

Elena Dobrica

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

529
citations

1040056

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h-index

794594

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20
times ranked

552
citing authors

#	ARTICLE	IF	CITATIONS
1	Extreme Deuterium Excesses in Ultracarbonaceous Micrometeorites from Central Antarctic Snow. <i>Science</i> , 2010, 328, 742-745.	12.6	160
2	Transmission Electron Microscopy of CONCORDIA UltraCarbonaceous Antarctic MicroMeteorites (UCAMMs): Mineralogical properties. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 76, 68-82.	3.9	78
3	Connection between micrometeorites and Wild 2 particles: From Antarctic snow to cometary ices. <i>Meteoritics and Planetary Science</i> , 2009, 44, 1643-1661.	1.6	61
4	Raman characterization of carbonaceous matter in CONCORDIA Antarctic micrometeorites. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1363-1375.	1.6	53
5	Amorphous silicates in the matrix of Semarkona: The first evidence for the localized preservation of pristine matrix materials in the most unequilibrated ordinary chondrites. <i>Meteoritics and Planetary Science</i> , 2020, 55, 649-668.	1.6	50
6	Widespread hydrothermal alteration minerals in the fine-grained matrices of the Tieschitz unequilibrated ordinary chondrite. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1323-1349.	1.6	48
7	Microchondrules in two unequilibrated ordinary chondrites: Evidence for formation by splattering from chondrules during stochastic collisions in the solar nebula. <i>Meteoritics and Planetary Science</i> , 2016, 51, 884-905.	1.6	15
8	Aqueous alteration of porous microchondrules in Semarkona: Implications for hydration, oxidation and elemental exchange processes. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 292-307.	3.9	13
9	Mineralogy and oxygen isotope systematics of magnetite grains and a magnetite-dolomite assemblage in hydrated fine-grained Antarctic micrometeorites. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1973-1989.	1.6	12
10	Effect of bicarbonate and oxidizing conditions on U(IV) and U(VI) reactivity in mineralized deposits of New Mexico. <i>Chemical Geology</i> , 2019, 524, 345-355.	3.3	8
11	Adhering grains and surface features on two Itokawa particles. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	6
12	Iron-rich olivine in the unequilibrated ordinary chondrite, MET00526: Earliest stages of formation. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2652-2669.	1.6	6
13	Dolomites in hydrated fine-grained Antarctic micrometeorites: Effective tools for analyzing secondary processes. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 317, 286-305.	3.9	4
14	TEM analyses of in situ presolar grains from unequilibrated ordinary chondrite LL3.0 Semarkona. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 328, 130-152.	3.9	4
15	Impact plume-formed and protoplanetary disk high-temperature components in CB and CH metal-rich carbonaceous chondrites. <i>Meteoritics and Planetary Science</i> , 2022, 57, 352-380.	1.6	3
16	Mineralogy, petrology, and oxygen isotope compositions of magnetite-fayalite assemblages in CO3, CV3, and LL3 chondrites. <i>Meteoritics and Planetary Science</i> , 2022, 57, 392-428.	1.6	3
17	The asteroid-comet continuum from laboratory and space analyses of comet samples and micrometeorites. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 253-256.	0.0	2
18	Fayalite formation through hydrothermal experiments: Insights into early fluid-assisted aqueous alteration processes on asteroids. <i>Meteoritics and Planetary Science</i> , 2022, 57, 381-391.	1.6	2

#	ARTICLE	IF	CITATIONS
19	Valence determinations and oxybarometry on FIB-sectioned olivine and pyroxene using correlated Ti, V, and Cr micro-XAFS spectroscopy: Evaluation of ion-milling effects and application to Antarctic micrometeorite grains. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2553-2569.	1.6	1
20	Microstructural features in carbonates from Antarctic micrometeorites: Effective tools for analyzing the evolution of small Solar System bodies. <i>Microscopy and Microanalysis</i> , 2021, 27, 2778-2781.	0.4	0