

Nadia Valentina MartÃ-nez-Villegas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2713234/publications.pdf>

Version: 2024-02-01

41
papers

687
citations

687363

13
h-index

580821

25
g-index

43
all docs

43
docs citations

43
times ranked

947
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Morphological characteristics and accumulation of arsenic in <i>Argyrochosma formosa</i> (Liebm.) Windham developed in a highly contaminated site with arsenic in Matehuala, SLP, MÃ©xico. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2685-2698. | 5.3 | 3 |
| 2 | Silicon nanoparticles decrease arsenic translocation and mitigate phytotoxicity in tomato plants. <i>Environmental Science and Pollution Research</i> , 2022, 29, 34147-34163. | 5.3 | 22 |
| 3 | Tl(I) adsorption behavior on K-illite and on humic acids. <i>Applied Geochemistry</i> , 2022, 138, 105220. | 3.0 | 7 |
| 4 | Identification of Soil Arsenic Contamination in Rice Paddy Field Based on Hyperspectral Reflectance Approach. <i>Soil Systems</i> , 2022, 6, 30. | 2.6 | 11 |
| 5 | Spatial distribution based on optimal interpolation techniques and assessment of contamination risk for toxic metals in the surface soil. <i>Journal of South American Earth Sciences</i> , 2022, 115, 103763. | 1.4 | 19 |
| 6 | Surfactant suspended multi-wall carbon nanotube stability in artificial water samples of different hydrogeochemical families. <i>Applied Geochemistry</i> , 2022, 139, 105252. | 3.0 | 1 |
| 7 | An Investigation on the Lead Removal From Soil Contaminated by Mining and Industrial Wastes Using Soapnut in the Batch Washing Process. <i>Journal of Ecological Engineering</i> , 2021, 22, 1-16. | 1.1 | 1 |
| 8 | Transformation of Hexagonal Birnessite upon Reaction with Thallium(I): Effects of Birnessite Crystallinity, pH, and Thallium Concentration. <i>Environmental Science & Technology</i> , 2021, 55, 4862-4870. | 10.0 | 13 |
| 9 | Column Experiment for the Removal of Cadmium, Copper, Lead and Zinc from Artificially Contaminated Soil using EDTA, Rhamnolipids, and Soapnut. <i>European Journal of Environment and Earth Sciences</i> , 2021, 2, 1-7. | 0.3 | 1 |
| 10 | Nitric oxide modified growth, nutrient uptake and the antioxidant defense system in tomato seedlings stressed with arsenic. <i>Theoretical and Experimental Plant Physiology</i> , 2021, 33, 205-223. | 2.4 | 9 |
| 11 | <i>Paracyclops chiltoni</i> inhabiting water highly contaminated with arsenic: Water chemistry, population structure, and arsenic distribution within the organism. <i>Environmental Pollution</i> , 2021, 284, 117155. | 7.5 | 9 |
| 12 | Inorganic and organic characterization of Santa LucÃ­a salt mine peloid for quality evaluations. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15944-15958. | 5.3 | 11 |
| 13 | Alluvial and gypsum karst geological transition favors spreading arsenic contamination in Matehuala, Mexico. <i>Science of the Total Environment</i> , 2020, 707, 135340. | 8.0 | 10 |
| 14 | The labile fractions of metals and arsenic in mining-impacted soils are explained by soil properties and metal source characteristics. <i>Journal of Environmental Quality</i> , 2020, 49, 417-427. | 2.0 | 6 |
| 15 | Role of unsaturated soil above a heavily contaminated aquifer in the natural attenuation of arsenic. <i>E3S Web of Conferences</i> , 2019, 98, 09017. | 0.5 | 4 |
| 16 | Tl(I) sorption behavior on birnessite and its implications for mineral structural changes. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 248, 356-369. | 3.9 | 48 |
| 17 | Impact of Silicon Nanoparticles on the Antioxidant Compounds of Tomato Fruits Stressed by Arsenic. <i>Foods</i> , 2019, 8, 612. | 4.3 | 25 |
| 18 | Removal of Cu, Cd, Pb and Zn from Contaminated Soil by Using Plant-Based Surfactants, <i>Sapindus mukorossi</i> L (Soapnut) and <i>Acacia Concinna</i> (Shikakai). <i>International Journal of Environmental Science and Development</i> , 2019, 10, 183-187. | 0.6 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | OPTIMIZING THE DIFFERENTIAL PULSE ANODIC STRIPPING VOLTAMMETRY METHOD WITH A HANGING MERCURY ELECTRODE FOR THALLIUM (I) DETERMINATION IN THE PRESENCE OF LEAD (II) AND COPPER (II) FOR APPLICATION IN CONTAMINATED SOILS. <i>Revista Internacional De Contaminacion Ambiental</i> , 2019, 35, 481-494. | 0.4 | 4 |
| 20 | Radioactivity levels in peloids used in main Cuban spas. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 95-99. | 1.5 | 8 |
| 21 | Zinc Removal from Soil by Washing with Saponin Obtained from <i>Sapindus mukorossi</i> . <i>Journal of Environmental Analytical Chemistry</i> , 2018, 05, . | 0.3 | 5 |
| 22 | Distribution of Arsenic and Risk Assessment of Activities on Soccer Pitches Irrigated with Arsenic-Contaminated Water. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1060. | 2.6 | 12 |
| 23 | Instrumental neutron activation analysis of peloids from main Cuban spas. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 1079-1087. | 1.5 | 4 |
| 24 | Assessment of Some Trace Chemical Elements in Cajão Beach Peloid Using Nuclear Analytical Techniques. <i>KnE Engineering</i> , 2018, 3, 89. | 0.1 | 1 |
| 25 | Role of indigenous microbiota from heavily contaminated sediments in the bioprecipitation of arsenic. <i>Journal of Hazardous Materials</i> , 2017, 339, 114-121. | 12.4 | 16 |
| 26 | Arsenic contamination in irrigation water, agricultural soil and maize crop from an abandoned smelter site in Matehuala, Mexico. <i>Journal of Hazardous Materials</i> , 2017, 339, 330-339. | 12.4 | 63 |
| 27 | SĀNTESIS DE ARSENIATOS DE CALCIO (GUERINITA, HAIDINGERITA Y FARMACOLITA) MORFOLĀGICAMENTE SIMILARES A LOS ENCONTRADOS EN SUELOS CONTAMINADOS. <i>Revista Internacional De Contaminacion Ambiental</i> , 2017, 33, 153-163. | 0.4 | 3 |
| 28 | Revised aqueous solubility product constants and a simple laboratory synthesis of the Pb(II) hydroxycarbonates: Plumbonacrite and hydrocerussite. <i>Geochemical Journal</i> , 2017, 51, 315-328. | 1.0 | 5 |
| 29 | Santa Rosa de Copān; una propuesta hacia una nueva gestiĀn del agua. <i>EconomĀa Y AdministraciĀn (E&A)</i> , 2016, 6, . | 0.2 | 0 |
| 30 | Physicochemical characterization, elemental speciation and hydrogeochemical modeling of river and peloid sediments used for therapeutic uses. <i>Applied Clay Science</i> , 2015, 104, 36-47. | 5.2 | 25 |
| 31 | Identification of diagenetic calcium arsenates using synchrotron-based micro X-ray diffraction. <i>Boletin De La Sociedad Geologica Mexicana</i> , 2015, 67, 479-491. | 0.3 | 5 |
| 32 | Laboratory synthesis of goethite and ferrihydrite of controlled particle sizes. <i>Boletin De La Sociedad Geologica Mexicana</i> , 2015, 67, 433-446. | 0.3 | 59 |
| 33 | Arsenic mobility controlled by solid calcium arsenates: A case study in Mexico showcasing a potentially widespread environmental problem. <i>Environmental Pollution</i> , 2013, 176, 114-122. | 7.5 | 81 |
| 34 | Morphology and Solubility Products of Calcium Arsenates Found in Arsenic Contaminated Soils in an Abandoned Smelter. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 562-565. | 0.6 | 0 |
| 35 | Importance of Dynamic Soil Properties in Metal Retention: An Example from Long-Term Cu Partitioning and Redistribution Studies Using Model Systems. <i>Environmental Science & Technology</i> , 2012, 46, 8069-8074. | 10.0 | 7 |
| 36 | Natural zinc enrichment in peatlands: Biogeochemistry of ZnS formation. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 84, 165-176. | 3.9 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Solid- and Solution-Phase Organics Dictate Copper Distribution and Speciation in Multicomponent Systems Containing Ferrihydrite, Organic Matter, and Montmorillonite. <i>Environmental Science & Technology</i> , 2008, 42, 2833-2838. | 10.0 | 24 |
| 38 | Copper-Alumina-Organic Matter Mixed Systems: Alumina Transformation and Copper Speciation As Revealed by EPR Spectroscopy. <i>Environmental Science & Technology</i> , 2008, 42, 4422-4427. | 10.0 | 7 |
| 39 | Sorption of lead in soil as a function of pH: a study case in México. <i>Chemosphere</i> , 2004, 57, 1537-1542. | 8.2 | 57 |
| 40 | Photocatalytic degradation of the herbicide "Paraquat". <i>Chemosphere</i> , 1999, 39, 511-517. | 8.2 | 63 |
| 41 | Evaluation of Potential Ecological Risk Index of Toxic Metals Contamination in the Soils. , 0, , . | | 5 |