

Electrodeposition of Hybrid Magnetostrictive/Magnetoelectric Layered Systems

Sara Abad ¹, Alicia Prados ¹, Marco Maicas ², Neven Biskup ^{1,3}, Maria Varela ^{1,3} and Rocio Ranchal ^{1,4,*}

¹ Departamento Física de Materiales, Facultad Ciencias Físicas. Universidad Complutense de Madrid, Plaza de las Ciencias 1, 28040 Madrid, Spain; sarabad@ucm.es (S.A.); aliciapradosdiaz@ucm.es (A.P.); nbiskup@pdi.ucm.es (N.B.); mvarela@fis.ucm.es (M.V.)

² Institute for Optoelectronic Systems and Microtechnology, Polytechnic University of Madrid, Avenida Complutense 30, 28040 Madrid, Spain; marco.maicas@upm.es

³ Instituto Pluridisciplinar, Universidad Complutense de Madrid, Paseo Juan XXIII 1, 28040 Madrid, Spain

⁴ Instituto de Magnetismo Aplicado, Universidad Complutense de Madrid-Adif-Consejo Superior de Investigaciones Científicas, P.O. Box 155, Las Rozas, Madrid 28230, Spain

* Correspondence: rociran@ucm.es

SEM images of samples deposited at -1.150 V for electrolytes I and II, respectively.

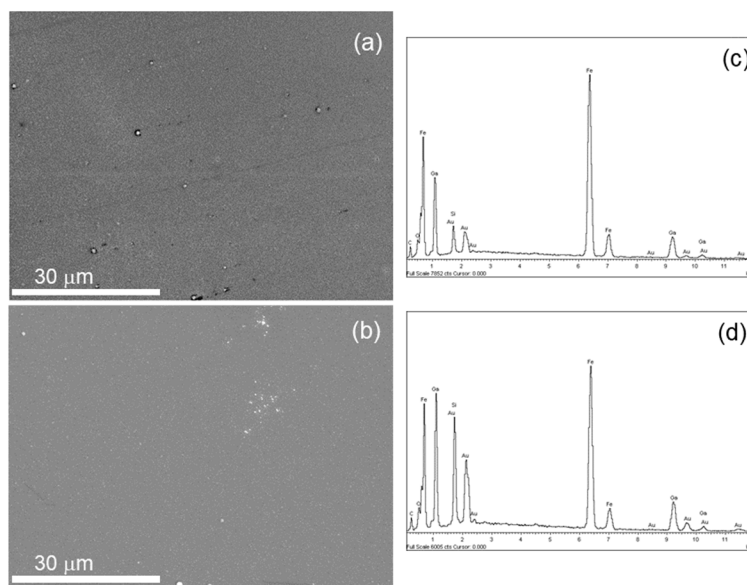


Figure S1. SEM images for samples grown with electrolytes I and II for a potential of -1.150 V. (a) Electrolyte I. (b) Electrolyte II. (c) and (d) are EDS spectrum of samples of (a) and (b), respectively.

Root-mean-square (rms) obtained from the AFM images for the samples studied in this work. rms for uncoated substrates is 3.4 nm.

Elec.	Potential (V)	rms (nm)
I	-1.150	9.8
	-1.100	14.0
	-1.075	11.3
	-1.150	9.7
II	-1.100	8.6
	-1.075	8.7
	-1.150	3D
	-1.100	3D
III	-1.075	3D
	-1.150	13.3

-1.100	12.8
-1.075	11.9