

The structure of the asteroid 4â€Vesta as revealed by m

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The influence of recent major crater impacts on the surrounding surfaces of (21) Lutetia. Icarus, 2013, 226, 89-100.	2.5	10
2	Electric propulsion system scaling for asteroid capture-and-return missions. , 2013, , .		0
3	The origin of eucrites, diogenites, and olivine diogenites: Magma ocean crystallization and shallow magma chamber processes on Vesta. Meteoritics and Planetary Science, 2013, 48, 2333-2349.	1.6	121
4	Vestan lithologies mapped by the visual and infrared spectrometer on Dawn. Meteoritics and Planetary Science, 2013, 48, 2185-2198.	1.6	75
5	Chondritic models of 4 Vesta: Implications for geochemical and geophysical properties. Meteoritics and Planetary Science, 2013, 48, 2300-2315.	1.6	66
6	Neutron absorption constraints on the composition of 4 Vesta. Meteoritics and Planetary Science, 2013, 48, 2211-2236.	1.6	47
7	Olivine in an unexpected location on Vesta's surface. Nature, 2013, 504, 122-125.	27.8	82
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9	Antipodal terrains created by the Rheasilvia basin forming impact on asteroid 4 Vesta. Journal of Geophysical Research E: Planets, 2013, 118, 1821-1834.	3.6	22
10	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
11	Olivine-rich exposures at Bellicia and Arruntia craters on (4) Vesta from Dawn's FC.	1.6	20
12	Unique, Antique Vesta. Elements, 2014, 10, 39-44.	0.5	8
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14	Harmonic and statistical analyses of the gravity and topography of Vesta. Icarus, 2014, 240, 161-173.	2.5	18
15	Efficient early global relaxation of asteroid Vesta. Icarus, 2014, 240, 133-145.	2.5	22
16	The primordial collisional history of Vesta: crater saturation, surface evolution and survival of the basaltic crust. Planetary and Space Science, 2014, 103, 82-95.	1.7	14
17	Geologic map of the northern hemisphere of Vesta based on Dawn Framing Camera (FC) images. Icarus, 2014, 244, 41-59.	2.5	29
18	Hypervelocity impacts on asteroids and momentum transfer I. Numerical simulations using porous targets. Icarus, 2014, 229, 247-253.	2.5	78

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20	Constraints on Vesta's interior structure using gravity and shape models from the Dawn mission. <i>Icarus</i> , 2014, 240, 146-160.	2.5	55
21	Asteroid families classification: Exploiting very large datasets. <i>Icarus</i> , 2014, 239, 46-73.	2.5	171
22	Small fresh impact craters on asteroid 4 Vesta: A compositional and geological fingerprint. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 771-797.	3.6	12
23	Petrology and geochemistry of Northwest Africa 5480 diogenite and evidence for a basin-forming event on Vesta. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1260-1270.	1.6	6
24	Using <sc>HED</sc> meteorites to interpret neutron and gamma-ray data from asteroid 4 Vesta. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1311-1337.	1.6	24
25	Exogenic olivine on Vesta from Dawn Framing Camera color data. <i>Icarus</i> , 2015, 258, 467-482.	2.5	28
26	Compositional variations in the Vestan Rheasilvia basin. <i>Icarus</i> , 2015, 259, 194-202.	2.5	8
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28	Detection of new olivine-rich locations on Vesta. <i>Icarus</i> , 2015, 258, 120-134.	2.5	37
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33	Geochemistry and oxygen isotope composition of main-group pallasites and olivine-rich clasts in mesosiderites: Implications for the ‘Great Dunité Shortage’ and HED-mesosiderite connection. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 169, 115-136.	3.9	48
34	Constraining geologic properties and processes through the use of impact craters. <i>Geomorphology</i> , 2015, 240, 18-33.	2.6	14
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39	Insights into Planet Formation from Debris Disks. <i>Space Science Reviews</i> , 2016, 205, 231-265.	8.1	43
40	Igneous lithologies on asteroid (4) Vesta mapped using gamma-ray and neutron data. <i>Icarus</i> , 2017, 286, 35-45.	2.5	11
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54	Impacts into rotating targets: angular momentum draining and efficient formation of synthetic families. <i>Astronomy and Astrophysics</i> , 2019, 629, A122.	5.1	9

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