



Boletín de Novedades Geocientíficas **N° 10, Octubre 2020**

ARTICULOS DE REVISTAS

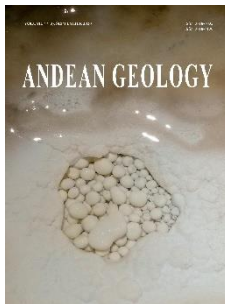


The nature of Zn-phyllsilicates in the nonsulfide Mina Grande and Cristal zinc deposits (Bongará District, Northern Peru): The TEM-HRTEM and AEM perspective

Balassone, Giuseppina; Scognamiglio, Valentina; Nieto, Fernando; Mondillo, Nicola; Boni, Maria, et al.

American Mineralogist, vol. 105, n. 8, August 2020, pp. 1223-1241

[Ver artículo](#)



Andean Geology

Tectonic setting of Cretaceous porphyry copper deposits of northern Chile (28°-30° S) and its relations with magmatic evolution and metallogeny

Creixell T., Christian; Fuentes, Javier; Bierma, Hessel; Salazar P., Esteban

vol. 47, n. 3, September 2020, pp. 469-507

[Ver artículo](#)

Late Holocene tephrostratigraphy from Cajas National Park, southern Ecuador

Arcusa, Stephanie H.; Schneider, Tobias; Mosquera, Pablo V.; Vogel, Hendrik; Kaufman, Darrell S., et al.

vol. 47, n. 3, September 2020, pp. 508-528

[Ver artículo](#)

Exploration, mapping and characterization of filtration galleries of the Pica Oasis, northern Chile: A contribution to the knowledge of the Pica aquifer

Lictevout, Elisabeth; Abellanos, Carlos; Maass, Constanza; Pérez, Nicolás; Yáñez F., Gonzalo A.; Véronique, Leonardi

vol. 47, n. 3, September 2020, pp. 529-558

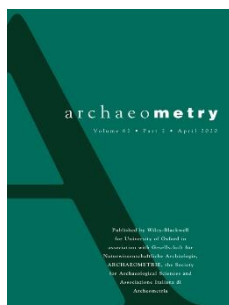
[Ver artículo](#)

Geoquímica de las rocas plutónicas del batolito cambro-ordovícico del Cordón de Lila y de la Sierra de Almeida, Región de Antofagasta, Chile

Niemeyer Rubilar, Hans

vol. 47, n. 3, September 2020, pp. 628-640

[Ver artículo](#)



XRF obsidian analysis from Ayacucho basin in Huamanga province, south-eastern Peru

Giesso, M.; Nami, H.G.; Yataco Capcha, J.J.; Glascock, Michael D.; Macdonald, B.L.

Archaeometry, vol. 62, n. 2, April 2020, pp. 215-231

[Ver artículo](#)



**Earth and Planetary
Science Letters**

Anomalously low aftershock productivity of the 2019 MW 8.0 energetic intermediate-depth faulting beneath Peru

Ye, Lingling; Lay, Thorne; Kanamori, Hiroo

vol. 549, art. 116528, November 2020, 13 p.

[Ver artículo](#)

Lithology, topography, and spatial variability of vegetation moderate fluvial erosion in the south-central Andes

Seagren, Erin G.; Schoenbohm, Lindsay M.; Owen, Lewis A.; Figueiredo, Paula M.; Hammer, Sarah J., et al.

vol. 549, art. 116555, November 2020, 15 p.

[Ver artículo](#)

The role of incremental magma chamber growth on ore formation in porphyry copper systems

Korges, Maximilian; Weis, Philipp; Andersen, Christine

vol. 549, art. 116584, November 2020, 13 p.

[Ver artículo](#)



Earth-Science Reviews

Predicting, explaining and exploring with computer simulations in fluvial geomorphology

Desjardins, Eric; Van de Wiel, Marco; Rousseau, Yannick

vol. 209, art. 102654, October 2020, 10 p.

[Ver artículo](#)

The colluvium and alluvium problem: Historical review and current state of definitions

Miller, Bradley A.; Juilleret, Jérôme

vol. 209, art. 103316, October 2020, 22 p.

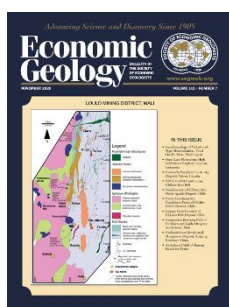
[Ver artículo](#)

Space-time landslide predictive modelling

Lombardo, Luigi; Opitz, Thomas; Ardizzone, Francesca; Guzzetti, Fausto; Huser, Raphaël

vol. 209, art. 103318, October 2020, 32 p.

[Ver artículo](#)



A continuum from iron oxide copper-gold to iron oxide-apatite deposits: evidence from Fe and O stable isotopes and trace element chemistry of magnetite

Rodríguez Mustafa, María A.; Simon, Adam C.; del Real, Irene; Thompson, John F.H.; Bilenker, Laura D., et al.

Economic Geology; vol. 115, n. 7, November 2020, pp. 1443-1459

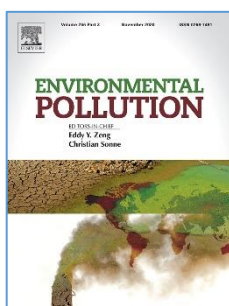
[Ver artículo](#)

Tourmaline as a tracer of late-magmatic to hydrothermal fluid evolution: the world-class San Rafael tin (-copper) deposit, Peru

Harlaux, Matthieu; Kouzmanov, Kalin; Gialli, Stefano; Laurent, Oscar; Rielli, Andrea, et al.

Economic Geology, August 2020 (first online)

[Ver artículo](#)



Comparing the performance of three methods to assess DOM dynamics within two distinct glacierized watersheds of the tropical Andes

Rodríguez Avella, Katherine A.; Baraer, Michel; Mark, Bryan G.; McKenzie, Jeffrey M. Somers, Lauren D.

Environmental Pollution, vol. 265, part A, art. 115052, October 2020, 13 p.

[Ver artículo](#)



On the mathematical modelling and data assimilation for air pollution assessment in the Tropical Andes

Montoya Quintero, O.L.; Niño Ruiz, Elías D.; Pinel, Nicolás

Environmental Science and Pollution Research, vol. 27, n. 29, October 2020, pp. 35993-36012

[Ver artículo](#)

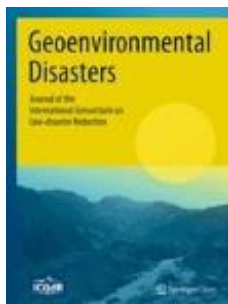


Structural controls on crustal fluid circulation and hot spring geochemistry above a flat-slab subduction zone, Peru

Scott, B.E.; Newell, Dennis L.; Jessup, Micah J.; Grambling, T.A.; Shaw, Colin A.

Geochemistry, Geophysics, Geosystems, vol. 21, n. 7, art. e2020GC008919, July 2020

[Ver artículo](#)



Towards integrated assessments of water risks in deglaciating mountain areas: water scarcity and GLOF risk in the Peruvian Andes

Motschmann, Alina; Huggel, Christian; Muñoz, Randy; Thür, Angela

Geoenvironmental Disasters, vol. 7, art. 26, September 2020, 20 p.

[Ver artículo](#)

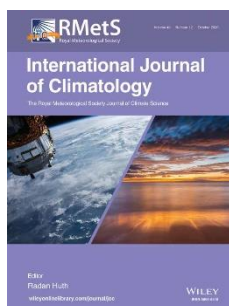


Vernacular architecture and cultural landscapes in the Sondondo valley (Peru)

Sáez, E.; Canziani, J.

The International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences, vol. XLIV-M-1-2020, September 2020, pp. 175-180

[Ver artículo](#)



Dry season circulation-type classification applied to precipitation and temperature in the Peruvian Andes

Bonshoms, Martí; Alvarez García, Francisco J.; Ubeda Palenque, José; Cabos, William; Quispe, Kelita; Liguori, Giovanni

International Journal of Climatology, April 2020, 19 p.

[Ver artículo](#)



A critical analysis of gold prospecting methods

Saliou, Barry Mamadou; Huang, Xinwu

International Journal of Geosciences, vol. 11, n. 2, February 2020, pp. 15-24

[Ver artículo](#)



Identifying metallurgical practices at a colonial silver refinery in Puno, Peru, using portable X-Ray fluorescence spectroscopy (pXRF)

Kennedy, Sarah A.; Kelloway, Sarah J.

Journal of Archaeological Science: Reports, vol. 33, art. 102568, October 2020, 11 p.

[Ver artículo](#)



Improved estimates of glacier change rates at Nevado Coropuna Ice Cap, Peru

Kochtitzky, William H.; Edwards, Benjamin R.; Enderlin, Elyn M.; Mariño Salazar, Jersy; Manrique Llerena, Nélica Victoria

Journal of Glaciology, vol. 64, n. 244, April 2018, pp. 175-184

[Ver artículo](#)

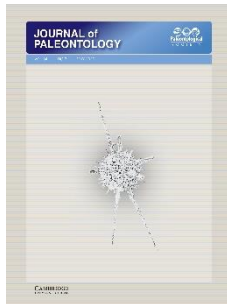


New record of Neosaimiri (Cebidae, Platyrrhini) from the late Middle Miocene of Peruvian Amazonia

Marivaux, Laurent; Aguirre Díaz, Walter; Benites Palomino, Aldo; Billet, Guillaume; Boivin, Myriam, et al.

Journal of Human Evolution, vol. 146, art. 102835, September 2020, 11 p.

[Ver artículo](#)



First evidence of Lower-? Middle Ordovician (Floian-? Dapingian) brachiopods from the Peruvian Altiplano and their paleogeographical significance

Colmenar, Jorge; Hodgins, Eben Blake

Journal of Paleontology, September 2020 (first online), 19 p.

[Ver artículo](#)



**Journal of South American
Earth Sciences**

U-Pb geochronology and geochemistry of greenville-age plutons in the Sunsas Belt - Bolivia, SW Amazonian Craton: Tectonic and magmatic implications

Nedel, Ingrid Moerschberger; Fuck, Reinhardt Adolfo; Ruiz, Amarildo Salina; Matos Salinas, Ramiro; Ferreira, Alanielsonda Câmara Dantas

vol. 104, art. 102845, December 2020, 21 p.

[Ver artículo](#)

Subduction dynamics and structural controls on shear wave splitting along the South American convergent margin

Lynner, Colton; Beck, Susan L.

vol. 104, art. 102824, December 2020, 9 p.

[Ver artículo](#)

U-Pb and Hf isotopes in granitoids from the Eastern Bolivian basement: Insights into the Paleoproterozoic evolution of the western part of South America

Redes, Leticia A.; Hauser, Natalia; Ruiz, Amarildo Salina; Matos Salinas, Ramiro; Reimold, Wolf Uwe, et al.

vol. 104, art. 102806, December 2020, 23 p.

[Ver artículo](#)



**Journal of South American
Earth Sciences**

Geochemical characterization and origin of crude oils in the Oriente basin, Ecuador, South America

Ma, Zhong-Zhen; Tian, Zuo-Ji; Zhou, Yu-Bing, Yang, Xiao-Fa; Tian, Yuan

vol. 104, art. 102790, December 2020, 13 p.

[Ver artículo](#)

South American Crocodylomorphs (Archosauria; Crocodylomorpha): A review of the early fossil record in the continent and its relevance on understanding the origins of the clade

Leardi, Juan Martín; Yáñez, Imanol; Pol, Diego

vol. 104, art. 102780, December 2020, 15 p.

[Ver artículo](#)

First pliosaur remains (Sauropterygia, Pliosauridae) from the Oxfordian of the Atacama Desert

Otero, Rodrigo A.; Soto Acuña, Sergio; Rojas, Jennyfer; Rojas M, Osvaldo

vol. 104, art. 102811, December 2020, 9 p.

[Ver artículo](#)

Pleistocene rock avalanche, damming, and secondary debris flow along the Cotahuasi river, Peru

Sánchez Nuñez, Juan Manuel; Gómez Avalos, Juan Carlos; Macías Vásquez, José Luis; Arce, José Luis

vol. 104, art. 102901, December 2020, 16 p.

[Ver artículo](#)

Post-rift regional volcanism in southern Santos Basin and the uplift of the adjacent South American coastal range

Schattner, Uri; Mahiques, Michel Michaelovitch de

vol. 104, art. 102855, December 2020, 11 p.

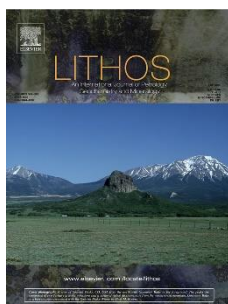
[Ver artículo](#)

Hazardous faults of South America: compilation and overview

Costa, Carlos H.C.; Alvarado, Alexandra P.; Audemard M., Franck A.; Audin, Laurence; Benavente Escobar, Carlos Lenin, et al.

vol. 104, art. 102837, December 2020, 24 p.

[Ver artículo](#)

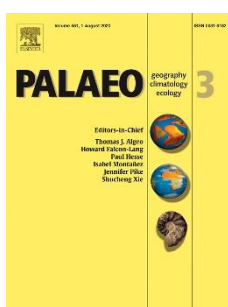


Multiple rejuvenation episodes of a silicic magma reservoir at the origin of the large diatreme-dome complex and porphyry-type mineralization events at Cerro de Pasco (Peru)

Rottier, Bertrand; Kouzmanov, Kalin; Ovtcharova, Maria; Ulianov, Alexey; Wälle, Markus; Selby, David; Fontboté, Lluís

Lithos, vol. 376–377, art. 105766, December 2020, 19 p.

[Ver artículo](#)

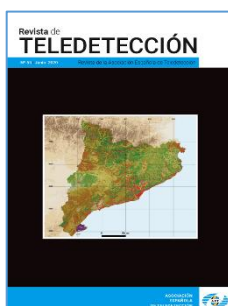


Chronology of Miocene terrestrial deposits and fossil vertebrates from Quebrada Honda (Bolivia)

Gibert, Luis; Deino, Alan; Valero, Luis; Anaya, Federico; Lería, María, et al.

Palaeogeography, Palaeoclimatology, Palaeoecology, vol. 560, art. 110013, December 2020, 17 p.

[Ver artículo](#)

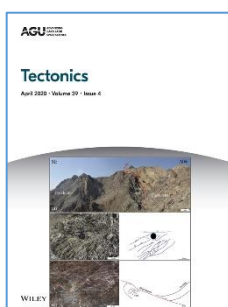


Análisis espacio temporal y climático del humedal altoandino de Chaluhanca (Perú) durante el periodo 1986-2016

Pauca Tanco, A.; Ramos Mamani, C.; Luque Fernández, C.R.; Talavera Delgado, C.; Villasante Benavides, J.F., et al.

Revista de Teledetección, n. 55, Junio 2020, pp. 105-118

[Ver artículo](#)

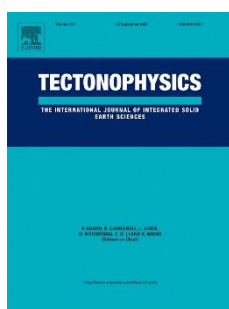


Controls on continental strain partitioning above an oblique subduction zone, Northern Andes

Schütt, J.M.; Whipp, David M.

Tectonics, vol. 39, n. 4, art. e2019TC005886, April 2020, 21 p.

[Ver artículo](#)

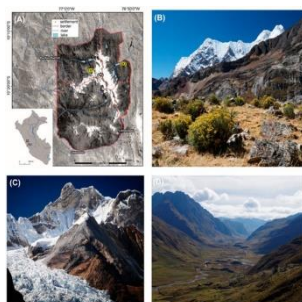


Evidence for strain rate variation and an elevated transient geothermal gradient during shear zone evolution in the Cordillera Blanca, Peru

Hughes, Cameron A.; Jessup, Micah J.; Shaw, Colin A.; Newell, Dennis L.

Tectonophysics, vol. 794, art. 228610, November 2020, 19 p.

[Ver artículo](#)

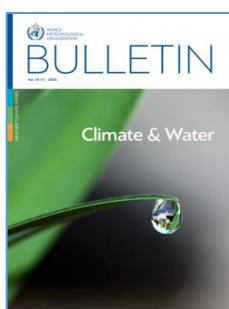


Glacial Lake Outburst Floods (GLOFs) in the Cordillera Huayhuash, Peru: Historic Events and Current Susceptibility

Bafka, Jan; Vilímek, Vít; Stefanová, Eva; Cook, Simon J.; Emmer, Adam

Water, vol. 12, n. 10, art. 2664, October 2020, 17 p.

[Ver artículo](#)



Glacier Lake 513, Peru: Lessons for early warning service development

Huggel, Christian; Cochachin, Alejo; Drenkhan, Fabian; Fluxá Sanmartín, Javier; Frey, Holger, et al.

WMO Bulletin, vol. 69, n. 1, 2020, pp. 45-52

[Ver artículo](#)

LIBROS Y TESIS EN FORMATO DIGITAL



Cambio climático y biodiversidad en los Andes tropicales

Gonda, Catalina María

Buenos Aires: Fundación Ambiente y Recursos Naturales, 2020, 36 p.

[Ver Libro](#)

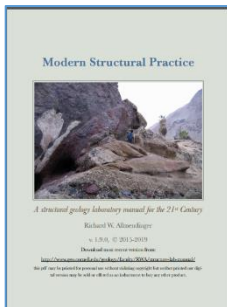


El cambio climático y la criósfera andina

Gonda, Catalina María

Buenos Aires: Fundación Ambiente y Recursos Naturales, 2019, 60 p.

[Ver Libro](#)

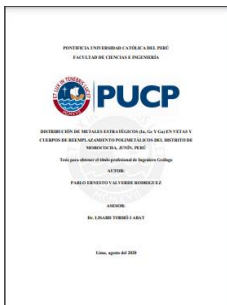


Modern structural practice: a structural geology laboratory manual for the 21st Century

Allmendinger, Richard W.

Ithaca, NY: Cornell University, 2019, 339 p.

[Ver Libro](#)



Distribución de metales estratégicos (In, Ge y Ga) en vetas y cuerpos de reemplazamiento polimetálicos del distrito de Morococha, Junín, Perú

Valverde Rodríguez, Pablo Ernesto

Tesis Ingeniero Geólogo. Lima: Pontificia Universidad Católica del Perú. Facultad de Ciencias e Ingeniería, 2020, 156 p.

[Ver Tesis](#)

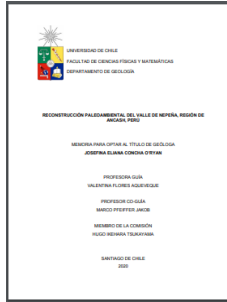


Estudio de la evolución tectónica de la cuenca intermontañosa de Huancayo durante el Neógeno Tardío y el Cuaternario

Fuentes Espinoza, Manuel Alberto

Tesis Ingeniero Geólogo. Lima: Pontificia Universidad Católica del Perú. Facultad de Ciencias e Ingeniería, 2019, 85 p.

[Ver Tesis](#)



Reconstrucción paleoambiental del Valle de Nepeña, Región de Ancash, Perú

Concha O'Ryan, Josefina Eliana

Tesis Geóloga. Santiago, Chile: Universidad de Chile. Facultad de Ciencias Físicas y Matemáticas, 79 p.

[Ver Tesis](#)

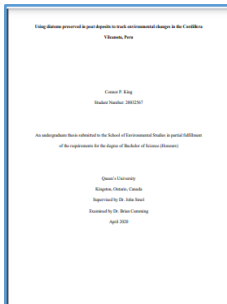


Examining the effect of El Niño phenomena and Pacific sea surface temperature on the climate of the glacierized white mountains in Peru

Reardon, Emily

Honors in Physics. Massachusetts; Bridgewater State University, 31 p.

[Ver Tesis](#)

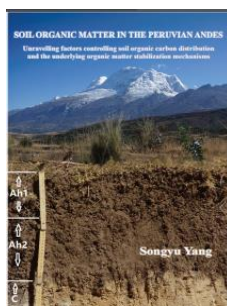


Using diatoms preserved in peat deposits to track environmental changes in the Cordillera Vilcanota, Peru

King, Connor P.

Bachelor of Science. Kingston, Ontario: Queen's University, School of Environmental Studies, 45 p.

[Ver Tesis](#)

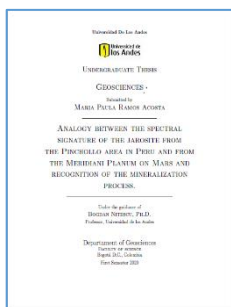


Soil organic matter in the Peruvian Andes: Unravelling factors controlling soil organic carbon distribution and the underlying organic matter stabilization mechanisms

Yang, Songyu

Doctoral Thesis. Amsterdam: University of Amsterdam, Institute for Biodiversity and Ecosystem Dynamics, Faculty of Science, 173 p.

[Ver Tesis](#)



Analogy between the spectral signature of the jarosite from the Pinchollo area in Peru and from the Meridiani Planum on Mars and recognition of the mineralization process

Ramos Acosta, María Paula

Undergraduate Thesis in Geosciences, Bogotá: Universidad de los Andes, Facultad de Ciencias, Departamento de Geociencias, 2020, 44 p.

[Ver Tesis](#)