Lionel Amiaud

List of Publications by Year
in descending order

18 papers	516 citations	933447 10 h-index	839539 18 g-index
18 all docs	18 docs citations	18 times ranked	535 citing authors

#	Article	IF	Citations
1	Experimental evidence for water formation on interstellar dust grains by hydrogen and oxygen atoms. Astronomy and Astrophysics, 2010, 512, A30.	5.1	135
2	Interaction of D2 with H2O amorphous ice studied by temperature-programed desorption experiments. Journal of Chemical Physics, 2006, 124, 094702.	3.0	79
3	Interaction of atomic and molecular deuterium with a nonporous amorphous water ice surface between 8 and 30K. Journal of Chemical Physics, 2007, 127, 144709.	3.0	69
4	D2 desorption kinetics on amorphous solid water: from compact to porous ice films. Physical Chemistry Chemical Physics, 2009, 11, 4396.	2.8	37
5	Low-energy electron induced resonant loss of aromaticity: consequences on cross-linking in terphenylthiol SAMs. Physical Chemistry Chemical Physics, 2014, 16, 1050-1059.	2.8	34
6	Measurement of the Adsorption Energy Difference between<i>Ortho</i>- and<i>Para</i>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">D</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>on an Amorphous Ice Surface. Physical Review Letters, 2008, 100, 056101.	7.8	32
7	Isotopic segregation of molecular hydrogen on water ice surface at low temperature. Chemical Physics Letters, 2005, 404, 187-191.	2.6	31
8	H₂, HD, and D₂abundances on ice-covered dust grains in dark clouds. Astronomy and Astrophysics, 2011, 527, A44.	5.1	26
9	Electron Processing at 50 eV of Terphenylthiol Self-Assembled Monolayers: Contributions of Primary and Secondary Electrons. Langmuir, 2015, 31, 13528-13534.	3.5	21
10	Physisorption and desorption of H₂, HD and D₂ on amorphous solid water ice. Effect on mixing isotopologue on statistical population of adsorption sites. Physical Chemistry Chemical Physics, 2015, 17, 30148-30157.	2.8	11
11	Selective terminal function modification of SAMs driven by low-energy electrons (0â€“15 eV). Physical Chemistry Chemical Physics, 2013, 15, 7220.	2.8	10
12	Response under low-energy electron irradiation of a thin film of a potential copper precursor for focused electron beam induced deposition (FEBID). Beilstein Journal of Nanotechnology, 2018, 9, 57-65.	2.8	8
13	Hydrogenated polycrystalline diamond films: Elastic and inelastic electron reflectivity. Progress in Surface Science, 2011, 86, 94-114.	8.3	5
14	A combined DFT/HREELS study of the vibrational modes of terphenylthiol SAMs. European Physical Journal D, 2015, 69, 1.	1.3	5
15	Electron-induced fragmentation mechanisms in organic monomers and their implications for photoresist optimization for EUV lithography. Physical Chemistry Chemical Physics, 2021, 23, 9228-9234.	2.8	5
16	Strain relaxation and epitaxial relationship of perylene overlayer on Ag(110). Journal of Chemical Physics, 2018, 148, 214702.	3.0	4
17	Low-energy electron scattering on deuterated nanocrystalline diamond filmsâ€”a model system for understanding the interplay between density-of-states, excitation mechanisms and surface versus lattice contributions. Physical Chemistry Chemical Physics, 2011, 13, 11495.	2.8	2
18	Design for a high resolution electron energy loss microscope. Ultramicroscopy, 2019, 207, 112848.	1.9	2