

JosÃ© Luis RodrÃ­guez-LÃ³pez

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,081
citations

516710

16
h-index

395702

33
g-index

41
all docs

41
docs citations

41
times ranked

1766
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Effect of Pluronic P103 Concentration on the Simple Synthesis of Ag and Au Nanoparticles and Their Application in Anatase-TiO ₂ Decoration for Its Use in Photocatalysis. <i>Molecules</i> , 2022, 27, 127. | 3.8 | 2 |
| 2 | Nanostructured complex of reduced graphene oxide adorned with magnetite as an adsorbent for inhibitor compounds in wood hydrolysates. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110592. | 4.4 | 7 |
| 3 | Heterojunction of CuO nanoclusters with TiO ₂ for photo-oxidation of organic compounds and for hydrogen production. <i>Journal of Chemical Physics</i> , 2020, 153, 034705. | 3.0 | 19 |
| 4 | Reduced graphene oxide decorated with magnetite nanoparticles enhance biomethane enrichment. <i>Journal of Hazardous Materials</i> , 2020, 397, 122760. | 12.4 | 15 |
| 5 | Multibranch gold nanoparticles coated with serum proteins fit for photothermal tumor ablation. <i>AIP Advances</i> , 2020, 10, . | 1.3 | 1 |
| 6 | Inhibition of Fungal Growth Using Modified TiO ₂ with Core@Shell Structure of Ag@CuO Clusters. <i>ACS Applied Bio Materials</i> , 2019, 2, 5626-5633. | 4.6 | 21 |
| 7 | The Decmon: a new nanoparticle shape along the truncation path from the icosahedron to the decahedron. <i>Nanotechnology</i> , 2019, 30, 425701. | 2.6 | 3 |
| 8 | Atomic Surface Segregation and Structural Characterization of PdPt Bimetallic Nanoparticles. <i>Materials</i> , 2018, 11, 1882. | 2.9 | 39 |
| 9 | Dynamic Infrared Thermography of Nanoheaters Embedded in Skin-Equivalent Phantoms. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-8. | 2.7 | 2 |
| 10 | Comparison of two synthesis methods on the preparation of Fe, N-Co-doped TiO ₂ materials for degradation of pharmaceutical compounds under visible light. <i>Ceramics International</i> , 2017, 43, 5068-5079. | 4.8 | 63 |
| 11 | Competition between the reaction medium and nanostructured ZnO in the photocatalytic degradation of anthracene. Toward an optimal process for polycyclic aromatic hydrocarbons remediation. <i>Quimica Nova</i> , 2016, , . | 0.3 | 1 |
| 12 | Response to "Comment on "Electrum, the Gold-Silver Alloy, from the Bulk Scale to the Nanoscale: Synthesis, Properties, and Segregation Rules". <i>ACS Nano</i> , 2016, 10, 10620-10622. | 14.6 | 5 |
| 13 | Enhanced Reduction of p-Nitrophenol by a Methanogenic Consortium Promoted by Metallic Nanoparticles. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1. | 2.4 | 6 |
| 14 | Surface Modification of TiO ₂ with Ag Nanoparticles and CuO Nanoclusters for Application in Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5143-5154. | 3.1 | 241 |
| 15 | Luminescence Concentration Quenching Mechanism in Gd ₂ O ₃ :Eu ³⁺ . <i>Journal of Physical Chemistry A</i> , 2014, 118, 1390-1396. | 2.5 | 99 |
| 16 | Luminescence and energy transfer properties of Eu ³⁺ and Gd ³⁺ in ZrO ₂ . <i>Journal of Luminescence</i> , 2014, 146, 398-403. | 3.1 | 33 |
| 17 | Coronary lesions quantification with dual-axis rotational coronary angiography. <i>Cardiovascular Revascularization Medicine</i> , 2013, 14, 37-40. | 0.8 | 4 |
| 18 | <i>In situ</i> TEM study of mechanical behaviour of twinned nanoparticles. <i>Philosophical Magazine</i> , 2012, 92, 4437-4453. | 1.6 | 24 |

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|----|--|------|-----------|
| 19 | Comparaci3n de angiograf3a coronaria rotacional de doble eje (XPERSWING) frente a t3cnica convencional en la pr3ctica habitual. Revista Espanola De Cardiologia, 2012, 65, 434-439. | 1.2 | 16 |
| 20 | TCT-319 Improvement of coronary lesions quantification with rotational angiography â€œXperSwingâ€. Journal of the American College of Cardiology, 2012, 60, B90. | 2.8 | 0 |
| 21 | TCT-320 Rotational angiography with â€œXperswingâ€-technique: comparative analysis of radiation dose compared to conventional angiography. Journal of the American College of Cardiology, 2012, 60, B90. | 2.8 | 2 |
| 22 | TCT-321 Rotational angiography with Xperswing: safety and accuracy compared to conventional angiography. Journal of the American College of Cardiology, 2012, 60, B91. | 2.8 | 0 |
| 23 | Nucleation and Growth of Stellated Gold Clusters: Experimental Synthesis and Theoretical Study. Journal of Physical Chemistry C, 2010, 114, 21051-21060. | 3.1 | 16 |
| 24 | Generalizing segregation and chemical ordering in bimetallic nanoclusters through atomistic view points. Physical Review B, 2009, 80, . | 3.2 | 32 |
| 25 | A Variable-Number Genetic Algorithm for Growth of 1-Dimensional Nanostructures into Their Global Minimum Configuration Under Radial Confinement. Materials and Manufacturing Processes, 2009, 24, 265-273. | 4.7 | 9 |
| 26 | Enhanced tunneling through nonstationary barriers. Physical Review A, 2007, 76, . | 2.5 | 9 |
| 27 | Assessment of isobaric-isothermal (NPT) simulations for finite systems. Computational Materials Science, 2006, 37, 526-536. | 3.0 | 17 |
| 28 | The Completion of the Platonic Atomic Polyhedra: The Dodecahedron. Small, 2006, 2, 351-355. | 10.0 | 22 |
| 29 | Finite single wall capped carbon nanotubes under hydrostatic pressure. Journal of Physics Condensed Matter, 2006, 18, 9119-9128. | 1.8 | 10 |
| 30 | LOW DIMENSIONAL NON-CRYSTALLOGRAPHIC METALLIC NANOSTRUCTURES: HRTEM SIMULATION, MODELS AND EXPERIMENTAL RESULTS. Modern Physics Letters B, 2006, 20, 725-751. | 1.9 | 15 |
| 31 | Surface Reconstruction and Decahedral Structure of Bimetallic Nanoparticles. Physical Review Letters, 2004, 92, 196102. | 7.8 | 88 |
| 32 | Magnetism in small rhodium clusters under structural deformations. Journal of Alloys and Compounds, 2004, 369, 81-83. | 5.5 | 1 |
| 33 | Magnetic structure of cobalt clusters. Journal of Alloys and Compounds, 2004, 369, 93-96. | 5.5 | 11 |
| 34 | Effects of the structural deformations on the magnetism of Rh6 and Rh13 clusters. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 318, 473-479. | 2.1 | 4 |
| 35 | Molecular dynamics study of bimetallic nanoparticles: the case of AuxCuy alloy clusters. Applied Surface Science, 2003, 219, 56-63. | 6.1 | 56 |
| 36 | Structure and magnetism of cobalt clusters. Physical Review B, 2003, 67, . | 3.2 | 128 |

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|----|--|-----|-----------|
| 37 | Magnetic interactions between small Ni clusters. Solid State Communications, 2000, 116, 309-314. | 1.9 | 0 |
| 38 | Magnetic moments of. European Physical Journal D, 1999, 6, 235. | 1.3 | 15 |
| 39 | Orbital magnetism at the surfaces of 3d transition metals. Physical Review B, 1998, 57, 1040-1045. | 3.2 | 35 |
| 40 | Size Effect and Shape Stability of Nanoparticles. Key Engineering Materials, 0, 444, 47-68. | 0.4 | 9 |