

Lourdes Bazã;n-DÃ-az

List of Publications by Year in descending order

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25
papers

481
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840776

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docs citations

25
times ranked

760
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrum, the Gold-Silver Alloy, from the Bulk Scale to the Nanoscale: Synthesis, Properties, and Segregation Rules. ACS Nano, 2016, 10, 188-198.	14.6	163
2	Size and Shape Effects on the Phase Diagrams of Nickel-Based Bimetallic Nanoalloys. Journal of Physical Chemistry C, 2017, 121, 6930-6939.	3.1	45
3	Controlled Overgrowth of Five-Fold Concave Nanoparticles into Plasmonic Nanostars and Their Single-Particle Scattering Properties. ACS Nano, 2019, 13, 10113-10128.	14.6	42
4	Helical Growth of Ultrathin Gold-Copper Nanowires. Nano Letters, 2016, 16, 1568-1573.	9.1	30
5	Order-disorder phase transitions in Au-Cu nanocubes: from nano-thermodynamics to synthesis. Nanoscale, 2017, 9, 9267-9274.	5.6	30
6	Gold-copper nanostars as photo-thermal agents: synthesis and advanced electron microscopy characterization. Nanoscale, 2015, 7, 20734-20742.	5.6	25
7	A stable multiply twinned decahedral gold nanoparticle with a barrel-like shape. Surface Science, 2016, 644, 80-85.	1.9	18
8	In situ transmission electron microscopy mechanical deformation and fracture of a silver nanowire. Scripta Materialia, 2016, 113, 63-67.	5.2	17
9	Synthesis and structural characterization of MoS ₂ micropylamids. Journal of Materials Science, 2020, 55, 12203-12213.	3.7	16
10	Tannic acid assisted synthesis of flake-like hydroxyapatite nanostructures at room temperature. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	14
11	Synthesis and Properties of the Self-Assembly of Gold-Copper Nanoparticles into Nanoribbons. Langmuir, 2018, 34, 9394-9401.	3.5	14
12	Electron microscopy study of the carbon-induced 2H-3R 1T phase transition of MoS ₂ . New Journal of Chemistry, 2020, 44, 1190-1193.	2.8	11
13	The Preparation and Characterization of Co-Ni Nanoparticles and the Testing of a Heterogenized Co-Ni/Alumina Catalyst for CO Hydrogenation. Catalysts, 2020, 10, 18.	3.5	11
14	Chemical synthesis and characterization of bismuth oxychloride BiOCl nanoparticles. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	9
15	Orthorhombic distortion in Au nanoparticles induced by high pressure. CrystEngComm, 2019, 21, 3451-3459.	2.6	7
16	Response to "Comment on "Electrum, the Gold-Silver Alloy, from the Bulk Scale to the Nanoscale: Synthesis, Properties, and Segregation Rules". ACS Nano, 2016, 10, 10620-10622.	14.6	5
17	Evaporation of Gold on NaCl Surfaces as a Way To Control Spatial Distribution of Nanoparticles: Insights on the Shape and Crystallographic Orientation. Crystal Growth and Design, 2017, 17, 6062-6070.	3.0	5
18	Gold Nanoclusters, Gold Nanoparticles, and Analytical Techniques for Their Characterization. Methods in Molecular Biology, 2020, 2118, 351-382.	0.9	5

#	ARTICLE	IF	CITATIONS
19	Silver/zinc oxide self-assembled nanostructured bolometer. <i>Infrared Physics and Technology</i> , 2017, 81, 266-270.	2.9	4
20	Structural characterization of Au nano bipyramids: reshaping under thermal annealing, the capping agent effect and surface decoration with Pt. <i>Nanotechnology</i> , 2019, 30, 205701.	2.6	4
21	Asymmetric Deposition of Platinum Atoms on Gold Nanorods Reduced the Plasmon Field Distortion Induced by the Substrate. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30509-30518.	3.1	3
22	Nano Phase Characterization by Transmission Electron Microscopy: Experimental and Simulation. <i>Materials Sciences and Applications</i> , 2015, 06, 935-942.	0.4	2
23	STEM characterization of Gold-Copper anisotropic nanocrystals. <i>Microscopy and Microanalysis</i> , 2015, 21, 829-830.	0.4	1
24	Integrative structural and advanced imaging characterization of manganese oxide nanotubes doped with cobaltite. <i>CrystEngComm</i> , 2017, 19, 2329-2338.	2.6	0
25	Structural Analysis of MoS ₂ Layers in a 3D Assembly. <i>Microscopy and Microanalysis</i> , 2019, 25, 2190-2191.	0.4	0