

# Jean-Alexis Hernandez

## List of Publications by Year in descending order

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1040056

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docs citations

17  
times ranked

448  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superionic Superionic Phase Transitions in Body-Centered Cubic $\text{H}_2\text{O}$ . Physical Review Letters, 2016, 117, 135503.	7.8	53
2	Multidisciplinary Constraints on the Abundance of Diamond and Eclogite in the Cratonic Lithosphere. Geochemistry, Geophysics, Geosystems, 2018, 19, 2062-2086.	2.5	49
3	Proton dynamics and the phase diagram of dense water ice. Journal of Chemical Physics, 2018, 148, 214501.	3.0	48
4	Melting Curve and Isostructural Solid Transition in Superionic Ice. Physical Review Letters, 2020, 125, 195501.	7.8	30
5	Metallization of Shock-Compressed Liquid Ammonia. Physical Review Letters, 2021, 126, 025003.	7.8	21
6	In situ X-ray diffraction of silicate liquids and glasses under dynamic and static compression to megabar pressures. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11981-11986.	7.1	20
7	Laser-driven shock compression of synthetic planetary mixtures of water, ethanol, and ammonia. Scientific Reports, 2019, 9, 10155.	3.3	19
8	Stability of high-temperature salty ice suggests electrolyte permeability in water-rich exoplanet icy mantles. Nature Communications, 2022, 13, .	12.8	13
9	Lactation and gestation controls on calcium isotopic compositions in a mammalian model. Metallomics, 2021, 13, .	2.4	10
10	Direct Observation of Shock-Induced Disorder of Enstatite Below the Melting Temperature. Geophysical Research Letters, 2020, 47, e2020GL088887.	4.0	9
11	Electrical conductivity of warm dense silica from double-shock experiments. Nature Communications, 2021, 12, 840.	12.8	9
12	Miocene (Burdigalian) seawater and air temperatures estimated from the geochemistry of fossil remains from the Aquitaine Basin, France. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 481, 14-28.	2.3	8
13	Characterizing equation of state and optical properties of dynamically pre-compressed materials. Physics of Plasmas, 2019, 26, 042704.	1.9	6
14	X-ray powder diffraction in reflection geometry on multi-beam kJ-type laser facilities. Review of Scientific Instruments, 2021, 92, 013902.	1.3	6
15	Fast-ion conduction and local environments in BIMEVOX. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200430.	3.4	5
16	X-ray absorption near edge spectroscopy study of warm dense MgO. Physics of Plasmas, 2019, 26, 112703.	1.9	3
17	Analyzing Melts and Fluids from Ab Initio Molecular Dynamics Simulations with the UMD Package. Journal of Visualized Experiments, 2021, .	0.3	3