

Daniel Grando Stroppa

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,272
citations

361413

20
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361022

35
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41
all docs

41
docs citations

41
times ranked

2422
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and growth mechanism of CuO plates obtained by microwave-hydrothermal without surfactants. <i>Advanced Powder Technology</i> , 2010, 21, 197-202.	4.1	110
2	Amorphous oxygen-rich molybdenum oxysulfide Decorated p-type silicon microwire Arrays for efficient photoelectrochemical water reduction. <i>Nano Energy</i> , 2015, 16, 130-142.	16.0	85
3	Evolution of reduced Ti containing phase(s) in MgH ₂ /TiO ₂ system and its effect on the hydrogen storage behavior of MgH ₂ . <i>Journal of Power Sources</i> , 2017, 362, 174-183.	7.8	83
4	Anisotropic Growth of Oxide Nanocrystals: Insights into the Rutile TiO ₂ Phase. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5871-5875.	3.1	78
5	Synthesis of recrystallized anatase TiO ₂ mesocrystals with Wulff shape assisted by oriented attachment. <i>Nanoscale</i> , 2011, 3, 1910.	5.6	76
6	A Joint Experimental and Theoretical Study on the Nanomorphology of CaWO ₄ Crystals. <i>Journal of Physical Chemistry C</i> , 2011, 115, 20113-20119.	3.1	73
7	Unveiling the Chemical and Morphological Features of Sb ³⁺ SnO ₂ Nanocrystals by the Combined Use of High-Resolution Transmission Electron Microscopy and ab Initio Surface Energy Calculations. <i>Journal of the American Chemical Society</i> , 2009, 131, 14544-14548.	13.7	61
8	A supramolecular strategy based on molecular dipole moments for high-quality covalent organic frameworks. <i>Chemical Communications</i> , 2016, 52, 7986-7989.	4.1	50
9	Diffraction from Disordered Stacking Sequences in MoS ₂ and WS ₂ Fullerenes and Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24350-24357.	3.1	49
10	Nanocrystalline silicon: lattice dynamics and enhanced thermoelectric properties. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25701-25709.	2.8	49
11	Pulsed Hybrid Reactive Magnetron Sputtering for High <i>zT</i> Cu ₂ Se Thermoelectric Films. <i>Advanced Materials Technologies</i> , 2017, 2, 1700012.	5.8	42
12	Nanotubes from Chalcogenide Misfit Compounds: Sn ²⁺ S and Nb ⁴⁺ Pb ²⁺ S. <i>Accounts of Chemical Research</i> , 2014, 47, 406-416.	15.6	40
13	Stable colloidal suspensions of nanostructured zirconium oxide synthesized by hydrothermal process. <i>Journal of Nanoparticle Research</i> , 2010, 12, 3105-3110.	1.9	38
14	Sub-Micrometer Magnetic Nanocomposites: Insights into the Effect of Magnetic Nanoparticles Interactions on the Optimization of SAR and MRI Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25777-25787.	8.0	38
15	Anomalous oriented attachment growth behavior on SnO ₂ nanocrystals. <i>Chemical Communications</i> , 2011, 47, 3117.	4.1	35
16	High Resolution Electron Microscopy Study of Nanocubes and Polyhedral Nanocrystals of Cerium(IV) Oxide. <i>Chemistry of Materials</i> , 2013, 25, 2028-2034.	6.7	35
17	New High-Temperature Pb-Catalyzed Synthesis of Inorganic Nanotubes. <i>Journal of the American Chemical Society</i> , 2012, 134, 16379-16386.	13.7	33
18	Pr ₂ O ₂ SO ₄ •La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₂ a new category of composite cathode for intermediate temperature-solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12636-12641.	10.3	32

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19	Formation of Mg ²⁺ Nb ⁵⁺ O rock salt structures in a series of mechanochemically activated MgH ₂ + λ Nb ₂ O ₅ ($\lambda=0.083$ -1.50) mixtures. International Journal of Hydrogen Energy, 2016, 41, 2677-2688.	7.1	31
20	Investigation of Rhenium-Doped MoS ₂ Nanoparticles with Fullerene-Like Structure. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2610-2616.	1.2	21
21	Dopant Segregation Analysis on Sb:SnO ₂ Nanocrystals. Chemistry - A European Journal, 2011, 17, 11515-11519.	3.3	19
22	Water-Gas Shift and Methane Reactivity on Reducible Perovskite-Type Oxides. Journal of Physical Chemistry C, 2015, 119, 11739-11753.	3.1	19
23	Sn ₃ O ₄ single crystal nanobelts grown by carbothermal reduction process. Journal of Crystal Growth, 2010, 312, 2881-2886.	1.5	18
24	Synthesis of functionalized magnetite nanoparticles using only oleic acid and iron (III) acetylacetonate. SN Applied Sciences, 2019, 1, 1.	2.9	17
25	Arsenic entrapment by nanocrystals of Al-magnetite: The role of Al in crystal growth and As retention. Chemosphere, 2016, 158, 91-99.	8.2	16
26	Antimony-Doped Tin Oxide Nanocrystals: Synthesis and Solubility Behavior in Organic Solvents. ChemPhysChem, 2009, 10, 841-846.	2.1	15
27	Analysis of Dopant Atom Distribution and Quantification of Oxygen Vacancies on Individual Gd-Doped CeO ₂ Nanocrystals. Chemistry - A European Journal, 2014, 20, 6288-6293.	3.3	15
28	Electrochemically Induced Ostwald Ripening in Au/TiO ₂ Nanocomposite. Journal of Physical Chemistry C, 2015, 119, 10336-10344.	3.1	15
29	High-Resolution Scanning Transmission Electron Microscopy (HRSTEM) Techniques: High-Resolution Imaging and Spectroscopy Side by Side. ChemPhysChem, 2012, 13, 437-443.	2.1	12
30	Growth of BiFeO ₃ thin films by chemical solution deposition: the role of electrodes. Physical Chemistry Chemical Physics, 2017, 19, 14337-14344.	2.8	12
31	MEGACELL: A nanocrystal model construction software for HRTEM multislice simulation. Ultramicroscopy, 2011, 111, 1077-1082.	1.9	9
32	Prediction of dopant atom distribution on nanocrystals using thermodynamic arguments. Physical Chemistry Chemical Physics, 2014, 16, 1089-1094.	2.8	9
33	Lattice dynamics and thermoelectric properties of nanocrystalline silicon-germanium alloys. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 515-523.	1.8	8
34	Straightforward phase-transfer route to colloidal iron oxide nanoparticles for protein immobilization. RSC Advances, 2015, 5, 47954-47958.	3.6	6
35	Favoring the Reactivity of TiO ₂ Films with Ideal Arrangement of Anatase and Rutile Crystallites. ACS Applied Energy Materials, 2019, 2, 2579-2584.	5.1	6
36	Obtenção de filmes finos de TiO ₂ nanoestruturado pelo método dos precursores poliméricos. Quimica Nova, 2008, 31, 1706-1709.	0.3	5

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37	Assessment of a nanocrystal 3-D morphology by the analysis of single HAADF-HRSTEM images. <i>Nanoscale Research Letters</i> , 2013, 8, 475.	5.7	5
38	Formation and stability of small well-defined Cu- and Ni oxide particles. <i>Materials Chemistry and Physics</i> , 2013, 143, 184-194.	4.0	3
39	B11-O-03 Quantification of Oxygen Vacancies in Nanostructured Oxides by TEM Techniques: Electron Energy Loss Spectroscopy and Negative Cs Imaging. <i>Microscopy (Oxford, England)</i> , 2015, 64, i11.2-i11.	1.5	2
40	Nanoscale analysis of dispersive ferroelectric domains in bulk of hexagonal multiferroic ceramics. <i>Materials Characterization</i> , 2018, 145, 347-352.	4.4	2