# Iliana Medina-RamÃ-rez

List of Publications by Year
in descending order



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|---|---|---|---|
| 44 papers | 805 citations | 471509 17 h-index | 501196 28 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 1136 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enhanced photocatalytic and antifungal activity of ZnOâ€“Cu2+and Ag@ZnOâ€“Cu2+ materials. Ceramics International, 2022, 48, 12660-12674. | 4.8 | 5 |
| 2 | Hydrophobic agents and pH modification as comparative chemical effect on the hydrophobic and photocatalytic properties in SiO2-TiO2 coating. Applied Surface Science, 2022, 593, 153375. | 6.1 | 6 |
| 3 | An efficient nonstandard computer method to solve a compartmental epidemiological model for COVID-19 with vaccination and population migration. Computer Methods and Programs in Biomedicine, 2022, 221, 106920. | 4.7 | 2 |
| 4 | Evaluation of the environmental impact of magnetic nanostructured materials at different trophic levels. Nanotoxicology, 2021, 15, 257-275. | 3.0 | 1 |
| 5 | Development of Nano-Antifungal Therapy for Systemic and Endemic Mycoses. Journal of Fungi (Basel,) Tj ETQq1 1 0.784314 rgBT /Ov | 3.5 | 7 |
| 6 | Self-cleaning of SiO2-TiO2 coating: Effect of sonochemical synthetic parameters on the morphological, mechanical, and photocatalytic properties of the films. Ultrasonics Sonochemistry, 2021, 73, 105483. | 8.2 | 24 |
| 7 | Inflammatory response in human alveolar epithelial cells after TiO2 NPs or ZnO NPs exposure: Inhibition of surfactant protein A expression as an indicator for loss of lung function. Environmental Toxicology and Pharmacology, 2021, 86, 103654. | 4.0 | 6 |
| 8 | Application of the Zimm-Bragg Model to the Removal of Azo Dyes with Pectin. Adsorption Science and Technology, 2021, 2021, 1-22. | 3.2 | 0 |
| 9 | Evaluation of the Photocatalytic Activity of Copper Doped TiO2 nanoparticles for the Purification and/or Disinfection of Industrial Effluents. Catalysis Today, 2020, 341, 37-48. | 4.4 | 60 |
| 10 | Development and Assessment of Nano-Technologies for Cancer Treatment: Cytotoxicity and Hyperthermia Laboratory Studies. Cancer Investigation, 2020, 38, 61-84. | 1.3 | 5 |
| 11 | Development of a sustainable photocatalytic process for air purification.. Chemosphere, 2020, 257, 127236. | 8.2 | 29 |
| 12 | Evaluation of the biocompatibility and growth inhibition of bacterial biofilms by ZnO, Fe3O4 and ZnO@Fe3O4 photocatalytic magnetic materials. Ceramics International, 2020, 46, 8979-8994. | 4.8 | 11 |
| 13 | Acetylcholine Upregulates Entamoeba histolytica Virulence Factors, Enhancing Parasite Pathogenicity in Experimental Liver Amebiasis. Frontiers in Cellular and Infection Microbiology, 2020, 10, 586354. | 3.9 | 3 |
| 14 | Synthesis, characterization, toxicological and antibacterial activity evaluation of Cu@ZnO nanocomposites. Ceramics International, 2019, 45, 17476-17488. | 4.8 | 18 |
| 15 | REMOCIÃ“N DE COLORANTES AZO CON ALGINATO: RELACIÃ“N ENTRE ESTRUCTURA DE COLORANTE Y EFICIENCIA DE REMOCIÃ“N. Revista Internacional De Contaminacion Ambiental, 2019, 35, 223-236. | 0.4 | 4 |
| 16 | Removal of Azo dyes with Xanthan. Journal of the Mexican Chemical Society, 2019, 63, . | 0.6 | 0 |
| 17 | Comparison of two synthesis methods on the preparation of Fe, N-Co-doped TiO2 materials for degradation of pharmaceutical compounds under visible light. Ceramics International, 2017, 43, 5068-5079. | 4.8 | 63 |
| 18 | Spectroscopic study of honey from Apis mellifera from different regions in Mexico. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 178, 212-217. | 3.9 | 34 |

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|---|---|---|---|
| 19 | A compact exponential method for the efficient numerical simulation of the dewetting process of viscous thin films. Journal of Mathematical Chemistry, 2017, 55, 153-174. | 1.5 | 3 |
| 20 | Evaluation of the Antimicrobial Activity of Nanostructured Materials of Titanium Dioxide Doped with Silver and/or Copper and Their Effects onArabidopsis thaliana. International Journal of Photoenergy, 2016, 2016, 1-14. | 2.5 | 26 |
| 21 | High removal of chemical and biochemical oxygen demand from tequila vinasses by using physicochemical and biological methods. Environmental Technology (United Kingdom), 2014, 35, 1773-1784. | 2.2 | 17 |
| 22 | Synthesis, characterization, photocatalytic evaluation, and toxicity studies of TiO2â€“Fe3+ nanocatalyst. Journal of Materials Science, 2014, 49, 5309-5323. | 3.7 | 42 |
| 23 | Silylated gallium and indium chalcogenide ring systems as potential precursors to ME (E=O, S) materials. Open Chemistry, 2013, 11, 1225-1238. | 1.9 | 1 |
| 24 | An efficient nonlinear finite-difference approach in the computational modeling of the dynamics of a nonlinear diffusion-reaction equation in microbial ecology. Computational Biology and Chemistry, 2013, 47, 24-30. | 2.3 | 9 |
| 25 | On a fully discrete finite-difference approximation of a nonlinear diffusionâ€“reaction model in microbial ecology. International Journal of Computer Mathematics, 2013, 90, 1915-1937. | 1.8 | 7 |
| 26 | AN EFFICIENT RECURSIVE ALGORITHM IN THE COMPUTATIONAL SIMULATION OF THE BOUNDED GROWTH OF BIOLOGICAL FILMS. International Journal of Computational Methods, 2012, 09, 1250050. | 1.3 | 26 |
| 27 | Facile design and nanostructural evaluation of silver-modified titania used as disinfectant. Dalton Transactions, 2011, 40, 1047-1054. | 3.3 | 21 |
| 28 | Colloidal Synthesis and Nanocharacterization of Engineered Noble Metal Nanoparticles. International Journal of Green Nanotechnology, 2011, 3, 140-151. | 0.3 | 10 |
| 29 | Nanocharacterization and bactericidal performance of silver modified titania photocatalyst. Colloids and Surfaces B: Biointerfaces, 2010, 77, 82-89. | 5.0 | 86 |
| 30 | NONLINEAR SUPRATRANSMISSION AND NONLINEAR BISTABILITY IN A FORCED LINEAR ARRAY OF ANHARMONIC OSCILLATORS: A COMPUTATIONAL STUDY. International Journal of Modern Physics C, 2009, 20, 1911-1923. | 1.7 | 7 |
| 31 | ON THE GENERATION OF LOCALIZED NONLINEAR MODES IN A LINEAR ARRAY OF ANHARMONIC OSCILLATORS. International Journal of Modern Physics C, 2009, 20, 1187-1198. | 1.7 | 2 |
| 32 | Potassium dichromateâ€“induced changes on urinary-specific activities of gamma-glutamyl transpeptidase and alanine aminopeptidase enzymes. Drug and Chemical Toxicology, 2009, 32, 21-25. | 2.3 | 0 |
| 33 | The flavonoid quercetin protects and prevents against potassium dichromateâ€“induced systemic peroxidation of lipids and diminution in renal clearance of para-aminohippuric acid and inulin in the rat. Drug and Chemical Toxicology, 2009, 32, 88-91. | 2.3 | 5 |
| 34 | Green Synthesis of Platinum-encapsulated Nickel Nanocatalyst and Its Microstructure Evaluation. Materials Research Society Symposia Proceedings, 2009, 1213, 101201. | 0.1 | 2 |
| 35 | Nanostructure characterization of polymer-stabilized gold nanoparticles and nanofilms derived from green synthesis. Journal of Materials Science, 2009, 44, 6325-6332. | 3.7 | 19 |
| 36 | Tetrakis(Î¼-triisopropylsilanethiolato)-1:2Î¼<sup>4</sup>S:S;2:3Î¼<sup>4</sup>S:S-bis(triisopropylsilanethi Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, m475-m477. | 0.4 | 4 |

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| 37 | An implicit four-step computational method in the study on the effects of damping in a modified <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si45.gif" overflow="scroll"><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow></mml:math>-Fermiâ€“Pastaâ€“Ulam medium. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 3200-3212. | 3.3 | 32 |
| 38 | Green synthesis and characterization of polymer-stabilized silver nanoparticles. Colloids and Surfaces B: Biointerfaces, 2009, 73, 185-191. | 5.0 | 142 |
| 39 | Numerical treatment of the spherically symmetric solutions of a generalized Fisherâ€“Kolmogorovâ€“Petrovskyâ€“Piscounov equation. Journal of Computational and Applied Mathematics, 2009, 231, 851-868. | 2.0 | 28 |
| 40 | Monoclinic form of 1,2,4,5-tetracyclohexylbenzene. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o375-o375. | 0.2 | 3 |
| 41 | Dicoordinate Copper(I) Silanechalcogenolates. Inorganic Chemistry, 2006, 45, 8844-8846. | 4.0 | 17 |
| 42 | Tetra-Î¼3-iodo-tetrakis[(tri-tert-butylphosphine)copper(I)]. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m1550-m1552. | 0.2 | 9 |
| 43 | Bis(triphenylsilyl)selenide. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2687-o2688. | 0.2 | 1 |
| 44 | Zimm-Bragg Model Applied to Sorption of Dyes by Biopolymers: Alginic Acid and Xanthan. , 0, , . | | 1 |