

# Anabela G Rolo

## List of Publications by Year in descending order

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54  
papers

1,111  
citations

394286

19  
h-index

395590

33  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1726  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of thermoelectric properties on Bi <sub>2</sub> Te <sub>3</sub> thin films deposited by thermal co-evaporation. <i>Thin Solid Films</i> , 2010, 518, 2816-2821.	0.8	200
2	Î±- and Î³-PVDF: Crystallization kinetics, microstructural variations and thermal behaviour. <i>Materials Chemistry and Physics</i> , 2010, 122, 87-92.	2.0	96
3	Raman spectroscopy of optical phonons confined in semiconductor quantum dots and nanocrystals. <i>Journal of Raman Spectroscopy</i> , 2007, 38, 618-633.	1.2	95
4	Thermal co-evaporation of Sb <sub>2</sub> Te <sub>3</sub> thin-films optimized for thermoelectric applications. <i>Thin Solid Films</i> , 2011, 519, 4152-4157.	0.8	91
5	Impact of disorder on optical phonons confined in CdS nano-crystallites embedded in a SiO <sub>2</sub> matrix. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 3491-3509.	0.7	45
6	FIR Absorption in CdSe Quantum Dot Ensembles. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 224, 599-604.	0.7	37
7	Third-Order Optical Nonlinearities in Thin Films of CdS Nanocrystals. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 224, 319-324.	0.7	30
8	X-ray diffraction and Raman study of nanogranular BaTiO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> thin films deposited by laser ablation on Si/Pt substrates. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 1731-1737.	0.8	30
9	The effect of ionic Co presence on the structural, optical and photocatalytic properties of modified cobalt-titanate nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18081-18093.	1.3	28
10	Evolution of the surface plasmon resonance of Au:TiO <sub>2</sub> nanocomposite thin films with annealing temperature. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	27
11	Self-assembling of Ge quantum dots in an alumina matrix. <i>Physical Review B</i> , 2010, 82, .	1.1	26
12	Resonant Raman scattering in ZnO:Mn and ZnO:Mn:Al thin films grown by RF sputtering. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 334205.	0.7	26
13	Confined Optical Vibrations in CdTe Quantum Dots and Clusters. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 229, 433-437.	0.7	25
14	Raman and XRD studies of Ge nanocrystals in alumina films grown by RF-magnetron sputtering. <i>Vacuum</i> , 2008, 82, 1466-1469.	1.6	25
15	Phosphorous and boron doping of nc-Si:H thin films deposited on plastic substrates at 150°C by Hot-Wire Chemical Vapor Deposition. <i>Thin Solid Films</i> , 2008, 516, 576-579.	0.8	25
16	Ferroelectric characterization of aligned barium titanate nanofibres. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 105304.	1.3	23
17	Structural properties of Ge nano-crystals embedded in SiO <sub>2</sub> films from X-ray diffraction and Raman spectroscopy. <i>Thin Solid Films</i> , 1998, 336, 58-62.	0.8	22
18	Anomalous first-order Raman scattering in III-V quantum dots: Optical deformation potential interaction. <i>Physical Review B</i> , 2008, 78, .	1.1	21

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19	HRTEM and GIXRD studies of CdS nanocrystals embedded in Al <sub>2</sub> O <sub>3</sub> films produced by magnetron RF-sputtering. <i>Journal of Crystal Growth</i> , 2003, 247, 371-380.	0.7	20
20	Low-temperature fabrication of layered self-organized Ge clusters by RF-sputtering. <i>Nanoscale Research Letters</i> , 2011, 6, 341.	3.1	18
21	Raman study of insulating and conductive ZnO:(Al, Mn) thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2345-2354.	0.8	16
22	Copper(II)-imidazole Salen Complexes Encapsulated into NaY Zeolite for Oxidations Reactions. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5408-5417.	1.0	14
23	Raman study of doped ZnO thin films grown by rf sputtering. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2290-2293.	0.8	13
24	Formation of void lattice after annealing of Ge quantum dot lattice in alumina matrix. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	13
25	Nanogranular BaTiO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> thin films deposited by pulsed laser ablation. <i>Journal of Applied Physics</i> , 2007, 101, 09M101.	1.1	11
26	Size and spatial homogeneity of SiGe quantum dots in amorphous silica matrix. <i>Journal of Applied Physics</i> , 2009, 106, 084319.	1.1	11
27	Mn-doped ZnO nanocrystals embedded in Al <sub>2</sub> O <sub>3</sub> : structural and electrical properties. <i>Nanotechnology</i> , 2010, 21, 505705.	1.3	11
28	Carrier storage in Ge nanoparticles produced by pulsed laser deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 223-225.	1.2	11
29	Probing the Exciton Density of States in Semiconductor Nanocrystals Using Integrated Photoluminescence Spectroscopy. <i>Monatshefte für Chemie</i> , 2002, 133, 909-918.	0.9	10
30	Production and PFM Characterization of Barium Titanate Nanofibers. <i>Ferroelectrics</i> , 2012, 429, 48-55.	0.3	10
31	Structural and electrical studies of ultrathin layers with Si <sub>0.7</sub> Ge <sub>0.3</sub> nanocrystals confined in a SiGe/SiO <sub>2</sub> superlattice. <i>Journal of Applied Physics</i> , 2012, 111, 104323.	1.1	10
32	Charge trapping properties and retention time in amorphous SiGe/SiO <sub>2</sub> nanolayers. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 095306.	1.3	9
33	Investigation of photoelectrical properties of CdSe nanocrystals embedded in a SiO <sub>2</sub> matrix. <i>Semiconductor Science and Technology</i> , 2008, 23, 095025.	1.0	8
34	Structural and Optical Properties of Ge Nanocrystals Embedded in Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 572-576.	0.9	8
35	Electrical and Raman Scattering Studies of ZnO:P and ZnO:Sb Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2620-2623.	0.9	8
36	A shadowed off-axis production of Ge nanoparticles in Ar gas atmosphere by pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 110, 585-590.	1.1	7

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37	Charge storage behavior of nanostructures based on SiGe nanocrystals embedded in Al <sub>2</sub> O <sub>3</sub> matrix. European Physical Journal B, 2013, 86, 1.	0.6	5
38	SiGe layer thickness effect on the structural and optical properties of well-organized SiGe/SiO <sub>2</sub> multilayers. Nanotechnology, 2017, 28, 345701.	1.3	5
39	Confinement effect in CdTe nanocrystals embedded in silica thin films. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1500-1504.	0.8	4
40	Ge nanocrystals in alumina matrix: A structural study. Journal of Physics: Conference Series, 2010, 209, 012060.	0.3	3
41	Ge nanocrystals with highly uniform size distribution deposited on alumina at room temperature by pulsed laser deposition: structural, morphological, and charge trapping properties. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	3
42	Lithium cobalt oxide crystallization on flexible polyimide substrate. Journal of Materials Science: Materials in Electronics, 2016, 27, 631-636.	1.1	3
43	ZnO Thin Films Implanted with Al, Sb and P: Optical, Structural and Electrical Characterization. Journal of Nanoscience and Nanotechnology, 2009, 9, 3574-3577.	0.9	2
44	Study of the substitution effect of Mn doped in ZnO matrix. EPJ Applied Physics, 2010, 50, 30801.	0.3	2
45	Structural and Raman characterization of nanogranular BaTiO <sub>3</sub> -NiFe <sub>2</sub> O <sub>4</sub> thin films deposited by laser ablation on Si/Pt substrates. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2720-2723.	0.8	2
46	Influence of RF-sputtering power on formation of vertically stacked Si <sub>1-x</sub> Ge <sub>x</sub> nanocrystals between ultra-thin amorphous Al <sub>2</sub> O <sub>3</sub> layers: structural and photoluminescence properties. Journal Physics D: Applied Physics, 2013, 46, 385301.	1.3	1
47	Ordered La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> nanohole arrays fabricated on a nanoporous alumina template by pulsed laser ablation. Nanotechnology, 2016, 27, 125303.	1.3	1
48	Resonant Raman Scattering In Spherical InP QDs: The Role Of The Optical Deformation Potential Interaction. AIP Conference Proceedings, 2005, , .	0.3	0
49	Resonant Raman scattering on optical phonons confined in spherical semiconductor nanocrystals: ODP interaction and polaron effects. AIP Conference Proceedings, 2007, , .	0.3	0
50	Structural and photoluminescence studies of erbium-implanted nanocrystalline silicon thin films. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2161-2165.	0.8	0
51	Electrical Conduction of CdSe Nanocrystals Embedded in Silicon Oxide Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 3418-3423.	0.9	0
52	Growth and characterization of Mn-doped ZnO/TiO <sub>2</sub> multilayer nanostructures grown by pulsed laser deposition. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2724-2726.	0.8	0
53	THERMAL STABILITY OF ENERGY-EMISSION FROM CdTe NANOCRYSTALS EMBEDDED IN SiO <sub>2</sub> THIN FILMS. Modern Physics Letters B, 2010, 24, 2837-2843.	1.0	0
54	Investigation of Surface Plasmon Resonance in Gold/Alumina Composite Films Prepared by rf-Sputtering. Journal of Nanoscience and Nanotechnology, 2010, 10, 2858-2862.	0.9	0