (MLA). <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006683.	1.5	9
4	Degassing of volcanic extrusives on Mercury: Potential contributions to transient atmospheres and buried polar deposits. <i>Earth and Planetary Science Letters</i> , 2021, 564, 116907.	1.8	6
5	Rotational states and shapes of Ryugu and Bennu: Implications for interior structure and strength. <i>Planetary and Space Science</i> , 2021, 204, 105268.	0.9	15
6	Analyzing the ages of south polar craters on the Moon: Implications for the sources and evolution of surface water ice.. <i>Icarus</i> , 2020, 336, 113455.	1.1	53
7	High-Resolution Gravity Field Models from GRAIL Data and Implications for Models of the Density Structure of the Moon's Crust. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006086.	1.5	38
8	Digital terrain mapping by the OSIRIS-REx mission. <i>Planetary and Space Science</i> , 2020, 180, 104764.	0.9	81
9	Hemispherical differences in the shape and topography of asteroid (101955) Bennu. <i>Science Advances</i> , 2020, 6, .	4.7	57
10	Temperature-Dependent Changes in the Normal Albedo of the Lunar Surface at 1,064Ånm. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006338.	1.5	4
11	Assessing the Roughness Properties of Circumpolar Lunar Craters: Implications for the Timing of Water-Ice Delivery to the Moon. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087782.	1.5	13
12	First two-way laser ranging to a lunar orbiter: infrared observations from the Grasse station to LRO's retro-reflector array. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	10
13	Searching for Lunar Horizon Glow With the Lunar Orbiter Laser Altimeter. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2728-2744.	1.5	6
14	The thickness of radar-bright deposits in Mercury's northern hemisphere from individual Mercury Laser Altimeter tracks. <i>Icarus</i> , 2019, 323, 40-45.	1.1	10
15	Age constraints of Mercury's polar deposits suggest recent delivery of ice. <i>Earth and Planetary Science Letters</i> , 2019, 520, 26-33.	1.8	19
16	GRAIL-identified gravity anomalies in Oceanus Procellarum: Insight into subsurface impact and magmatic structures on the Moon. <i>Icarus</i> , 2019, 331, 192-208.	1.1	20
17	Geodetic Evidence That Mercury Has A Solid Inner Core. <i>Geophysical Research Letters</i> , 2019, 46, 3625-3633.	1.5	80
18	Shape of (101955) Bennu indicative of a rubble pile with internal stiffness. <i>Nature Geoscience</i> , 2019, 12, 247-252.	5.4	179

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19	Trilogy, a planetary geodesy mission concept for measuring the expansion of the solar system. <i>Planetary and Space Science</i> , 2018, 153, 127-133.	0.9	8
20	Solar system expansion and strong equivalence principle as seen by the NASA MESSENGER mission. <i>Nature Communications</i> , 2018, 9, 289.	5.8	81
21	Constraining the thickness of polar ice deposits on Mercury using the Mercury Laser Altimeter and small craters in permanently shadowed regions. <i>Icarus</i> , 2018, 305, 139-148.	1.1	17
22	Ring faults and ring dikes around the Orientale basin on the Moon. <i>Icarus</i> , 2018, 310, 1-20.	1.1	31
23	Orbit determination of the Lunar Reconnaissance Orbiter: Status after seven years. <i>Planetary and Space Science</i> , 2018, 162, 2-19.	0.9	39
24	Illumination conditions at the lunar poles: Implications for future exploration. <i>Planetary and Space Science</i> , 2018, 162, 170-178.	0.9	53
25	Mercury's Crust and Lithosphere: Structure and Mechanics. , 2018, , 52-84.		9
26	Mercury's Polar Deposits. , 2018, , 346-370.		9
27	In-flight characterization of the lunar orbiter laser altimeter instrument pointing and far-field pattern. <i>Applied Optics</i> , 2018, 57, 7702.	0.9	6
28	Ice in Micro Cold Traps on Mercury: Implications for Age and Origin. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2178-2191.	1.5	19
29	Observational constraints on the identification of shallow lunar magmatism: Insights from floor-fractured craters. <i>Icarus</i> , 2017, 283, 224-231.	1.1	23
30	Evidence for surface water ice in the lunar polar regions using reflectance measurements from the Lunar Orbiter Laser Altimeter and temperature measurements from the Diviner Lunar Radiometer Experiment. <i>Icarus</i> , 2017, 292, 74-85.	1.1	119
31	GRAIL gravity observations of the transition from complex crater to peak-ring basin on the Moon: Implications for crustal structure and impact basin formation. <i>Icarus</i> , 2017, 292, 54-73.	1.1	19
32	New evidence for surface water ice in small-scale cold traps and in three large craters at the north polar region of Mercury from the Mercury Laser Altimeter. <i>Geophysical Research Letters</i> , 2017, 44, 9233-9241.	1.5	37
33	Evidence for a low bulk crustal density for Mars from gravity and topography. <i>Geophysical Research Letters</i> , 2017, 44, 7686-7694.	1.5	82
34	Analysis of one-way laser ranging data to LRO, time transfer and clock characterization. <i>Icarus</i> , 2017, 283, 38-54.	1.1	12
35	Low-amplitude topographic features and textures on the Moon: Initial results from detrended Lunar Orbiter Laser Altimeter (LOLA) topography. <i>Icarus</i> , 2017, 283, 138-145.	1.1	13
36	Summary of the results from the lunar orbiter laser altimeter after seven years in lunar orbit. <i>Icarus</i> , 2017, 283, 70-91.	1.1	116

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37	The laser ranging experiment of the Lunar Reconnaissance Orbiter: Five years of operations and data analysis. <i>Icarus</i> , 2017, 283, 55-69.	1.1	23
38	ICESAT/GLAS Altimetry Measurements: Received Signal Dynamic Range and Saturation Correction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5440-5454.	2.7	22
39	Comparison of areas in shadow from imaging and altimetry in the north polar region of Mercury and implications for polar ice deposits. <i>Icarus</i> , 2016, 280, 158-171.	1.1	40
40	Demonstration of orbit determination for the Lunar Reconnaissance Orbiter using one-way laser ranging data. <i>Planetary and Space Science</i> , 2016, 129, 32-46.	0.9	11
41	Subsurface morphology and scaling of lunar impact basins. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1695-1712.	1.5	37
42	Gravity field of the Orientale basin from the Gravity Recovery and Interior Laboratory Mission. <i>Science</i> , 2016, 354, 438-441.	6.0	38
43	Lunar phase function at 1064Ånm from Lunar Orbiter Laser Altimeter passive and active radiometry. <i>Icarus</i> , 2016, 273, 96-113.	1.1	19
44	Seasonal and static gravity field of Mars from MGS, Mars Odyssey and MRO radio science. <i>Icarus</i> , 2016, 272, 228-245.	1.1	172
45	Improved calibration of reflectance data from the LRO Lunar Orbiter Laser Altimeter (LOLA) and implications for space weathering. <i>Icarus</i> , 2016, 273, 315-328.	1.1	34
46	A new lunar digital elevation model from the Lunar Orbiter Laser Altimeter and SELENE Terrain Camera. <i>Icarus</i> , 2016, 273, 346-355.	1.1	326
47	Baseline Design and Performance Analysis of Laser Altimeter for Korean Lunar Orbiter. <i>Journal of Astronomy and Space Sciences</i> , 2016, 33, 211-219.	0.3	3
48	The low-degree shape of Mercury. <i>Geophysical Research Letters</i> , 2015, 42, 6951-6958.	1.5	36
49	The fractured Moon: Production and saturation of porosity in the lunar highlands from impact cratering. <i>Geophysical Research Letters</i> , 2015, 42, 6939-6944.	1.5	63
50	First <i>MESSENGER</i> orbital observations of Mercury's librations. <i>Geophysical Research Letters</i> , 2015, 42, 7881-7889.	1.5	44
51	Calibration of the Mercury Laser Altimeter on the <i>MESSENGER</i> Spacecraft. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 2860-2874.	2.7	22
52	Lunar impact basins revealed by Gravity Recovery and Interior Laboratory measurements. <i>Science Advances</i> , 2015, 1, e1500852.	4.7	173
53	Deep-seated thrust faults bound the Mare Crisium lunar mascon. <i>Earth and Planetary Science Letters</i> , 2015, 427, 183-190.	1.8	39
54	Simulated recovery of Europa's global shape and tidal Love numbers from altimetry and radio tracking during a dedicated flyby tour. <i>Geophysical Research Letters</i> , 2015, 42, 3166-3173.	1.5	17

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55	Low-altitude magnetic field measurements by MESSENGER reveal Mercury's ancient crustal field. <i>Science</i> , 2015, 348, 892-895.	6.0	89
56	The age of lunar south circumpolar craters Haworth, Shoemaker, Faustini, and Shackleton: Implications for regional geology, surface processes, and volatile sequestration. <i>Icarus</i> , 2015, 255, 70-77.	1.1	36
57	Stratigraphy of the Caloris basin, Mercury: Implications for volcanic history and basin impact melt. <i>Icarus</i> , 2015, 250, 413-429.	1.1	49
58	The global albedo of the Moon at 1064 nm from LOLA. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1665-1679.	1.5	96
59	Kilometer-scale topographic roughness of Mercury: Correlation with geologic features and units. <i>Geophysical Research Letters</i> , 2014, 41, 8245-8251.	1.5	39
60	Detection of the lunar body tide by the Lunar Orbiter Laser Altimeter. <i>Geophysical Research Letters</i> , 2014, 41, 2282-2288.	1.5	45
61	In-flight performance of the Mercury Laser Altimeter laser transmitter. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
62	Images of surface volatiles in Mercury's polar craters acquired by the MESSENGER spacecraft. <i>Geology</i> , 2014, 42, 1051-1054.	2.0	67
63	Illumination conditions at the lunar south pole using high resolution Digital Terrain Models from LOLA. <i>Icarus</i> , 2014, 243, 78-90.	1.1	65
64	Structure and evolution of the lunar Procellarum region as revealed by GRAIL gravity data. <i>Nature</i> , 2014, 514, 68-71.	13.7	85
65	The formation of lunar mascon basins from impact to contemporary form. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 2378-2397.	1.5	57
66	The location of Airy's, the Mars prime meridian reference, from stereo photogrammetric processing of THEMIS IR imaging and digital elevation data. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 2471-2486.	1.5	6
67	Global inventory and characterization of pyroclastic deposits on Mercury: New insights into pyroclastic activity from MESSENGER orbital data. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 635-658.	1.5	79
68	The gravity field, orientation, and ephemeris of Mercury from MESSENGER observations after three years in orbit. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 2417-2436.	1.5	110
69	Lunar interior properties from the GRAIL mission. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1546-1578.	1.5	185
70	High-resolution local gravity model of the south pole of the Moon from GRAIL extended mission data. <i>Geophysical Research Letters</i> , 2014, 41, 3367-3374.	1.5	12
71	Global characteristics of porosity and density stratification within the lunar crust from GRAIL gravity and Lunar Orbiter Laser Altimeter topography data. <i>Geophysical Research Letters</i> , 2014, 41, 1882-1889.	1.5	38
72	GRGM900C: A degree 900 lunar gravity model from GRAIL primary and extended mission data. <i>Geophysical Research Letters</i> , 2014, 41, 3382-3389.	1.5	152

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73	Co-registration of laser altimeter tracks with digital terrain models and applications in planetary science. <i>Planetary and Space Science</i> , 2013, 89, 111-117.	0.9	32
74	The lunar moho and the internal structure of the Moon: A geophysical perspective. <i>Tectonophysics</i> , 2013, 609, 331-352.	0.9	59
75	Asymmetric Distribution of Lunar Impact Basins Caused by Variations in Target Properties. <i>Science</i> , 2013, 342, 724-726.	6.0	103
76	Ancient Igneous Intrusions and Early Expansion of the Moon Revealed by GRAIL Gravity Gradiometry. <i>Science</i> , 2013, 339, 675-678.	6.0	177
77	Gravity Field of the Moon from the Gravity Recovery and Interior Laboratory (GRAIL) Mission. <i>Science</i> , 2013, 339, 668-671.	6.0	389
78	The Crust of the Moon as Seen by GRAIL. <i>Science</i> , 2013, 339, 671-675.	6.0	726
79	Bright and Dark Polar Deposits on Mercury: Evidence for Surface Volatiles. <i>Science</i> , 2013, 339, 296-300.	6.0	197
80	Thermal Stability of Volatiles in the North Polar Region of Mercury. <i>Science</i> , 2013, 339, 300-303.	6.0	119
81	Lunar topographic roughness maps from Lunar Orbiter Laser Altimeter (LOLA) data: Scale dependence and correlation with geologic features and units. <i>Icarus</i> , 2013, 226, 52-66.	1.1	90
82	Simultaneous laser ranging and communication from an Earth-based satellite laser ranging station to the Lunar Reconnaissance Orbiter in lunar orbit. , 2013, , .		6
83	The Origin of Lunar Mascon Basins. <i>Science</i> , 2013, 340, 1552-1555.	6.0	174
84	Space Lidar Developed at the NASA Goddard Space Flight Centerâ€™The First 20 Years. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 1660-1675.	2.3	25
85	Free space laser communication experiments from Earth to the Lunar Reconnaissance Orbiter in lunar orbit. <i>Optics Express</i> , 2013, 21, 1865.	1.7	63
86	Highâ€™degree gravity models from GRAIL primary mission data. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1676-1698.	1.5	114
87	Investigating the origin of candidate lava channels on Mercury with MESSENGER data: Theory and observations. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 471-486.	1.5	38
88	Gravity Field and Internal Structure of Mercury from MESSENGER. <i>Science</i> , 2012, 336, 214-217.	6.0	305
89	Constraints on the volatile distribution within Shackleton crater at the lunar south pole. <i>Nature</i> , 2012, 486, 378-381.	13.7	159
90	Instrument design and in orbit performance of planetary lidars developed at NASA GSFC. , 2012, , .		0

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91	Topography of the Northern Hemisphere of Mercury from MESSENGER Laser Altimetry. <i>Science</i> , 2012, 336, 217-220.	6.0	223
92	Characterization of the morphometry of impact craters hosting polar deposits in Mercury's north polar region. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	17
93	Testing lunar permanently shadowed regions for water ice: LEND results from LRO. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	49
94	Lunar impact basins: Stratigraphy, sequence and ages from superposed impact crater populations measured from Lunar Orbiter Laser Altimeter (LOLA) data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	114
95	The transition from complex craters to multi-ring basins on the Moon: Quantitative geometric properties from Lunar Reconnaissance Orbiter Lunar Orbiter Laser Altimeter (LOLA) data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
96	Lunar floor-fractured craters: Classification, distribution, origin and implications for magmatism and shallow crustal structure. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	99
97	Large impact basins on Mercury: Global distribution, characteristics, and modification history from MESSENGER orbital data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	68
98	Global maps of lunar neutron fluxes from the LEND instrument. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	35
99	Locating the LCROSS Impact Craters. <i>Space Science Reviews</i> , 2012, 167, 71-92.	3.7	11
100	The morphology of craters on Mercury: Results from MESSENGER flybys. <i>Icarus</i> , 2012, 219, 414-427.	1.1	53
101	Orbit determination of the Lunar Reconnaissance Orbiter. <i>Journal of Geodesy</i> , 2012, 86, 193-207.	1.6	117
102	Global surface slopes and roughness of the Moon from the Lunar Orbiter Laser Altimeter. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	149
103	Thickness of proximal ejecta from the Orientale Basin from Lunar Orbiter Laser Altimeter (LOLA) data: Implications for multi-ring basin formation. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	68
104	The transition from complex crater to peak-ring basin on the Moon: New observations from the Lunar Orbiter Laser Altimeter (LOLA) instrument. <i>Icarus</i> , 2011, 214, 377-393.	1.1	74
105	Report of the IAU Working Group on Cartographic Coordinates and Rotational Elements: 2009. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2011, 109, 101-135.	0.5	305
106	Illumination conditions of the lunar polar regions using LOLA topography. <i>Icarus</i> , 2011, 211, 1066-1081.	1.1	218
107	Global Distribution of Large Lunar Craters: Implications for Resurfacing and Impactor Populations. <i>Science</i> , 2010, 329, 1504-1507.	6.0	210
108	Geodetic constraints from multi-beam laser altimeter crossovers. <i>Journal of Geodesy</i> , 2010, 84, 343-354.	1.6	25

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109	The Lunar Reconnaissance Orbiter Laser Ranging Investigation. <i>Space Science Reviews</i> , 2010, 150, 63-80.	3.7	91
110	The Lunar Orbiter Laser Altimeter Investigation on the Lunar Reconnaissance Orbiter Mission. <i>Space Science Reviews</i> , 2010, 150, 209-241.	3.7	394
111	Accommodation of lithospheric shortening on Mercury from altimetric profiles of ridges and lobate scarps measured during MESSENGER flybys 1 and 2. <i>Icarus</i> , 2010, 209, 247-255.	1.1	29
112	The equatorial shape and gravity field of Mercury from MESSENGER flybys 1 and 2. <i>Icarus</i> , 2010, 209, 88-100.	1.1	43
113	Initial observations from the Lunar Orbiter Laser Altimeter (LOLA). <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	356
114	Hydrogen Mapping of the Lunar South Pole Using the LRO Neutron Detector Experiment LEND. <i>Science</i> , 2010, 330, 483-486.	6.0	265
115	Seeing the Missing Half. <i>Science</i> , 2009, 323, 885-887.	6.0	5
116	Mercury's internal magnetic field: Constraints on large- and small-scale fields of crustal origin. <i>Earth and Planetary Science Letters</i> , 2009, 285, 340-346.	1.8	22
117	Time variations of Mars' gravitational field and seasonal changes in the masses of the polar ice caps. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	25
118	The Lunar Orbiter Laser Altimeter Investigation on the Lunar Reconnaissance Orbiter Mission. , 2009, , 209-241.		10
119	The Lunar Reconnaissance Orbiter Laser Ranging Investigation. , 2009, , 63-80.		4
120	Laser Altimeter Measurements from MESSENGER's Recent Mercury Flybys. , 2009, , .		1
121	Interannual and seasonal behavior of Martian residual ice-cap albedo. <i>Planetary and Space Science</i> , 2008, 56, 194-211.	0.9	33
122	Laser Altimeter Observations from MESSENGER's First Mercury Flyby. <i>Science</i> , 2008, 321, 77-79.	6.0	44
123	LASER RANGING FOR GRAVITATIONAL, LUNAR AND PLANETARY SCIENCE. <i>International Journal of Modern Physics D</i> , 2007, 16, 2151-2164.	0.9	21
124	Diurnal variation and radiative influence of Martian water ice clouds. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	82
125	The Geophysics of Mercury: Current Status and Anticipated Insights from the MESSENGER Mission. <i>Space Science Reviews</i> , 2007, 131, 105-132.	3.7	27
126	The Mercury Laser Altimeter Instrument for the MESSENGER Mission. <i>Space Science Reviews</i> , 2007, 131, 451-479.	3.7	231



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127	Report of the IAU/IAG Working Group on cartographic coordinates and rotational elements: 2006. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2007, 98, 155-180.	0.5	216
128	The Mercury Laser Altimeter Instrument for the MESSENGER Mission. , 2007, , 451-479.		8
129	The Geophysics of Mercury: Current Status and Anticipated Insights from the MESSENGER Mission. , 2007, , 105-132.		0
130	Mars 1064 nm spectral radiance measurements determined from the receiver noise response of the Mars Orbiter Laser Altimeter. <i>Applied Optics</i> , 2006, 45, 3960.	2.1	20
131	Two-Way Laser Link over Interplanetary Distance. <i>Science</i> , 2006, 311, 53-53.	6.0	107
132	Photogrammetric Analysis of the Mars Global Surveyor Mapping Data. <i>Photogrammetric Engineering and Remote Sensing</i> , 2005, 71, 97-108.	0.3	20
133	New Perspectives on Ancient Mars. <i>Science</i> , 2005, 307, 1214-1220.	6.0	265
134	Improved estimate of tidal dissipation within Mars from MOLA observations of the shadow of Phobos. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	94
135	Depth, distribution, and density of CO <sub>2</sub> deposition on Mars. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	72
136	Crustal structure of Mars from gravity and topography. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	360
137	Correction to "Localized gravity/topography admittance and correlation spectra on Mars: Implications for regional and global evolution" <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	151
138	Two Mars years of clouds detected by the Mars Orbiter Laser Altimeter. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	58
139	Mars Orbiter Laser Altimeter pulse width measurements and footprint-scale roughness. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	89
140	Analysis of MOLA data for the Mars Exploration Rover landing sites. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	25
141	Localized gravity/topography admittance and correlation spectra on Mars: Implications for regional and global evolution. <i>Journal of Geophysical Research</i> , 2002, 107, 19-1-19-25.	3.3	243
142	Small-Scale Topography of 433 Eros from Laser Altimetry and Imaging. <i>Icarus</i> , 2002, 155, 51-74.	1.1	66
143	Comparison of Viking Lander Descent Data and MOLA Topography Reveals Kilometer-Scale Offset in Mars Atmosphere Profiles. <i>Icarus</i> , 2002, 159, 259-261.	1.1	5
144	Extension and uplift at Alba Patera, Mars: Insights from MOLA observations and loading models. <i>Journal of Geophysical Research</i> , 2001, 106, 23769-23809.	3.3	27

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145	Mars Orbiter Laser Altimeter: Experiment summary after the first year of global mapping of Mars. Journal of Geophysical Research, 2001, 106, 23689-23722.	3.3	1,344
146	Crossover analysis of Mars Orbiter Laser Altimeter data. Journal of Geophysical Research, 2001, 106, 23753-23768.	3.3	145
147	An improved solution of the gravity field of Mars (GMM-2B) from Mars Global Surveyor. Journal of Geophysical Research, 2001, 106, 23359-23376.	3.3	227
148	Enigmatic northern plains of Mars. Nature, 2001, 410, 651-651.	13.7	36
149	Laser Altimetry of Small-Scale Features on 433 Eros from NEAR-Shoemaker. Science, 2001, 292, 488-491.	6.0	38
150	Seasonal Variations of Snow Depth on Mars. Science, 2001, 294, 2141-2146.	6.0	212
151	Internal Structure and Early Thermal Evolution of Mars from Mars Global Surveyor Topography and Gravity. Science, 2000, 287, 1788-1793.	6.0	518
152	The Shape of 433 Eros from the NEAR-Shoemaker Laser Rangefinder. Science, 2000, 289, 2097-2101.	6.0	171
153	The Global Topography of Mars and Implications for Surface Evolution. Science, 1999, 284, 1495-1503.	6.0	826
154	The use of laser altimetry in the orbit and attitude determination of Mars Global Surveyor. Geophysical Research Letters, 1999, 26, 1191-1194.	1.5	57
155	Mars: Northern hemisphere slopes and slope distributions. Geophysical Research Letters, 1998, 25, 4413-4416.	1.5	48
156	Shape of the northern hemisphere of Mars from the Mars Orbiter Laser Altimeter (MOLA). Geophysical Research Letters, 1998, 25, 4393-4396.	1.5	23
157	Observations of the North Polar Region of Mars from the Mars Orbiter Laser Altimeter. , 1998, 282, 2053-2060.		231
158	A 70th degree lunar gravity model (GLGM-2) from Clementine and other tracking data. Journal of Geophysical Research, 1997, 102, 16339-16359.	3.3	125
159	Topography of the Moon from the Clementine lidar. Journal of Geophysical Research, 1997, 102, 1591-1611.	3.3	246
160	Electromagnetic core-mantle coupling and paleomagnetic reversal paths. Geophysical Research Letters, 1996, 23, 2705-2708.	1.5	14
161	The lunar crust: Global structure and signature of major basins. Journal of Geophysical Research, 1996, 101, 16841-16863.	3.3	206
162	High Degree and Order Spherical Harmonic Models for the Moon From Clementine and Historic S-Band Data. International Association of Geodesy Symposia, 1996, , 176-185.	0.2	1

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163	High resolution statistical estimation of seafloor morphology: Oblique and orthogonal fabric on the flanks of the Mid-Atlantic Ridge, 34½°-35.5½° S. <i>Marine Geophysical Researches</i> , 1995, 17, 221-250.	0.5	33
164	The Shape and Internal Structure of the Moon from the Clementine Mission. <i>Science</i> , 1994, 266, 1839-1843.	6.0	349
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