



Boletín de Novedades Geocientíficas 2019 -N° 7

Artículos de Revistas



Long-term monitoring of waste-rock weathering at the Antamina mine, Peru

Bas Vriens, Holly Peterson, Laura Laurenzi, Leslie Smith, Celedonio Aranda, et al.

Chemosphere, vol. 215, p. 858-869, January 2019

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Automatic correction and simplification of geological maps and cross-sections for numerical simulations

Pierre Anquez, Jeanne Pellerin, Modeste Irakarama, Paul Cupillard, Bruno Lévy, Guillaume Caumon

Comptes Rendus Geoscience, vol. 351, n. 1, pp. 48-58, January 2019

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An Amphibious Whale from the Middle Eocene of Peru Reveals Early South Pacific Dispersal of Quadrupedal Cetaceans

Olivier Lambert, Giovanni Bianucci, Rodolfo Salas Gismondi, Claudio Di Celma, Etienne Steurbaut, et al.

Current Biology, vol. 29, n. 6, pp. 1352-1359.e3, April 2019

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Autopsy of an eruptive phase of Tungurahua volcano (Ecuador) through coupling of seismo-acoustic and SO₂ recordings with ash characteristics

J. Battaglia, S. Hidalgo, B. Bernard, A. Steele, S. Arellano, K. Acuña

Earth and Planetary Science Letters, vol. 511 pp. 223-232, April 2019

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Petrographic classification of sand and sandstone

Eduardo Garzanti

Earth-Science Reviews, vol. 192, pp. 545-563, May 2019

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Implementing strategic environmental assessment in countries of the global South – An analysis within the Peruvian context

Juliane Biehl, Johann Köppel, Verena Rodorff, María Elena Huesca Pérez, Annegret Zimmermann, et al.

Environmental Impact Assessment Review, vol. 77, pp. 23-39, July 2019

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Chromium isotope cycling in the water column and sediments of the Peruvian continental margin

S. Bruggmann, F. Scholz, R.M. Kläbe, D.E. Canfield, R. Frei

Geochimica et Cosmochimica Acta, vol. 257, pp. 224-242, July 2019

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Geomorphology

Latitudinal trends in modern fluvial erosional efficiency along the Andes

Clayton S. Sorensen, Brian J. Yanites

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Assessing strategies to mitigate debris-flow risk in Abancay province, south-central Peruvian Andes

Clara Rodríguez-Morata, Sandra Villacorta, Markus Stoffel, Juan Antonio Ballesteros-Cánovas

vol. 342, pp. 127-139, October 2019

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The influence of centennial-scale variations in the South American summer monsoon and base-level fall on Holocene fluvial systems in the Peruvian Andes

Willem Viveen, Leonardo Zevallos-Valdivia, Jorge Sanjurjo-Sánchez

Global and Planetary Change, vol. 176, pp. 1-22, May 2019

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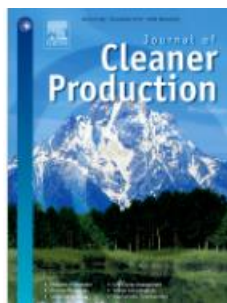


Participatory Water Basin Councils in Peru and Brazil: Expert discourses as means and barriers to inclusion

María Mancilla García, Örjan Bodin

Global Environmental Change, vol. 55, pp. 139-148, March 2019

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“Our gold is dirty, but we want to improve”: Challenges to addressing mercury use in artisanal and small-scale gold mining in Peru

Nicole M. Smith

Journal of Cleaner Production, vol. 222, pp. 646-654, June 2019

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Conservation gaps and priorities in the Tropical Andes biodiversity hotspot: Implications for the expansion of protected areas

Vincent Bax, Wendy Francesconi

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Land-use conflicts between biodiversity conservation and extractive industries in the Peruvian Andes

Vincent Bax, Wendy Francesconi, Alexi Delgado

vol. 232, pp. 1028-1036, February 2019

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Integrated modelling of a megacity water system – The application of a transdisciplinary approach to the Lima metropolitan area

Manfred Schütze, Jochen Seidel, Alejandro Chamorro, Christian León

Journal of Hydrology, vol. 573, pp. 983-993, June 2019

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Journal of South American Earth Sciences

Magmatic evolution of the Cerro Maricunga gold porphyry-epithermal system, Maricunga belt, N-Chile

Stephanie Lohmeier, Albrecht Schneider, Boris Belyatsky, Bernd Lehmann

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Cordierite-bearing granitic rocks in South America: Contrasting sources and conditions of formation

V.P. Ferreira, A.N. Sial, A.J. Toselli, J.R. de Toselli, P.G. Molina, et al.

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Crustal dense blocks in the fore-arc and arc region of Chilean ranges and their role in the magma ascent and composition: Breaking paradigms in the Andean metallogeny

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Analysis of the magmatic – Hydrothermal volcanic field of Tacora Volcano, northern Chile using travel time tomography

C. Pavez, D. Comte, F. Gutiérrez, D. Gaytán

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**Journal of Structural
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Testing the occurrence of thick-skinned triangle zones in the Central Andes forearc: Example from the Salar de Punta Negra Basin in northern Chile

Fernando Martínez, Christopher López, Mauricio Parra, Daniela Espinoza

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Analogue modeling of large-transport thrust faults in evaporites-floored basins: Example of the Chazuta Thrust in the Huallaga Basin, Peru

Sandra Borderie, Bruno C. Vendeville, Fabien Graveleau, César Witt, Pierre Dubois, et al.

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**Journal of Volcanology
and Geothermal Research**

Fault textures in volcanic debris-avalanche deposits and transformations into lahars: The Pichu Pichu thrust lobes in south Peru compared to worldwide avalanche deposits

Karine Bernard, Benjamin van Wyk de Vries, Jean-Claude Thouret

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Detection of pre-eruptive seismic velocity variations at an andesitic volcano using ambient noise correlation on 3-component stations: Ubinas volcano, Peru, 2014

Roger Machacca-Puma, Philippe Lesage, Eric Larose, Pascal Lacroix, Rosa M. Anccasi-Figueroa

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The structural architecture of the Los Humeros volcanic complex and geothermal field

Gianluca Norini, Gerardo Carrasco Núñez, Fernando Corbo Camargo, Javier Lermo, Javier Hernández Rojas, et al.

vol. 381, pp. 312-329, September 2019

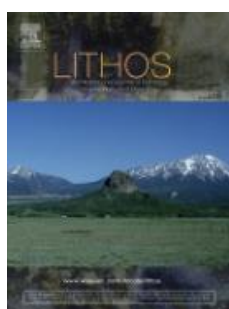
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Multi-stage chaotic magma mixing at Turrialba volcano

Charlotte L. DeVitre, Esteban Gazel, Chelsea M. Allison, Gerardo Soto, Pilar Madrigal, et al.

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Protracted evolution of the Marañón Valley Au Belt magmatic complex in the Peruvian Andes using zircon oxygen isotopes, Lu-Hf and U-Pb analyses

F. Voute, S.G. Hagemann, A.I.S. Kemp, N. Thebaud, N.J. Evans, C. Villanes

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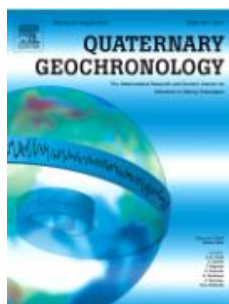


'Agro sí, mina NO!' the Tía María copper mine, state terrorism and social war by every means in the Tambo Valley, Peru

Alexander Dunlap

Political Geography, vol. 71, pp. 10-25, May 2019

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IRSL dating of rocks and sediments from desert geoglyphs in coastal Peru

James Feathers, More More, Gabriel | Solis Quinteros, Pablo | Burkholder, Jo Ellen

Quaternary Geochronology, vol. 49, pp. 177-183, February 2019

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Dating volcanic ash and pumice stones from volcano El Misti, Peru, by thermoluminescence

Jorge S. Ayala-Arenas, Nilo F. Cano, Marco Rivera-Porras, Carlos D. Gonzales-Lorenzo, Shiguelo Watanabe

Quaternary International, vol. 512, pp. 1-5, April 2019

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Sub-metre mapping of surface soil moisture in proglacial valleys of the tropical Andes using a multispectral unmanned aerial vehicle

Wigmore, Oliver; Mark, Bryan; McKenzie, Jeffrey; Baraer, Michel; Lautz, Laura

Remote Sensing of Environment, vol. 222, pp. 104-118, March 2019

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Science of The Total Environment

The Negro River (Ancash-Peru): A unique case of water pollution, three environmental scenarios and an unresolved issue

J.A. Grande, R. Loayza-Muro, F.M. Alonso-Chaves, J.C. Fortes, B. Willems, et al.

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Relation of El Niño and La Niña phenomena to precipitation, evapotranspiration and temperature in the Amazon basin

Marks Melo Moura, Alexandre Rosa dos Santos, José Eduardo Macedo Pezzopane, Rodrigo Sobreira Alexandre, Samuel Ferreira da Silva, et al.

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Peru's road to climate action: Are we on the right path? The role of life cycle methods to improve Peruvian national contributions

Ian Vázquez-Rowe, Ramzy Kahhat, Gustavo Larrea-Gallegos, Kurt Ziegler-Rodriguez

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Environmental impacts of the life cycle of alluvial gold mining in the Peruvian Amazon rainforest

Ramzy Kahhat, Eduardo Parodi, Gustavo Larrea-Gallegos, Carlos Mesta, Ian Vázquez-Rowe

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Managing risks and future options from new lakes in the deglaciating Andes of Peru: The example of the Vilcanota-Urubamba basin

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Origin, distribution, and geochemistry of arsenic in the Altiplano-Puna plateau of Argentina, Bolivia, Chile, and Perú

J. Tapia, J. Murray, M. Ormachea, N. Tirado, D.K. Nordstrom

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Plate tectonics influence on geogenic arsenic cycling: From primary sources to global groundwater enrichment

Abhijit Mukherjee, Saibal Gupta, Poulomee Coomar, Alan E. Fryar, Stephane Guillot, et al.

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In urban, but not rural, areas of Madre de Dios, Peru, adoption of a Western diet is inversely associated with selenium intake

Stacy M. Pettigrew, William K. Pan, Axel Berky, James Harrington, Jennifer F. Bobb, Beth J. Feingold

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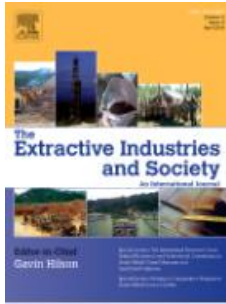


Receiver function analysis reveals layered anisotropy in the crust and upper mantle beneath southern Peru and northern Bolivia

Neta Bar, Maureen D. Long, Lara S. Wagner, Susan L. Beck, George Zandt, Hernando Tavera

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**Expansion of small-scale gold mining in Madre de Dios:
'capital interests' and the emergence of a new elite of
entrepreneurs in the Peruvian Amazon**

Dolores Cortés McPherson

The Extractive Industries and Society, vol. 6, n. 2, pp. 382-389,
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