

TITULO

Assessment of the energy gain of photovoltaic systems by using solar tracking in equatorial regions
Using satellite radar amplitude imaging for monitoring syn-eruptive changes in surface morphology at an ice-capped stratovolcano
Phase-field lattice Boltzmann simulations of multiple dendrite growth with motion, collision, and coalescence and subsequent grain growth
Distribution, contents and health risk assessment of metal(loid)s in small-scale farms in the Ecuadorian Amazon: An insight into impacts of oil activities
Control of anthracnose, caused by *Colletotrichum musae*, on postharvest organic banana by thyme oil
Storage conditions of the mafic and silicic magmas at Cotopaxi, Ecuador
Comparison of propagation and packet error models in vehicular networks performance
Effect of the dispersing agent on the structural and magnetic properties of CoFe₂O₄/SiO₂ nanocomposites
High efficiencies for laser cleaning of glassware irradiated from the back: application to glassware historical objects
A novel approach to assessing environmental disturbance based on habitat selection by zebra fish as a model organism
Wet and dry extremes in Quito (Ecuador) since the 17th century
Changes in phytochemical composition, bioactivity and in vitro digestibility of guayusa leaves (*Ilex guayusa* Loes.) in different ripening stages
Periodicity in the BrO SO₂ molar ratios in the volcanic gas plume of Cotopaxi and its correlation with the Earth tides during the eruption in 2015
Exergoecology assessment of mineral exports from Latin America: Beyond a tonnage perspective
Seismic, volcanic, and geodetic networks in Ecuador: building capacity for monitoring and research
A quantitative analysis of the use of microdata for semantic annotations on educational resources
Dominant eigenvalue minimization with trace preserving diagonal perturbation: Subset design problem
Effect of carbonates on hydroxyapatite self-activated photoluminescence response
Unraveling climatic wind and wave trends in the Red Sea using wave spectra partitioning
Adulteration of clove essential oil: Detection using a handheld Raman spectrometer
Monitoring the earthquake cycle in the northern andes from the ecuadorian cGPS network
Dynamics between energy consumption and economic growth in Ecuador: A granger causality analysis
Evolution of the characteristics of Parametric X-ray Radiation from textured polycrystals under different observation angles
Phylogenetic classification of the world's tropical forests
Analysis of Evolutionarily Independent Protein-RNA Complexes Yields a Criterion to Evaluate the Relevance of Prebiotic Scenarios
Volcanic Eruption Forecasts From Accelerating Rates of Drumbeat Long-Period Earthquakes
Validation of satellite estimates (Tropical Rainfall Measuring Mission, TRMM) for rainfall variability over the Pacific slope and Coast of Ecuador
A multigrid optimization algorithm for the numerical solution of quasilinear variational inequalities involving the p-Laplacian
An exact approach for the balanced k-way partitioning problem with weight constraints and its application to sports team realignment
Rediscovery of *Chaetostomus setosus* Boulenger 1887 (Siluriformes, Loricariidae), and assessment of the external characters used for determination of genera within the *Chaetostoma* group
A short review and worldwide list of wild albino rodents with the first report of albinism in *Coendou rufescens* (Rodentia: Erethizontidae)
Isatin Detection Using a Boron-Doped Diamond 3-in-1 Sensing Platform
Recurrent slow slip events as a barrier to the northward rupture propagation of the 2016 Pedernales earthquake (Central Ecuador)
The Global Signature of Ocean Wave Spectra
Understanding cyclic seismicity and ground deformation patterns at volcanoes: Intriguing lessons from Tungurahua volcano, Ecuador
Development of a timestamping web application for the electronic factoring process in Ecuador
Comparative study of two silica mesoporous materials (SBA-16 and SBA-15) modified with a hydroxyapatite layer for clindamycin controlled delivery
Enhancing education for sustainable development in environmental university programmes: A co-creation approach
Contribution of technology to the productivity of small and medium-sized enterprises in the textile industry in Ecuador [Contribución de la tecnología a la productividad de las pymes de la industria textil en Ecuador]
Alignment of software project management with the business strategy in VSEs: Model and evaluation
Parametric modeling for aerodynamic assessment of a fixed wing UAV implemented for site specific management
Parametric study of aerodynamic integration issues in highly coupled blended wing body configurations implemented in UAVs
OER in lifelong learning for older adults
Effect of the prodegradant-additive plastics incorporated on the polyethylene recycling
Existence and uniqueness of weak solutions for nonlocal parabolic problems via the Galerkin method
Cookie scout: An analytic model for prevention of cross-site scripting (XSS) using a cookie classifier
Method for accessibility assessment of online content editors
Autonomic communication system based on cognitive techniques
Toward a combined method for evaluation of web accessibility
The genetic relationship between andesites and dacites at Tungurahua volcano, Ecuador
Data-driven techniques for modelling the gross primary production of the páramo vegetation using climate data: Application in the Ecuadorian Andean region
Moving beyond limitations: Evaluating the quality of android apps in spanish for people with disability
Co-creation in undergraduate engineering programs: Effects of communication and student participation
Analysis and implementation of ETL system for unmanned aerial vehicles (UAV)
Conceptual model for identity management to mitigate the database security of the registry civil of Ecuador
Species limits within the widespread amazonian treefrog *Dendropsophus parviceps* with descriptions of two new species (anura, hylidae)
Unveiling unbalance on sustainable supply chain research: Did we forget something?
Functional traits determine tree growth and ecosystem productivity of a tropical montane forest: Insights from a long-term nutrient manipulation experiment
Using infrasound waves to monitor tropospheric weather and crater morphology changes at Volcán Tungurahua, Ecuador
The taxonomic status of *Copemyodon ecuadorensis* (Rodentia, Cricetidae), a supposedly extinct muroid from the Ecuadorean Quaternary
Mapping the global offshoring network through the Panama papers
Entrepreneurial orientation, risk and incentives: the case of franchising

Tephra fallout from the long-lasting tungurahua eruptive cycle (1999-2014): Variations through eruptive style transition and deposition processes [Caída de tefra del ciclo eruptivo de larga duración del volcán tungurahua (1999-2014): variaciones a través de las transiciones de estilo eruptivo y de los procesos de]

Aligning the Light Without Channel State Information for Visible Light Communications

Shallow-level differentiation of phonolitic lavas from Sumaco Volcano, Ecuador

Quantifying decade-long effects of fuel and traffic regulations on urban ambient PM2.5 pollution in a mid-size South American city

Areas prone to slow slip events impede earthquake rupture propagation and promote afterslip

Landscape-scale drivers of glacial ecosystem change in the montane forests of the eastern Andean flank, Ecuador

Integrating phylogenomic and population genomic patterns in avian lice provides a more complete picture of parasite evolution

Rapid decline of snow and ice in the tropical Andes – Impacts, uncertainties and challenges ahead

Rodents of the eastern and western slopes of the tropical andes: Phylogenetic and taxonomic insights using DNA barcodes

Implementation of the single machine equivalent (SIME) method for transient stability assessment in DigSILENT PowerFactory

Chemical, antimicrobial, and molecular characterization of mortiño (*Vaccinium floribundum* Kunth) fruits and leaves

Reducing uncertainty to promote appropriate decisions when facing hazardous phenomena at an active volcano