

# Stefano Rubino

## List of Publications by Year in descending order

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35  
papers

1,248  
citations

361413

20  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of magnetic circular dichroism using a transmission electron microscope. <i>Nature</i> , 2006, 441, 486-488.	27.8	331
2	Detection of magnetic circular dichroism on the two-nanometer scale. <i>Physical Review B</i> , 2008, 78, .	3.2	96
3	First-principles theory of chiral dichroism in electron microscopy applied to 3d ferromagnets. <i>Physical Review B</i> , 2007, 75, .	3.2	86
4	Mild sonochemical exfoliation of bromine-intercalated graphite: a new route towards graphene. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 112003.	2.8	64
5	A site-specific focused-ion-beam lift-out method for cryo Transmission Electron Microscopy. <i>Journal of Structural Biology</i> , 2012, 180, 572-576.	2.8	63
6	In vivo and in vitro evaluation of hydroxyapatite nanoparticle morphology on the acute inflammatory response. <i>Biomaterials</i> , 2016, 90, 1-11.	11.4	63
7	Magnetic circular dichroism in EELS: Towards 10nm resolution. <i>Ultramicroscopy</i> , 2008, 108, 433-438.	1.9	59
8	Direct "Click" Synthesis of Hybrid Bisphosphonate-Hyaluronic Acid Hydrogel in Aqueous Solution for Biom mineralization. <i>Chemistry of Materials</i> , 2012, 24, 1690-1697.	6.7	47
9	Reciprocal and real space maps for EMCD experiments. <i>Ultramicroscopy</i> , 2010, 110, 1380-1389.	1.9	38
10	Local electronic structure information contained in energy-filtered diffraction patterns. <i>Physical Review B</i> , 2011, 84, .	3.2	36
11	Energy loss magnetic chiral dichroism: A new technique for the study of magnetic properties in the electron microscope (invited). <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	34
12	Energy-loss magnetic chiral dichroism (EMCD): Magnetic chiral dichroism in the electron microscope. <i>Journal of Materials Research</i> , 2008, 23, 2582-2590.	2.6	32
13	Optimal aperture sizes and positions for EMCD experiments. <i>Ultramicroscopy</i> , 2008, 108, 865-872.	1.9	31
14	Magnetic circular dichroism in electron energy loss spectrometry. <i>Ultramicroscopy</i> , 2008, 108, 277-284.	1.9	30
15	Impact of matrix properties on the survival of freeze-dried bacteria. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 2518-2528.	3.5	28
16	Quantitative analysis of magnetic spin and orbital moments from an oxidized iron (1 1 0) surface using electron magnetic circular dichroism. <i>Scientific Reports</i> , 2015, 5, 13012.	3.3	27
17	Experimental and theoretical studies on stainless steel transfer onto a TiN-coated cutting tool. <i>Acta Materialia</i> , 2011, 59, 68-74.	7.9	25
18	Influence of plural scattering on the quantitative determination of spin and orbital moments in electron magnetic chiral dichroism measurements. <i>Physical Review B</i> , 2011, 83, .	3.2	24

#	ARTICLE	IF	CITATIONS
19	Spatial Mapping of Elemental Distributions in Polypyrrole-Cellulose Nanofibers using Energy-Filtered Transmission Electron Microscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13644-13649.	2.6	22
20	Cu out-diffusion in kesteritesâ€”A transmission electron microscopy specimen preparation artifact. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	22
21	Asymmetry of the twoâ€”beam geometry in EMCD experiments. <i>Journal of Microscopy</i> , 2010, 237, 465-468.	1.8	19
22	Simulation of magnetic circular dichroism in the electron microscope. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 474005.	2.8	14
23	A Simple Transmission Electron Microscopy Method for Fast Thickness Characterization of Suspended Graphene and Graphite Flakes. <i>Microscopy and Microanalysis</i> , 2016, 22, 250-256.	0.4	13
24	Quantitative magnetic measurements with transmission electron microscope. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1478-1480.	2.3	12
25	Formulations for Freeze-drying of Bacteria and Their Influence on Cell Survival. <i>Journal of Visualized Experiments</i> , 2013, , .	0.3	10
26	Highly repeatable synthesis of nHA with high aspect ratio. <i>Materials Letters</i> , 2015, 159, 163-167.	2.6	9
27	Dynamics of SiO <sub>2</sub> Buried Layer Removal from Si-SiO <sub>2</sub> -Si and Si-SiO <sub>2</sub> -SiC Bonded Substrates by Annealing in Ar. <i>Journal of Electronic Materials</i> , 2014, 43, 541-547.	2.2	4
28	Cryo-electron Microscopy Specimen Preparation By Means Of a Focused Ion Beam. <i>Journal of Visualized Experiments</i> , 2014, , e51463.	0.3	4
29	Verification of Electron Magnetic Chiral Dichroism in a TEM by Reversing the Specimen's Magnetisation. <i>Microscopy and Microanalysis</i> , 2007, 13, 12-13.	0.4	2
30	Observation of Magnetic Circular Dichroism in the Electron Microscope. <i>Microscopy and Microanalysis</i> , 2006, 12, 960-961.	0.4	1
31	Circular Dichroism in the Transmission Electron Microscope. , 2007, , 1-11.		1
32	Observation of Circular Dichroism in the TEM. <i>Microscopy and Microanalysis</i> , 2004, 10, 836-837.	0.4	0
33	EMCD: Magnetic Chiral Dichroism in the Electron Microscope. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1026, 1.	0.1	0
34	Reciprocal Space Signals Arising from Interference of Core-Loss Electrons in the EMCD Geometry. <i>Microscopy and Microanalysis</i> , 2011, 17, 812-813.	0.4	0
35	Detection of Magnetic Circular Dichroism Using TEM and EELS. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2012, , 419-427.	0.3	0