Daniela Ghica

List of Publications by Year
in descending order

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53	668	623734	642732
papers	citations	14 h-index	23 g-index

54	54	54	928
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Calcination Temperature on CO-Sensing Mechanism for NiO-Based Gas Sensors. Chemosensors, 2022, 10, 191.	3.6	4
2	Influence of relative humidity on CO2 interaction mechanism for Gd-doped SnO2 with respect to pure SnO2 and Gd2O3. Sensors and Actuators B: Chemical, 2022, 368, 132130.	7.8	8
3	Sensing Properties of NiO Loaded SnO2 Nanoparticlesâ€"Specific Selectivity to H2S. Chemosensors, 2021, 9, 125.	3.6	4
4	Insights about CO Gas-Sensing Mechanism with NiO-Based Gas Sensorsâ€"The Influence of Humidity. Chemosensors, 2021, 9, 244.	3.6	12
5	Insight on Ni(II) and Cu(II) complexes of biguanide derivatives developed as effective antimicrobial and antitumour agents. Applied Organometallic Chemistry, 2021, 35, e6155.	3.5	5
6	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
7	Electron Small Polaron and Magnetic Interactions Direct Anisotropic Growth of Silicon-Doped Hematite Nanocrystals. Crystal Growth and Design, 2020, 20, 4719-4730.	3.0	4
8	Electron paramagnetic resonance and microstructural insights into the thermal behavior of simonkolleite nanoplatelets. Physical Chemistry Chemical Physics, 2020, 22, 9503-9512.	2.8	1
9	Multidisciplinary characterization of melanin pigments from the black fungus Cryomyces antarcticus. Applied Microbiology and Biotechnology, 2020, 104, 6385-6395.	3.6	33
10	Nanoclustered Pd decorated nanocrystalline Zn doped SnO2 for ppb NO2 detection at low temperature. Sensors and Actuators B: Chemical, 2019, 294, 148-156.	7.8	25
11	Tailoring the Dopant Distribution in ZnO:Mn Nanocrystals. Scientific Reports, 2019, 9, 6894.	3.3	13
12	Wet chemical synthesis of ZnO-CdS composites and their photocatalytic activity. Materials Research Bulletin, 2018, 99, 174-181.	5.2	46
13	Mn2+ ions distribution in doped solâ€"gel deposited ZnO films. Applied Surface Science, 2017, 396, 1880-1889.	6.1	21
14	Origin and chemical composition of the amorphous material from the intergrain pores of self-assembled cubic ZnS:Mn nanocrystals. Applied Surface Science, 2017, 426, 342-350.	6.1	3
15	Aggregates of Mn²⁺ 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
16	Câ€"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
17	On the agent role of Mn²⁺ in redirecting the synthesis of Zn(OH)₂ towards nano-ZnO with variable morphology. RSC Advances, 2016, 6, 106732-106741.	3.6	14
18	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

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19	High atomic diffusivity during pulsed laser irradiation of TiON quasi-amorphous films. Applied Surface Science, 2016, 374, 248-251.	6.1	3
20	Distribution and interaction of Mn2+ ions incorporated in cubic ZnS quantum dots over a broad concentration range. Journal of Alloys and Compounds, 2016, 662, 193-199.	5.5	12
21	Polarization induced self-doping in epitaxial Pb(Zr0.20Ti0.80)O3 thin films. Scientific Reports, 2015, 5, 14974.	3.3	56
22	On the role of Fe ions on magnetic properties of doped TiO2 nanoparticles. Applied Physics Letters, 2015, 106, .	3.3	34
23	Doping Ultrasmall Cubic ZnS Nanocrystals with Mn²⁺ Ions over a Broad Nominal Concentration Range. Journal of Physical Chemistry C, 2015, 119, 23781-23789.	3.1	15
24	New coordination polymers with chromato bridges: 1âˆž[Ni(phen)(H2O)2(Î¼-O2CrO2)] and 3âˆž[Mn(4,4â€²-bipy)(H2O)(Î¼-O3CrO)]Â·H2O. Inorganica Chimica Acta, 2015, 426, 50-54.	2.4	5
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	Pulse annealing electron paramagnetic resonance with probing transition ions. Journal of Thermal Analysis and Calorimetry, 2014, 118, 1021-1031.	3.6	10
27	ZnS and ZnO Semiconductor Nanoparticles Doped with Mn2+ Ions. Size Effects Investigated by EPR Spectroscopy. Springer Series in Materials Science, 2014, , 3-27.	0.6	7
28	Co environment and magnetic defects in anatase CoxTi1âˆ’xO2 nanopowders. Applied Physics Letters, 2013, 102, .	3.3	9
29	Sequential Thermal Decomposition of the Shell of Cubic ZnS/Zn(OH)₂ Coreâ€“Shell Quantum Dots Observed With Mn²⁺ Probing Ions. Journal of Physical Chemistry C, 2013, 117, 22017-22028.	3.1	17
30	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
31	Nanosize induced effects in luminescent ZnS:Mn2+ quantum dots. Radiation Measurements, 2013, 56, 40-43.	1.4	10
32	Correlation of Lattice Disorder with Crystallite Size and the Growth Kinetics of Mn2+Doped ZnO Nanocrystals Probed by Electron Paramagnetic Resonance. Crystal Growth and Design, 2013, 13, 1350-1359.	3.0	25
33	Electron magnetic resonance and MÃ¶ssbauer studies on iron doped SnO 2 nanoparticles. Hyperfine Interactions, 2012, 205, 111-115.	0.5	2
34	Substitutional and surface Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mrow></mml:math> centers in cubic ZnS:Mn nanocrystals. A correlated EPR and photoluminescence study. Physical Review B, 2011, 83, .	3.2	34
35	Crystallization of Disordered Nanosized ZnO Formed by Thermal Decomposition of Nanocrystalline Hydrozincite. Crystal Growth and Design, 2011, 11, 5030-5038.	3.0	29
36	Local Structure at Mn²⁺ 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

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37	Structural phase transformations in annealed cubic ZnS nanocrystals. Journal of Nanoparticle Research, 2011, 13, 4325-4335.	1.9	15
38	Spin dynamics in ⁵⁷Feâ€doped TiO₂ anatase nanoparticles. Physica Status Solidi (B): Basic Research, 2011, 248, 2927-2931.	1.5	14
39	Specificity of defects induced in silicon by RF-plasma hydrogenation. Applied Physics A: Materials Science and Processing, 2010, 98, 777-785.	2.3	12
40	Multifrequency ESR Characterization of Paramagnetic Point Defects in Semiconducting Cubic BN Crystals. Applied Magnetic Resonance, 2010, 39, 87-101.	1.2	8
41	Lattice defect assisted incorporation of Mn2+ions in cubic II-VI semiconductor quantum dots. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012024.	0.6	5
42	Irradiation defects in superhard cubic boron nitride single crystals. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2784-2787.	1.4	0
43	Localization and movement of native interstitials in chlorinated SrCl2:Fe crystals. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 695-698.	1.8	0
44	Electron-trapping centers and interstitials in chlorinatedSrCl2:Fesingle crystals. Physical Review B, 2006, 73, .	3.2	1
45	EPR study of the Fe+(IIa) centre in chlorinated SrCl2:Fe crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 57-60.	0.8	2
46	ESR characterization of point defects in amber colored c-BN super abrasive powders. Physica Status Solidi A, 2004, 201, 2583-2590.	1.7	6
47	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
48	X- andQ-bandENDORstudy of theFe+(II)center in chlorinatedSrCl2:Fecrystals. Physical Review B, 2004, 70, .	3.2	13
49	X and Q-band endor study of the Fe⁺(I) center in chlorinated SrCl₂single crystals. Radiation Effects and Defects in Solids, 2001, 155, 107-111.	1.2	1
50	Multilayer structures deposited by laser ablation. Sensors and Actuators A: Physical, 1999, 74, 27-30.	4.1	0
51	Pulsed laser deposition of lithium niobate: a parametric study. Applied Surface Science, 1999, 138-139, 617-621.	6.1	18
52	High-optical-quality LiNbO 3 thin films obtained by pulsed laser deposition. , 1998, , .		1
53	Laser treatment of a-SiC:H thin films for optoelectronic applications. , 1998, , .		0