

Álvaro de Jesú's Ruíz-Baltazar

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

757
citations

567281

15
h-index

526287

27
g-index

43
all docs

43
docs citations

43
times ranked

1182
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Environmentally friendly alternative for heavy metal adsorption based on doped diatoms with Au nanoparticles: A novel approach in green synthesis of adsorbents and kinetic adsorption study. <i>Colloids and Interface Science Communications</i> , 2022, 46, 100559. | 4.1 | 4 |
| 2 | Effect of Zn Nanoparticles Doping on Oxytetracycline Removal by Natural Aluminosilicate and Carbon Nanotubes. <i>Water, Air, and Soil Pollution</i> , 2022, 233, . | 2.4 | 2 |
| 3 | Molecular interaction of β -carotene with sweet potato starch: A bleaching-restitution assay. <i>Food Hydrocolloids</i> , 2022, 127, 107522. | 10.7 | 9 |
| 4 | Antimicrobial study of the Al ₂ O ₃ -Cu and Al ₂ O ₃ -Hydroxiapatite-Cu spheres. <i>Inorganic Chemistry Communication</i> , 2022, 138, 109253. | 3.9 | 2 |
| 5 | ADSORBENT MATERIALS FOR EMERGING CONTAMINANT (TETRACYCLINE) REMOVAL. <i>International Journal of Research -GRANTHAALAYAH</i> , 2021, 9, 466-491. | 0.1 | 1 |
| 6 | Cell behavior on silica-hydroxyapatite coaxial composite. <i>PLoS ONE</i> , 2021, 16, e0246256. | 2.5 | 5 |
| 7 | REVIEW OF ALUMINA IN ADSORPTION PROCESSES FOR EMERGING POLLUTANTS. <i>International Journal of Research -GRANTHAALAYAH</i> , 2021, 9, 435-453. | 0.1 | 2 |
| 8 | Sonochemical activation-assisted biosynthesis of Au/Fe ₃ O ₄ nanoparticles and sonocatalytic degradation of methyl orange. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105521. | 8.2 | 36 |
| 9 | Bactericidal Activity Study of ZrO ₂ -Ag ₂ O Nanoparticles. <i>Dose-Response</i> , 2020, 18, 155932582094137. | 1.6 | 18 |
| 10 | Kinetic adsorption models of silver nanoparticles biosynthesized by <i>Cnicus Benedictus</i> : Study of the photocatalytic degradation of methylene blue and antibacterial activity. <i>Inorganic Chemistry Communication</i> , 2020, 120, 108158. | 3.9 | 10 |
| 11 | Green synthesis assisted by sonochemical activation of Fe ₃ O ₄ -Ag nano-alloys: Structural characterization and studies of sorption of cationic dyes. <i>Inorganic Chemistry Communication</i> , 2020, 120, 108148. | 3.9 | 16 |
| 12 | Magnetic Nanoparticles of Fe ₃ O ₄ Biosynthesized by <i>Cnicus benedictus</i> Extract: Photocatalytic Study of Organic Dye Degradation and Antibacterial Behavior. <i>Processes</i> , 2020, 8, 946. | 2.8 | 5 |
| 13 | Novel Route of Synthesis of PCL-CuONPs Composites With Antimicrobial Properties. <i>Dose-Response</i> , 2019, 17, 155932581986950. | 1.6 | 27 |
| 14 | Flow Analysis Based on Cathodic Current Using Different Designs of Channel Distribution In PEM Fuel Cells. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3615. | 2.5 | 4 |
| 15 | Alcoholic extracts from <i>Paulownia tomentosa</i> leaves for silver nanoparticles synthesis. <i>Results in Physics</i> , 2019, 12, 1670-1679. | 4.1 | 24 |
| 16 | Transmission Electron Microscopy Characterization and High-Resolution Modeling of Second-Phase Particles of V and Ti-Containing Twinning-Induced Plasticity Steel under Uniaxial Hot-Tensile Condition. <i>Steel Research International</i> , 2019, 90, 1900098. | 1.8 | 1 |
| 17 | Eco-friendly synthesis of Fe ₃ O ₄ nanoparticles: Evaluation of their catalytic activity in methylene blue degradation by kinetic adsorption models. <i>Results in Physics</i> , 2019, 12, 989-995. | 4.1 | 99 |
| 18 | Green Composite Based on Silver Nanoparticles Supported on Diatomaceous Earth: Kinetic Adsorption Models and Antibacterial Effect. <i>Journal of Cluster Science</i> , 2018, 29, 509-519. | 3.3 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Novel biosynthesis of Ag-hydroxyapatite: Structural and spectroscopic characterization. Results in Physics, 2018, 9, 593-597. | 4.1 | 18 |
| 20 | Swelling and methylene blue adsorption of poly(N,N-dimethylacrylamide-co-2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T | 4.1 | 74 |
| 21 | Biosynthesis of Ag nanoparticles using <i>Cynara cardunculus</i> leaf extract: Evaluation of their antibacterial and electrochemical activity. Results in Physics, 2018, 11, 1142-1149. | 4.1 | 50 |
| 22 | Synthesis of γ -Alumina Nano-Onions by Thermal Decomposition of Aluminum Formate. Journal of Nanomaterials, 2018, 2018, 1-7. | 2.7 | 11 |
| 23 | Preparation of Silver-Doped Alumina Spherical Beads with Antimicrobial Properties. Journal of Nanomaterials, 2018, 2018, 1-13. | 2.7 | 8 |
| 24 | Magnetic structures synthesized by controlled oxidative etching: Structural characterization and magnetic behavior. Results in Physics, 2017, 7, 1828-1832. | 4.1 | 20 |
| 25 | Green synthesis of silver nanoparticles using a <i>Melissa officinalis</i> leaf extract with antibacterial properties. Results in Physics, 2017, 7, 2639-2643. | 4.1 | 98 |
| 26 | Characterization Microstructural and Electrochemical of AgPd Alloy Bimetallic Nanoparticles. MRS Advances, 2017, 2, 2857-2863. | 0.9 | 5 |
| 27 | Study of PtPd Bimetallic Nanoparticles for Fuel Cell Applications. Materials Research, 2017, 20, 1193-1200. | 1.3 | 33 |
| 28 | Validation of a method to quantify platinum in cisplatin by inductively-coupled plasma. Chemistry and Chemical Technology, 2017, 11, 437-444. | 1.1 | 2 |
| 29 | Comparative Study of Ag Nanostructures: Molecular Simulations, Electrochemical Behavior, and Antibacterial Effect. Journal of Nanomaterials, 2016, 2016, 1-9. | 2.7 | 6 |
| 30 | Bimetallic Alloy of Fe ₂ O ₃ -Ag Nanoparticles: Characterization and Structural Modeling. Materials Research Society Symposia Proceedings, 2016, 1816, 1. | 0.1 | 0 |
| 31 | Surface modification of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by direct plasma-radiation-induced graft polymerization of N-hydroxyethyl-acrylamide. Materials Letters, 2016, 175, 252-257. | 2.6 | 7 |
| 32 | Preparation and Characterization of Natural Zeolite Modified with Iron Nanoparticles. Journal of Nanomaterials, 2015, 2015, 1-8. | 2.7 | 25 |
| 33 | Kinetic Adsorption Study of Silver Nanoparticles on Natural Zeolite: Experimental and Theoretical Models. Applied Sciences (Switzerland), 2015, 5, 1869-1881. | 2.5 | 16 |
| 34 | Analysis for the Sorption Kinetics of Ag Nanoparticles on Natural Clinoptilolite. Advances in Condensed Matter Physics, 2015, 2015, 1-7. | 1.1 | 5 |
| 35 | Synthesis and Characterization of Bifunctional γ -Fe ₂ O ₃ -Ag Nanoparticles. Advances in Condensed Matter Physics, 2015, 2015, 1-6. | 1.1 | 3 |
| 36 | Effect of the Surfactant on the Growth and Oxidation of Iron Nanoparticles. Journal of Nanomaterials, 2015, 2015, 1-8. | 2.7 | 75 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Structural Characterization of Fe-Ag Bimetallic Nanoparticles Synthesized by Chemical Reduction. International Research Journal of Pure and Applied Chemistry, 2014, 4, 263-269. | 0.2 | 7 |
| 38 | Synthesis of Ag Nanoparticles-Clinoptilolite Composite by Homogeneous and Heterogeneous Nucleation. Materials Science Forum, 2013, 755, 97-103. | 0.3 | 2 |
| 39 | Structural Characterization of Iron Nanoparticles Synthesized by Chemical -Methods. Materials Research Society Symposia Proceedings, 2012, 1372, 73. | 0.1 | 1 |
| 40 | Correlation of Silver Size Nanoparticles Between TEM and QELS. Materials Research Society Symposia Proceedings, 2010, 1275, 1. | 0.1 | 1 |
| 41 | Spectroscopy Study of Silver Nanoparticles Produced by Chemical Reduction. Materials Science Forum, 0, 755, 15-20. | 0.3 | 4 |
| 42 | Ag Nanoparticles Adsorption on Diatom-Montmorillonite Clays. Materials Science Forum, 0, 755, 91-96. | 0.3 | 0 |