

Jean-Alexis Hernandez

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

312
citations

1040056

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888059

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docs citations

17
times ranked

448
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of high-temperature salty ice suggests electrolyte permeability in water-rich exoplanet icy mantles. <i>Nature Communications</i> , 2022, 13, .	12.8	13
2	Metallization of Shock-Compressed Liquid Ammonia. <i>Physical Review Letters</i> , 2021, 126, 025003.	7.8	21
3	Electrical conductivity of warm dense silica from double-shock experiments. <i>Nature Communications</i> , 2021, 12, 840.	12.8	9
4	Lactation and gestation controls on calcium isotopic compositions in a mammalian model. <i>Metallomics</i> , 2021, 13, .	2.4	10
5	Analyzing Melts and Fluids from Ab Initio Molecular Dynamics Simulations with the UMD Package. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	3
6	X-ray powder diffraction in reflection geometry on multi-beam k α -type laser facilities. <i>Review of Scientific Instruments</i> , 2021, 92, 013902.	1.3	6
7	Fast-ion conduction and local environments in BIMEVOX. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200430.	3.4	5
8	Direct Observation of Shock-Induced Disorder of Enstatite Below the Melting Temperature. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088887.	4.0	9
9	Melting Curve and Isostructural Solid Transition in Superionic Ice. <i>Physical Review Letters</i> , 2020, 125, 195501.	7.8	30
10	In situ X-ray diffraction of silicate liquids and glasses under dynamic and static compression to megabar pressures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11981-11986.	7.1	20
11	Laser-driven shock compression of α -synthetic planetary mixtures of water, ethanol, and ammonia. <i>Scientific Reports</i> , 2019, 9, 10155.	3.3	19
12	X-ray absorption near edge spectroscopy study of warm dense MgO. <i>Physics of Plasmas</i> , 2019, 26, 112703.	1.9	3
13	Characterizing equation of state and optical properties of dynamically pre-compressed materials. <i>Physics of Plasmas</i> , 2019, 26, 042704.	1.9	6
14	Multidisciplinary Constraints on the Abundance of Diamond and Eclogite in the Cratonic Lithosphere. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2062-2086.	2.5	49
15	Proton dynamics and the phase diagram of dense water ice. <i>Journal of Chemical Physics</i> , 2018, 148, 214501.	3.0	48
16	Miocene (Burdigalian) seawater and air temperatures estimated from the geochemistry of fossil remains from the Aquitaine Basin, France. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 481, 14-28.	2.3	8
17	Superionic Phase Transitions in Body-Centered Cubic H_2O . <i>Physical Review Letters</i> , 2016, 117, 135503.	7.8	53