Fouad Maroun

List of Publications by Year
in descending order

20	743	933447 10	752698 20
papers	citations	h-index	g-index

20	20	20	1132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Role of Atomic Ensembles in the Reactivity of Bimetallic Electrocatalysts. Science, 2001, 293, 1811-1814.	12.6	439
2	Metal electrodeposition on single crystal metal surfaces mechanisms, structure and applications. Current Opinion in Solid State and Materials Science, 2006, 10, 173-181.	11.5	51
3	Electrochemical growth of ultraflat Au(111) epitaxial buffer layers on Hâ€“Si(111). Applied Physics Letters, 2008, 93, .	3.3	38
4	Influence of controlled surface oxidation on the magnetic anisotropy of Co ultrathin films. Applied Physics Letters, 2015, 106, .	3.3	27
5	Magnetism of electrodeposited ultrathin layers: Challenges and opportunities. Surface Science, 2009, 603, 1831-1840.	1.9	25
6	Influence of the surface chemistry on the electric-field control of the magnetization of ultrathin films. Physical Review B, 2012, 86, .	3.2	24
7	Electrodeposited magnetic layers in the ultrathin limit. MRS Bulletin, 2010, 35, 761-770.	3.5	23
8	Preparation, characterization and magneto-optical investigations of electrodeposited Co/Au films. Journal of Magnetism and Magnetic Materials, 2007, 315, 26-38.	2.3	18
9	In situ surface X-ray diffraction study of ultrathin epitaxial Co films on Au(111) in alkaline solution. Electrochimica Acta, 2016, 197, 273-281.	5.2	16
10	Selective Growth and Dissolution of Ni on a PdAu Bimetallic Surface byInÂSituSTM: Determining the Relative Adsorbate-Substrate Interaction Energy. Physical Review Letters, 2009, 102, 196101.	7.8	13
11	Film and Interface Atomic Structures of Electrodeposited Co/Au(111) Layers: An in Situ X-ray Scattering Study as a Function of the Surface Chemistry and the Electrochemical Potential. Journal of Physical Chemistry C, 2016, 120, 3360-3370.	3.1	10
12	Electrodeposition of Ag, Pd and Au on Ni monolayer islands on (1 Ã— 1)-Au(111) by in-situ scanning tunneling microscopy. Electrochimica Acta, 2016, 197, 241-250.	5.2	9
13	Potential dependence of the structure and magnetism of electrodeposited Pd/Co/Au(111) layers. Journal of Electroanalytical Chemistry, 2018, 819, 322-330.	3.8	9
14	Probing the electrochemical interface with in situ magnetic characterizations: A case study of Co/Au(111) layers. Surface Science, 2015, 631, 88-95.	1.9	8
15	AuNi alloy monolayer films electrodeposited on Au(111): An in situ STM study. Surface Science, 2013, 607, 25-32.	1.9	7
16	Influence of Potential on the Electrodeposition of Co on Au(111) by In Situ STM and Reflectivity Measurements. Journal of the Electrochemical Society, 2016, 163, D3062-D3068.	2.9	7
17	In situ monitoring of electric field effect on domain wall motion in Co ultrathin films in direct contact with an electrolyte. Applied Physics Letters, 2019, 115, .	3.3	7
18	Electrochemical de-alloying in two dimensions: role of the local atomic environment. Nanoscale, 2016, 8, 13985-13996.	5.6	6

#	Article	IF	Citations
19	Electrodeposition of NiPd monolayer on Au(111): An in situ scanning tunneling microscopy study. Electrochimica Acta, 2013, 112, 824-830.	5.2	3
20	Ni electrochemical epitaxy on unreconstructed Au(111): An in-situ STM study. Surface Science, 2015, 631, 135-140.	1.9	3