

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

Nature

494, 207-210

DOI: [10.1038/nature11892](https://doi.org/10.1038/nature11892)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The influence of recent major crater impacts on the surrounding surfaces of (21) Lutetia. <i>Icarus</i> , 2013, 226, 89-100.	1.1	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. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2333-2349.	0.7	121
4	Vestan lithologies mapped by the visual and infrared spectrometer on Dawn. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2185-2198.	0.7	75
5	Chondritic models of 4 Vesta: Implications for geochemical and geophysical properties. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2300-2315.	0.7	66
6	Neutron absorption constraints on the composition of 4 Vesta. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2211-2236.	0.7	47
7	Olivine in an unexpected location on Vesta's surface. <i>Nature</i> , 2013, 504, 122-125.	13.7	82
8	Mass-wasting features and processes in Vesta's south polar basin, Rheasilvia. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 2279-2294.	1.5	30
9	Antipodal terrains created by the Rheasilvia basin forming impact on asteroid 4 Vesta. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1821-1834.	1.5	22
10	Detections and geologic context of local enrichments in olivine on Vesta with VIR/Dawn data. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 2078-2108.	1.5	33
11	Olivine-rich exposures at Bellicia and Arruntia craters on (4) Vesta from Dawn <sc>FC</sc>. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1831-1850.	0.7	20
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14	Harmonic and statistical analyses of the gravity and topography of Vesta. <i>Icarus</i> , 2014, 240, 161-173.	1.1	18
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16	The primordial collisional history of Vesta: crater saturation, surface evolution and survival of the basaltic crust. <i>Planetary and Space Science</i> , 2014, 103, 82-95.	0.9	14
17	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
18	Hypervelocity impacts on asteroids and momentum transfer I. Numerical simulations using porous targets. <i>Icarus</i> , 2014, 229, 247-253.	1.1	78

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19	The contamination of the surface of Vesta by impacts and the delivery of the dark material. <i>Icarus</i> , 2014, 240, 86-102.	1.1	28
20	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
21	Asteroid families classification: Exploiting very large datasets. <i>Icarus</i> , 2014, 239, 46-73.	1.1	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.	1.5	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.	0.7	6
24	Using HED meteorites to interpret neutron and gamma-ray data from asteroid 4 Vesta. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1311-1337.	0.7	24
25	Exogenic olivine on Vesta from Dawn Framing Camera color data. <i>Icarus</i> , 2015, 258, 467-482.	1.1	28
26	Compositional variations in the Vestan Rheasilvia basin. <i>Icarus</i> , 2015, 259, 194-202.	1.1	8
27	The Sextilia-region on Asteroid 4 Vesta – Stratigraphy and variegation. <i>Icarus</i> , 2015, 259, 162-180.	1.1	8
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30	Olivine and pyroxene from the mantle of asteroid 4 Vesta. <i>Earth and Planetary Science Letters</i> , 2015, 418, 126-135.	1.8	23
31	The composition of Vesta from the Dawn mission. <i>Icarus</i> , 2015, 259, 1-9.	1.1	8
32	Composition of the northern regions of Vesta analyzed by the Dawn mission. <i>Icarus</i> , 2015, 259, 53-71.	1.1	25
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.	1.6	48
34	Constraining geologic properties and processes through the use of impact craters. <i>Geomorphology</i> , 2015, 240, 18-33.	1.1	14
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37	On the possibility of viscoelastic deformation of the large south polar craters and true polar wander on the asteroid Vesta. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1786-1797.	1.5	7
38	Olivine on Vesta as exogenous contaminants brought by impacts: Constraints from modeling Vesta's collisional history and from impact simulations. <i>Icarus</i> , 2016, 280, 328-339.	1.1	17
39	Insights into Planet Formation from Debris Disks. <i>Space Science Reviews</i> , 2016, 205, 231-265.	3.7	43
40	Igneous lithologies on asteroid (4) Vesta mapped using gamma-ray and neutron data. <i>Icarus</i> , 2017, 286, 35-45.	1.1	11
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52	On the source of diogenites and olivine diogenites: Compositional diversity from variable fO <sub>2</sub> . <i>Geochimica Et Cosmochimica Acta</i> , 2019, 258, 37-49.	1.6	2
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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.	2.1	9

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56	Spin evolution of Ceres and Vesta due to impacts. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2493-2518.	0.7	7
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