Lionel Amiaud

List of Publications by Year
in descending order

18	516	933447	839539
papers	citations	10	18
		h-index	g-index

18	18	18	535
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Design for a high resolution electron energy loss microscope. Ultramicroscopy, 2019, 207, 112848.	1.9	2
3	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
4	Strain relaxation and epitaxial relationship of perylene overlayer on Ag(110). Journal of Chemical Physics, 2018, 148, 214702.	3.0	4
5	A combined DFT/HREELS study of the vibrational modes of terphenylthiol SAMs. European Physical Journal D, 2015, 69, 1.	1.3	5
6	Electron Processing at 50 eV of Terphenylthiol Self-Assembled Monolayers: Contributions of Primary and Secondary Electrons. Langmuir, 2015, 31, 13528-13534.	3.5	21
7	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
8	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
9	Selective terminal function modification of SAMs driven by low-energy electrons (0â€“15 eV). Physical Chemistry Chemical Physics, 2013, 15, 7220.	2.8	10
10	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
11	Hydrogenated polycrystalline diamond films: Elastic and inelastic electron reflectivity. Progress in Surface Science, 2011, 86, 94-114.	8.3	5
12	H₂, HD, and D₂abundances on ice-covered dust grains in dark clouds. Astronomy and Astrophysics, 2011, 527, A44.	5.1	26
13	Experimental evidence for water formation on interstellar dust grains by hydrogen and oxygen atoms. Astronomy and Astrophysics, 2010, 512, A30.	5.1	135
14	D2 desorption kinetics on amorphous solid water: from compact to porous ice films. Physical Chemistry Chemical Physics, 2009, 11, 4396.	2.8	37
15	Measurement of the Adsorption Energy Difference betweenOrtho- andPara-<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
16	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
17	Interaction of D2 with H2O amorphous ice studied by temperature-programed desorption experiments. Journal of Chemical Physics, 2006, 124, 094702.	3.0	79
18	Isotopic segregation of molecular hydrogen on water ice surface at low temperature. Chemical Physics Letters, 2005, 404, 187-191.	2.6	31