

Emeline Charon

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

430
citations

933264

10
h-index

940416

16
g-index

18
all docs

18
docs citations

18
times ranked

976
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman spectroscopic properties and Raman identification of Ca ₂ MgS ₂ MnS ₂ FeS ₂ Cr ₂ FeS ₄ sulfides in meteorites and reduced sulfur-rich systems. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1415-1426.	0.7	68
2	Nanostructuration of carbonaceous dust as seen through the positions of the 6.2 and 7.7 μm AIBs. <i>Astronomy and Astrophysics</i> , 2012, 548, A40.	2.1	62
3	Graphitization at low temperatures (600–1200°C) in the presence of iron implications in planetology. <i>Carbon</i> , 2014, 66, 178-190.	5.4	57
4	How Mercury can be the most reduced terrestrial planet and still store iron in its mantle. <i>Earth and Planetary Science Letters</i> , 2014, 394, 186-197.	1.8	54
5	Carbons at the heart of questions on energy and environment: A nanostructural approach. <i>Comptes Rendus - Geoscience</i> , 2015, 347, 124-133.	0.4	54
6	Dome C ultracarbonaceous Antarctic micrometeorites. <i>Astronomy and Astrophysics</i> , 2018, 609, A65.	2.1	38
7	On a Reliable Structural Characterization of Polished Carbons in Meteorites by Raman Microspectroscopy. <i>Spectroscopy Letters</i> , 2011, 44, 535-538.	0.5	19
8	D-depleted organic matter and graphite in the Abee enstatite chondrite. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 96, 319-335.	1.6	16
9	The formation of nuggets of highly siderophile elements in quenched silicate melts at high temperatures: Before or during the silicate quench?. <i>Earth and Planetary Science Letters</i> , 2016, 434, 197-207.	1.8	16
10	One-step synthesis of highly pure and well-crystallized vertically aligned carbon nanotubes. <i>Carbon</i> , 2021, 173, 758-768.	5.4	14
11	Early signs of multi-walled carbon nanotubes degradation in macrophages, via an intracellular pH-dependent biological mechanism; importance of length and functionalization. <i>Particle and Fibre Toxicology</i> , 2016, 13, 61.	2.8	10
12	Impact delivery of organic matter on the acapulcoite–lodranite parent-body deduced from C, N isotopes and nanostructures of carbon phases in Acapulco and Lodran. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 142, 224-239.	1.6	7
13	Mechanochemical synthesis of aromatic infrared band carriers. <i>Astronomy and Astrophysics</i> , 2020, 637, A82.	2.1	7
14	Semiempirical breakdown curves of C ₂ N(+) and C ₃ N(+) molecules; application to products branching ratios predictions of physical and chemical processes involving these adducts. <i>Molecular Astrophysics</i> , 2018, 12, 25-32.	1.7	4
15	Critical Role of the Acetylene Content and Fe/C Ratio on the Thickness and Density of Vertically Aligned Carbon Nanotubes Grown at Low Temperature by a One-Step Catalytic Chemical Vapor Deposition Process. <i>Nanomaterials</i> , 2022, 12, 2338.	1.9	3
16	Nanostructuration of polyaromatic analogues of the carbonaceous dust. <i>EAS Publications Series</i> , 2012, 58, 399-404.	0.3	1
17	Improving the Activity of Fe/C/N ORR Electrocatalyst Using Double Ammonia Promoted CO ₂ Laser Pyrolysis. <i>Journal of Carbon Research</i> , 2020, 6, 63.	1.4	0
18	Extraction of diffusion coefficients from the study of Rb release in different carbon catchers. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2022, 526, 9-18.	0.6	0