

Daniela Ghica

List of Publications by Year in descending order

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53
papers

668
citations

623734

14
h-index

642732

23
g-index

54
all docs

54
docs citations

54
times ranked

928
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarization induced self-doping in epitaxial Pb(Zr _{0.20} Ti _{0.80})O ₃ thin films. Scientific Reports, 2015, 5, 14974.	3.3	56
2	Wet chemical synthesis of ZnO-CdS composites and their photocatalytic activity. Materials Research Bulletin, 2018, 99, 174-181.	5.2	46
3	Substitutional and surface Mn ²⁺ centers in cubic ZnS:Mn nanocrystals. A correlated EPR and photoluminescence study. Physical Review B, 2011, 83, ...	3.4	34
4	Magnetic defects in crystalline Zn(OH) ₂ and nanocrystalline ZnO resulting from its thermal decomposition. Journal of Alloys and Compounds, 2013, 548, 222-227.	5.5	34
5	On the role of Fe ions on magnetic properties of doped TiO ₂ nanoparticles. Applied Physics Letters, 2015, 106, .	3.3	34
6	Multidisciplinary characterization of melanin pigments from the black fungus Cryomyces antarcticus. Applied Microbiology and Biotechnology, 2020, 104, 6385-6395.	3.6	33
7	Crystallization of Disordered Nanosized ZnO Formed by Thermal Decomposition of Nanocrystalline Hydrozincite. Crystal Growth and Design, 2011, 11, 5030-5038.	3.0	29
8	Correlation of Lattice Disorder with Crystallite Size and the Growth Kinetics of Mn ²⁺ -Doped ZnO Nanocrystals Probed by Electron Paramagnetic Resonance. Crystal Growth and Design, 2013, 13, 1350-1359.	3.0	25
9	Nanoclustered Pd decorated nanocrystalline Zn doped SnO ₂ for ppb NO ₂ detection at low temperature. Sensors and Actuators B: Chemical, 2019, 294, 148-156.	7.8	25
10	Mn ²⁺ ions distribution in doped sol-gel deposited ZnO films. Applied Surface Science, 2017, 396, 1880-1889.	6.1	21
11	Pulsed laser deposition of lithium niobate: a parametric study. Applied Surface Science, 1999, 138-139, 617-621.	6.1	18
12	Sequential Thermal Decomposition of the Shell of Cubic ZnS/Zn(OH) ₂ Core-Shell Quantum Dots Observed With Mn ²⁺ Probing Ions. Journal of Physical Chemistry C, 2013, 117, 22017-22028.	3.1	17
13	Influence of surfactant-tailored Mn-doped ZnO nanoparticles on ROS production and DNA damage induced in murine fibroblast cells. Scientific Reports, 2020, 10, 18062.	3.3	17
14	Structural phase transformations in annealed cubic ZnS nanocrystals. Journal of Nanoparticle Research, 2011, 13, 4325-4335.	1.9	15
15	Doping Ultrasmall Cubic ZnS Nanocrystals with Mn ²⁺ Ions over a Broad Nominal Concentration Range. Journal of Physical Chemistry C, 2015, 119, 23781-23789.	3.1	15
16	Spin dynamics in ⁵⁷ Fe-doped TiO ₂ anatase nanoparticles. Physica Status Solidi (B): Basic Research, 2011, 248, 2927-2931.	1.5	14
17	Aggregates of Mn ²⁺ Ions in Mesoporous Self-Assembled Cubic ZnS:Mn Quantum Dots: Composition, Localization, Structure, and Magnetic Properties. Journal of Physical Chemistry C, 2016, 120, 14454-14466.	3.1	14
18	C-N cross-coupling on supported copper catalysts: The effect of the support, oxidation state, base and solvent. Journal of Catalysis, 2016, 341, 205-220.	6.2	14

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19	On the agent role of Mn ²⁺ in redirecting the synthesis of Zn(OH) ₂ towards nano-ZnO with variable morphology. RSC Advances, 2016, 6, 106732-106741.	3.6	14
20	X- and Q-band ENDOR study of the Fe(II) center in chlorinated SrCl ₂ :Fe crystals. Physical Review B, 2004, 70, .	3.2	13
21	Tailoring the Dopant Distribution in ZnO:Mn Nanocrystals. Scientific Reports, 2019, 9, 6894.	3.3	13
22	Specificity of defects induced in silicon by RF-plasma hydrogenation. Applied Physics A: Materials Science and Processing, 2010, 98, 777-785.	2.3	12
23	Distribution and interaction of Mn ²⁺ ions incorporated in cubic ZnS quantum dots over a broad concentration range. Journal of Alloys and Compounds, 2016, 662, 193-199.	5.5	12
24	Insights about CO Gas-Sensing Mechanism with NiO-Based Gas Sensors – The Influence of Humidity. Chemosensors, 2021, 9, 244.	3.6	12
25	Evaluation of the Segregation of Paramagnetic Impurities at Grain Boundaries in Nanostructured ZnO Films. ACS Applied Materials & Interfaces, 2014, 6, 14231-14238.	8.0	11
26	Nanosize induced effects in luminescent ZnS:Mn ²⁺ quantum dots. Radiation Measurements, 2013, 56, 40-43.	1.4	10
27	Pulse annealing electron paramagnetic resonance with probing transition ions. Journal of Thermal Analysis and Calorimetry, 2014, 118, 1021-1031.	3.6	10
28	Co environment and magnetic defects in anatase Co _x Ti _{1-x} O ₂ nanopowders. Applied Physics Letters, 2013, 102, .	3.3	9
29	Multifrequency ESR Characterization of Paramagnetic Point Defects in Semiconducting Cubic BN Crystals. Applied Magnetic Resonance, 2010, 39, 87-101.	1.2	8
30	Local Structure at Mn ²⁺ Ions in Vacuum Annealed Small Cubic ZnS Nanocrystals Self-Assembled Into a Mesoporous Structure. Journal of Nanoscience and Nanotechnology, 2011, 11, 9296-9303.	0.9	8
31	Ferritin surplus in mouse spleen 14 months after intravenous injection of iron oxide nanoparticles at clinical dose. Nano Research, 2016, 9, 2398-2410.	10.4	8
32	Influence of relative humidity on CO ₂ interaction mechanism for Gd-doped SnO ₂ with respect to pure SnO ₂ and Gd ₂ O ₃ . Sensors and Actuators B: Chemical, 2022, 368, 132130.	7.8	8
33	ZnS and ZnO Semiconductor Nanoparticles Doped with Mn ²⁺ Ions. Size Effects Investigated by EPR Spectroscopy. Springer Series in Materials Science, 2014, , 3-27.	0.6	7
34	ESR characterization of point defects in amber colored c-BN super abrasive powders. Physica Status Solidi A, 2004, 201, 2583-2590.	1.7	6
35	High frequency ESR of native point defects in beryllium doped c-BN single crystals. Physica Status Solidi A, 2004, 201, 2591-2598.	1.7	5
36	Lattice defect assisted incorporation of Mn ²⁺ ions in cubic II-VI semiconductor quantum dots. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012024.	0.6	5

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37	New coordination polymers with chromato bridges: $1\frac{1}{4}[\text{Ni}(\text{phen})(\text{H}_2\text{O})_2(\frac{1}{4}\text{-O}_2\text{CrO}_2)]$ and $3\frac{1}{4}[\text{Mn}(4,4\text{-bipy})(\text{H}_2\text{O})(\frac{1}{4}\text{-O}_3\text{CrO})]\cdot\text{H}_2\text{O}$. <i>Inorganica Chimica Acta</i> , 2015, 426, 50-54.	2.4	5
38	Insight on Ni(II) and Cu(II) complexes of biguanide derivatives developed as effective antimicrobial and antitumour agents. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6155.	3.5	5
39	Electron Small Polaron and Magnetic Interactions Direct Anisotropic Growth of Silicon-Doped Hematite Nanocrystals. <i>Crystal Growth and Design</i> , 2020, 20, 4719-4730.	3.0	4
40	Sensing Properties of NiO Loaded SnO ₂ Nanoparticles Specific Selectivity to H ₂ S. <i>Chemosensors</i> , 2021, 9, 125.	3.6	4
41	Effects of Calcination Temperature on CO-Sensing Mechanism for NiO-Based Gas Sensors. <i>Chemosensors</i> , 2022, 10, 191.	3.6	4
42	High atomic diffusivity during pulsed laser irradiation of TiON quasi-amorphous films. <i>Applied Surface Science</i> , 2016, 374, 248-251.	6.1	3
43	Origin and chemical composition of the amorphous material from the intergrain pores of self-assembled cubic ZnS:Mn nanocrystals. <i>Applied Surface Science</i> , 2017, 426, 342-350.	6.1	3
44	EPR study of the Fe ^{+(IIa)} centre in chlorinated SrCl ₂ :Fe crystals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 57-60.	0.8	2
45	Electron magnetic resonance and Mössbauer studies on iron doped SnO ₂ nanoparticles. <i>Hyperfine Interactions</i> , 2012, 205, 111-115.	0.5	2
46	High-optical-quality LiNbO ₃ thin films obtained by pulsed laser deposition. , 1998, , .		1
47	X and Q-band endor study of the Fe ⁺ (I) center in chlorinated SrCl ₂ single crystals. <i>Radiation Effects and Defects in Solids</i> , 2001, 155, 107-111.	1.2	1
48	Electron-trapping centers and interstitials in chlorinated SrCl ₂ :Fe single crystals. <i>Physical Review B</i> , 2006, 73, .	3.2	1
49	Electron paramagnetic resonance and microstructural insights into the thermal behavior of simonkolleite nanoplatelets. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9503-9512.	2.8	1
50	Laser treatment of a-SiC:H thin films for optoelectronic applications. , 1998, , .		0
51	Multilayer structures deposited by laser ablation. <i>Sensors and Actuators A: Physical</i> , 1999, 74, 27-30.	4.1	0
52	Localization and movement of native interstitials in chlorinated SrCl ₂ :Fe crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 695-698.	1.8	0
53	Irradiation defects in superhard cubic boron nitride single crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 2784-2787.	1.4	0