

Vesta's Shape and Morphology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Distinctive space weathering on Vesta from regolith mixing processes. <i>Nature</i> , 2012, 491, 79-82.	27.8	120
2	Dark material on Vesta from the infall of carbonaceous volatile-rich material. <i>Nature</i> , 2012, 491, 83-86.	27.8	151
4	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.	1.7	51
5	Elemental Mapping by Dawn Reveals Exogenic H in Vesta's Regolith. <i>Science</i> , 2012, 338, 242-246.	12.6	201
6	Pitted Terrain on Vesta and Implications for the Presence of Volatiles. <i>Science</i> , 2012, 338, 246-249.	12.6	91
7	Large-scale troughs on Vesta: A signature of planetary tectonics. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	63
8	Delivery of dark material to Vesta via carbonaceous chondritic impacts. <i>Icarus</i> , 2012, 221, 544-559.	2.5	152
9	Dawn at Vesta: Testing the Protoplanetary Paradigm. <i>Science</i> , 2012, 336, 684-686.	12.6	422
10	Space missions trigger map wars. <i>Nature</i> , 2012, 488, 442-443.	27.8	0
11	Companies set to fight food-label plan. <i>Nature</i> , 2012, 488, 443-443.	27.8	2
13	Vesta confirmed as a venerable planet progenitor. <i>Nature</i> , 2012, , .	27.8	0
14	The Geologically Recent Giant Impact Basins at Vesta's South Pole. <i>Science</i> , 2012, 336, 694-697.	12.6	194
15	Spectroscopic Characterization of Mineralogy and Its Diversity Across Vesta. <i>Science</i> , 2012, 336, 697-700.	12.6	240
16	The Violent Collisional History of Asteroid 4 Vesta. <i>Science</i> , 2012, 336, 690-694.	12.6	209
17	Global photometric properties of Asteroid (4) Vesta observed with Dawn Framing Camera. <i>Icarus</i> , 2013, 226, 1252-1274.	2.5	68
18	The quest for regolithic howardites. Part 1: Two trends uncovered using noble gases. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 105, 395-421.	3.9	31
19	High-resolution Vesta Low Altitude Mapping Orbit Atlas derived from Dawn Framing Camera images. <i>Planetary and Space Science</i> , 2013, 85, 293-298.	1.7	26
20	On the chronology of lunar origin and evolution. <i>Astronomy and Astrophysics Review</i> , 2013, 21, 1.	25.5	25

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21	The structure of the asteroid 4 Vesta as revealed by models of planet-scale collisions. <i>Nature</i> , 2013, 494, 207-210.	27.8	85
22	Olivine or impact melt: Nature of the "Orange" material on Vesta from Dawn. <i>Icarus</i> , 2013, 226, 1568-1594.	2.5	47
23	Dawn completes its mission at 4 Vesta. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2076-2089.	1.6	54
24	A&G Volume 54 Issue 3, Full Issue. <i>Astronomy and Geophysics</i> , 2013, 54, ASTROG-ASTROG.	0.2	0
25	Sample return missions to minor bodies. <i>Astronomy and Geophysics</i> , 2013, 54, 3.28-3.32.	0.2	3
26	Global gravity inversion of bodies with arbitrary shape. <i>Geophysical Journal International</i> , 2013, 195, 260-275.	2.4	17
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28	Lithologic mapping of <sc>HED</sc> terrains on Vesta using Dawn Framing Camera color data. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2199-2210.	1.6	26
29	Composition and petrology of <sc>HED</sc> polymict breccias: The regolith of (4) Vesta. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2105-2134.	1.6	42
30	Challenges in detecting olivine on the surface of 4 Vesta. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2155-2165.	1.6	43
31	Vestan lithologies mapped by the visual and infrared spectrometer on Dawn. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2185-2198.	1.6	75
32	Vesta's mineralogical composition as revealed by the visible and infrared spectrometer on Dawn. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2166-2184.	1.6	87
33	Dawn; the Vesta "HED" connection; and the geologic context for eucrites, diogenites, and howardites. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2090-2104.	1.6	185
34	Neutron absorption constraints on the composition of 4 Vesta. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2211-2236.	1.6	47
35	Olivine in an unexpected location on Vesta's surface. <i>Nature</i> , 2013, 504, 122-125.	27.8	82
36	Mass wasting features and processes in Vesta's south polar basin Rheasilvia. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 2279-2294.	3.6	30
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41	Detections and geologic context of local enrichments in olivine on Vesta with VIR/Dawn data. Journal of Geophysical Research E: Planets, 2014, 119, 2078-2108.	3.6	33
43	Grooves (Irregular Body). , 2014, , 1-8.		0
44	Composition and mineralogy of dark material units on Vesta. Icarus, 2014, 240, 58-72.	2.5	41
45	Thermal measurements of dark and bright surface features on Vesta as derived from Dawn/VIR. Icarus, 2014, 240, 36-57.	2.5	52
46	Geomorphology and structural geology of Saturnalia Fossae and adjacent structures in the northern hemisphere of Vesta. Icarus, 2014, 244, 23-40.	2.5	27
47	The geological nature of dark material on Vesta and implications for the subsurface structure. Icarus, 2014, 240, 3-19.	2.5	28
48	Asymmetric craters on Vesta: Impact on sloping surfaces. Planetary and Space Science, 2014, 103, 36-56.	1.7	34
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50	Introduction: The geologic mapping of Vesta. Icarus, 2014, 244, 1-12.	2.5	43
51	Unique, Antique Vesta. Elements, 2014, 10, 39-44.	0.5	8
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53	Geologic mapping of ejecta deposits in Oppia Quadrangle, Asteroid (4) Vesta. Icarus, 2014, 244, 104-119.	2.5	13
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56	Lutetia's lineaments. Planetary and Space Science, 2014, 101, 186-195.	1.7	13
57	Harmonic and statistical analyses of the gravity and topography of Vesta. Icarus, 2014, 240, 161-173.	2.5	18
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61	Efficient early global relaxation of asteroid Vesta. Icarus, 2014, 240, 133-145.	2.5	22
62	Crater depth-to-diameter distribution and surface properties of (4) vesta. Planetary and Space Science, 2014, 103, 57-65.	1.7	41
63	Morphology and formation ages of mid-sized post-Rheasilvia craters " Geology of quadrangle Tuccia, Vesta. Icarus, 2014, 244, 133-157.	2.5	27
64	Geologic map of the northern hemisphere of Vesta based on Dawn Framing Camera (FC) images. Icarus, 2014, 244, 41-59.	2.5	29
65	The unique geomorphology and physical properties of the Vestalia Terra plateau. Icarus, 2014, 244, 89-103.	2.5	33
66	The geology of the Marcia quadrangle of asteroid Vesta: Assessing the effects of large, young craters. Icarus, 2014, 244, 74-88.	2.5	36
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72	The age of Phobos and its largest crater, Stickney. Planetary and Space Science, 2014, 102, 152-163.	1.7	32
73	Constraints on Vesta's interior structure using gravity and shape models from the Dawn mission. Icarus, 2014, 240, 146-160.	2.5	55
74	The quest for regolithic howardites. Part 2: Surface origins highlighted by noble gases. Geochimica Et Cosmochimica Acta, 2014, 140, 488-508.	3.9	18
75	Lobate and flow-like features on asteroid Vesta. Planetary and Space Science, 2014, 103, 24-35.	1.7	42
76	Mass movement on Vesta at steep scarps and crater rims. Icarus, 2014, 244, 120-132.	2.5	49

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81	Testing linear spectral unmixing on laboratory mixtures: Application to VIR data for asteroid Vesta. , 2014, , .		0
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85	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.	2.5	15
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88	¹⁴⁷ Sm- ¹⁴³ Nd and ¹⁷⁶ Lu- ¹⁷⁶ Hf systematics of eucrite and angrite meteorites. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1896-1911.	1.6	20
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97	The Sextilia-region on Asteroid 4Vesta – Stratigraphy and variegation. <i>Icarus</i> , 2015, 259, 162-180.	2.5	8
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