

Iliana Medina-Ramírez

List of Publications by Year in descending order

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Version: 2024-02-01

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	Green synthesis and characterization of polymer-stabilized silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 185-191.	5.0	142
2	Nanocharacterization and bactericidal performance of silver modified titania photocatalyst. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 82-89.	5.0	86
3	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
4	Evaluation of the Photocatalytic Activity of Copper Doped TiO ₂ nanoparticles for the Purification and/or Disinfection of Industrial Effluents. <i>Catalysis Today</i> , 2020, 341, 37-48.	4.4	60
5	Synthesis, characterization, photocatalytic evaluation, and toxicity studies of TiO ₂ @Fe ³⁺ nanocatalyst. <i>Journal of Materials Science</i> , 2014, 49, 5309-5323.	3.7	42
6	Spectroscopic study of honey from <i>Apis mellifera</i> from different regions in Mexico. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 178, 212-217.	3.9	34
7	An implicit four-step computational method in the study on the effects of damping in a modified $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si45.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Fermi@Pasta@Ulam medium. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 3200-3212.	3.3	32
8	Development of a sustainable photocatalytic process for air purification.. <i>Chemosphere</i> , 2020, 257, 127236.	8.2	29
9	Numerical treatment of the spherically symmetric solutions of a generalized Fisher@Kolmogorov@Petrovsky@Piscounov equation. <i>Journal of Computational and Applied Mathematics</i> , 2009, 231, 851-868.	2.0	28
10	AN EFFICIENT RECURSIVE ALGORITHM IN THE COMPUTATIONAL SIMULATION OF THE BOUNDED GROWTH OF BIOLOGICAL FILMS. <i>International Journal of Computational Methods</i> , 2012, 09, 1250050.	1.3	26
11	Evaluation of the Antimicrobial Activity of Nanostructured Materials of Titanium Dioxide Doped with Silver and/or Copper and Their Effects on <i>Arabidopsis thaliana</i> . <i>International Journal of Photoenergy</i> , 2016, 2016, 1-14.	2.5	26
12	Self-cleaning of SiO ₂ -TiO ₂ coating: Effect of sonochemical synthetic parameters on the morphological, mechanical, and photocatalytic properties of the films. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105483.	8.2	24
13	Facile design and nanostructural evaluation of silver-modified titania used as disinfectant. <i>Dalton Transactions</i> , 2011, 40, 1047-1054.	3.3	21
14	Nanostructure characterization of polymer-stabilized gold nanoparticles and nanofilms derived from green synthesis. <i>Journal of Materials Science</i> , 2009, 44, 6325-6332.	3.7	19
15	Synthesis, characterization, toxicological and antibacterial activity evaluation of Cu@ZnO nanocomposites. <i>Ceramics International</i> , 2019, 45, 17476-17488.	4.8	18
16	Dicoordinate Copper(I) Silanechalcogenolates. <i>Inorganic Chemistry</i> , 2006, 45, 8844-8846.	4.0	17
17	High removal of chemical and biochemical oxygen demand from tequila vinasses by using physicochemical and biological methods. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1773-1784.	2.2	17
18	Evaluation of the biocompatibility and growth inhibition of bacterial biofilms by ZnO, Fe ₃ O ₄ and ZnO@Fe ₃ O ₄ photocatalytic magnetic materials. <i>Ceramics International</i> , 2020, 46, 8979-8994.	4.8	11

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19	Colloidal Synthesis and Nanocharacterization of Engineered Noble Metal Nanoparticles. <i>International Journal of Green Nanotechnology</i> , 2011, 3, 140-151.	0.3	10
20	Tetra- $\frac{1}{4}$ -iodo-tetrakis[(tri-tert-butylphosphine)copper(I)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m1550-m1552.	0.2	9
21	An efficient nonlinear finite-difference approach in the computational modeling of the dynamics of a nonlinear diffusion-reaction equation in microbial ecology. <i>Computational Biology and Chemistry</i> , 2013, 47, 24-30.	2.3	9
22	NONLINEAR SUPRATRANSMISSION AND NONLINEAR BISTABILITY IN A FORCED LINEAR ARRAY OF ANHARMONIC OSCILLATORS: A COMPUTATIONAL STUDY. <i>International Journal of Modern Physics C</i> , 2009, 20, 1911-1923.	1.7	7
23	On a fully discrete finite-difference approximation of a nonlinear diffusion-reaction model in microbial ecology. <i>International Journal of Computer Mathematics</i> , 2013, 90, 1915-1937.	1.8	7
24	Development of Nano-Antifungal Therapy for Systemic and Endemic Mycoses. <i>Journal of Fungi (Basel)</i> , 2022, 8, 1071.	3.5	7
25	Inflammatory response in human alveolar epithelial cells after TiO ₂ NPs or ZnO NPs exposure: Inhibition of surfactant protein A expression as an indicator for loss of lung function. <i>Environmental Toxicology and Pharmacology</i> , 2021, 86, 103654.	4.0	6
26	Hydrophobic agents and pH modification as comparative chemical effect on the hydrophobic and photocatalytic properties in SiO ₂ -TiO ₂ coating. <i>Applied Surface Science</i> , 2022, 593, 153375.	6.1	6
27	The flavonoid quercetin protects and prevents against potassium dichromate-induced systemic peroxidation of lipids and diminution in renal clearance of para-aminohippuric acid and inulin in the rat. <i>Drug and Chemical Toxicology</i> , 2009, 32, 88-91.	2.3	5
28	Development and Assessment of Nano-Technologies for Cancer Treatment: Cytotoxicity and Hyperthermia Laboratory Studies. <i>Cancer Investigation</i> , 2020, 38, 61-84.	1.3	5
29	Enhanced photocatalytic and antifungal activity of ZnO-Cu ²⁺ and Ag@ZnO-Cu ²⁺ materials. <i>Ceramics International</i> , 2022, 48, 12660-12674.	4.8	5
30	Tetrakis($\frac{1}{4}$ -triisopropylsilanethiolato)-1,2,3,4-tetrakis($\frac{1}{4}$ -triisopropylsilanethiolato)-1,2,3,4-tetrakis($\frac{1}{4}$ -triisopropylsilanethiolato)-1,2,3,4-tetrakis($\frac{1}{4}$ -triisopropylsilanethiolato). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009, 65, m475-m477.	0.4	4
31	REMOCIÓN DE COLORANTES AZO CON ALGINATO: RELACIÓN ENTRE ESTRUCTURA DE COLORANTE Y EFICIENCIA DE REMOCIÓN. <i>Revista Internacional De Contaminacion Ambiental</i> , 2019, 35, 223-236.	0.4	4
32	A compact exponential method for the efficient numerical simulation of the dewetting process of viscous thin films. <i>Journal of Mathematical Chemistry</i> , 2017, 55, 153-174.	1.5	3
33	Acetylcholine Upregulates Entamoeba histolytica Virulence Factors, Enhancing Parasite Pathogenicity in Experimental Liver Amebiasis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 586354.	3.9	3
34	Monoclinic form of 1,2,4,5-tetracyclohexylbenzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o375-o375.	0.2	3
35	ON THE GENERATION OF LOCALIZED NONLINEAR MODES IN A LINEAR ARRAY OF ANHARMONIC OSCILLATORS. <i>International Journal of Modern Physics C</i> , 2009, 20, 1187-1198.	1.7	2
36	Green Synthesis of Platinum-encapsulated Nickel Nanocatalyst and Its Microstructure Evaluation. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1213, 101201.	0.1	2

#	ARTICLE	IF	CITATIONS
37	An efficient nonstandard computer method to solve a compartmental epidemiological model for COVID-19 with vaccination and population migration. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 221, 106920.	4.7	2
38	Bis(triphenylsilyl)selenide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o2687-o2688.	0.2	1
39	Silylated gallium and indium chalcogenide ring systems as potential precursors to ME (E=O, S) materials. <i>Open Chemistry</i> , 2013, 11, 1225-1238.	1.9	1
40	Evaluation of the environmental impact of magnetic nanostructured materials at different trophic levels. <i>Nanotoxicology</i> , 2021, 15, 257-275.	3.0	1
41	Zimm-Bragg Model Applied to Sorption of Dyes by Biopolymers: Alginic Acid and Xanthan. , 0, , .		1
42	Potassium dichromate-induced changes on urinary-specific activities of gamma-glutamyl transpeptidase and alanine aminopeptidase enzymes. <i>Drug and Chemical Toxicology</i> , 2009, 32, 21-25.	2.3	0
43	Removal of Azo dyes with Xanthan. <i>Journal of the Mexican Chemical Society</i> , 2019, 63, .	0.6	0
44	Application of the Zimm-Bragg Model to the Removal of Azo Dyes with Pectin. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-22.	3.2	0