

Jerome Lasne

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Photo-enhanced uptake of SO ₂ on Icelandic volcanic dusts. <i>Environmental Science Atmospheres</i> , 2022, 2, 375-387.	2.4	2
2	Heterogeneous Physical Chemistry in the Atmospheres of Earth, Mars, and Venus: Perspectives for Rocky Exoplanets. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 149-162.	2.7	3
3	Dimerization of Uracil in a Simulated Mars-like UV Radiation Environment. <i>Astrobiology</i> , 2020, 20, 1363-1376.	3.0	7
4	Surface Science Investigations of Icy Mantle Growth on Interstellar Dust Grains in Cooling Environments. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1915-1931.	2.7	10
5	Uptake and surface chemistry of SO ₂ on natural volcanic dusts. <i>Atmospheric Environment</i> , 2019, 217, 116942.	4.1	23
6	The optical absorption spectra of spontaneously electrical solids: the case of nitrous oxide. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1190-1197.	2.8	7
7	Acceleration of ion recombination reaction rates in cold dark clouds through spontaneous polarization charge on CO ice mantles. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 390-391.	0.0	0
8	Ozone Uptake by Clay Dusts under Environmental Conditions. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 904-914.	2.7	17
9	Analysis of carbon and nitrogen signatures with laser-induced breakdown spectroscopy; the quest for organics under Mars-like conditions. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 131, 8-17.	2.9	25
10	Wannier-Mott Excitons in Nanoscale Molecular Ices. <i>Physical Review Letters</i> , 2017, 119, 157703.	7.8	12
11	A review of recent progress in understanding the spontelectric state of matter. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	17
12	Photodesorption and physical properties of CO ice as a function of temperature. <i>Astronomy and Astrophysics</i> , 2016, 589, A19.	5.1	38
13	Dipole-Oriented Molecular Solids Can Undergo a Phase Change and Still Maintain Electrical Polarization. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24130-24136.	3.1	13
14	Oxidants at the Surface of Mars: A Review in Light of Recent Exploration Results. <i>Astrobiology</i> , 2016, 16, 977-996.	3.0	83
15	ENABLING STAR FORMATION VIA SPONTANEOUS MOLECULAR DIPOLE ORIENTATION IN ICY SOLIDS. <i>Astrophysical Journal</i> , 2016, 832, 1.	4.5	20
16	Spontaneous polarization of solid CO on water ices and some astrophysical implications. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5159-5171.	2.8	13
17	Spontaneously electrical solids in a new light. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20971-20980.	2.8	16
18	Spontaneous electric fields in solid carbon monoxide. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30177-30187.	2.8	27

#	ARTICLE	IF	CITATIONS
19	Laboratory surface astrochemistry experiments. Review of Scientific Instruments, 2015, 86, 055103.	1.3	13
20	Probing model interstellar grain surfaces with small molecules. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1826-1833.	4.4	49
21	Investigations into the nature of spontelectrics: nitrous oxide diluted in xenon. Physical Chemistry Chemical Physics, 2014, 16, 23843-23853.	2.8	17
22	Reply to the "Comment on "HCl adsorption on ice at low temperature: a combined X-ray absorption, photoemission and infrared study" by J. P. Devlin and H. Kang, Phys. Chem. Chem. Phys., 2012, 14, 1050-1053, DOI: 10.1039/c1cp22007a. Physical Chemistry Chemical Physics, 2012, 14, 1050-1053.	2.8	10
23	Proton transfer reactions between nitric acid and acetone, hydroxyacetone, acetaldehyde and benzaldehyde in the solid phase. Physical Chemistry Chemical Physics, 2012, 14, 15715.	2.8	2
24	Interaction of acetone, hydroxyacetone, acetaldehyde and benzaldehyde with the surface of water ice and HNO ₃ ·3H ₂ O ice. Physical Chemistry Chemical Physics, 2012, 14, 697-704.	2.8	16
25	Adsorption of Acetaldehyde on Ice As Seen from Computer Simulation and Infrared Spectroscopy Measurements. Langmuir, 2012, 28, 4198-4207.	3.5	25
26	HCl adsorption on ice at low temperature: a combined X-ray absorption, photoemission and infrared study. Physical Chemistry Chemical Physics, 2011, 13, 7142.	2.8	42
27	NEXAFS : a unique tool to follow the photochemistry of small organic molecules in condensed water. Journal of Physics: Conference Series, 2011, 261, 012008.	0.4	6
28	Photochemistry of carbon monoxide and methanol in water and nitric acid hydrate ices: A NEXAFS study. Physical Chemistry Chemical Physics, 2010, 12, 10865.	2.8	24
29	The irradiation of ammonia ice studied by near edge x-ray absorption spectroscopy. Journal of Chemical Physics, 2009, 131, 154308.	3.0	16
30	Influence of Water in the UV-Induced Chemistry of Methanol in the Solid Phase. Journal of Physical Chemistry A, 2009, 113, 8979-8984.	2.5	18