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Periodo de búsqueda: Enero de 2017 a junio de 2022.

Sistemas: Web of Science de Clarivate Analytics y Scopus de Elsevier.

Citas total recuperadas: **83, divididas en:**

Citas tipo A (Originales) = 6 +1 +1 +3 +9 +2 +13+ 7 +6 +14=62

Citas tipo B (Co-citas) = 4 +3 +3 +11=21

TRABAJOS/citas

Con arbitraje

1. Iglesias, A., S. K. Singh, O. Castro-Artola, X. Pérez- Campos, R. D. Corona Fernandez, M. A. Santoyo, V. H. Espíndola, D. Arroyo, and S. I. Franco (2022). A Source Study of the Mw 7.0 Acapulco, Mexico, Earthquake of 8 September 2021, *Seismol. Res. Lett.* XX, 1–14, <https://doi.org/10.1785/0220220124>

2. Corona-Fernández, Raúl D.* y Miguel A. Santoyo (2022) Re-examination of the 1928 Parral, Mexico earthquake (M6.3) using a new multiplatform graphical vectorization and correction software for legacy seismic data. *Geoscience Data Journal*. <https://doi.org/10.1002/qdj3.159>.

3. Cruz-Atienza, Víctor M., Josué Tagu, Carlos Villafuerte, Meng Wei, Ricardo Garza-Girón, Luis A Dominguez, Vladimir Kostoglodov, Takuya Nishimura, Sara I. Franco, Jorge Real, Miguel A. Santoyo, Yoshihiro Ito, Ekaterina Kazachkina (2021). Short-term interaction between silent and devastating earthquakes in Mexico. *Nature Communications*, 12, 2171, <https://doi.org/10.1038/s41467-021-22326-6> (CITAS 6+4=10)

Chen, S.K., Wu, Y.-M., Chan, Y.-C.

Slow slip events following the afterslip of the 2002 Mw 7.1 Hualien offshore earthquake, Taiwan (2022) 74 (1), art. no. 63, .
DOI: 10.1186/s40623-022-01629-y

Zhao, G., Zhang, X., Cai, J., Zhan, Y., Ma, Q., Tang, J., Du, X., Han, B., Wang, L., Chen, X., Xiao, Q., Sun, X., Dong, Z., Wang, J., Zhang, J., Fan, Y., Ye, T.

A review of seismo-electromagnetic research in China (2022) 65 (7), pp. 1229-1246.
DOI: 10.1007/s11430-021-9930-5

Dominguez, L.A., Taira, T., Cruz-Atienza, V.M., Iglesias, A., Villafuerte, C., Legrand, D., Pérez-Campos, X., Raggi, M.

Interplate Slip Rate Variation Between Closely Spaced Earthquakes in Southern Mexico: The 2012 Ometepec and 2018 Pinotepa Nacional Thrust Events (2022) 127 (6), art. no. e2022JB024292, .
DOI: 10.1029/2022JB024292

Yan, Z., Xiong, X., Liu, C., Xu, J.

Integrated Analysis of the 2020 Mw 7.4 La Crucecita, Oaxaca, Mexico, Earthquake from Joint Inversion of Geodetic and Seismic Observations
(2022) 112 (3), pp. 1271-1283.
DOI: 10.1785/0120210276

Chen, S.K., Wu, Y.-M., Chan, Y.-C.

The Seismogenic Potential of the Southernmost Ryukyu Subduction Zone as Revealed by Historical Earthquakes and Slow Slip events
(2022) 10, art. no. 887182, .
DOI: 10.3389/feart.2022.887182

Maubant, L., Radiguet, M., Pathier, E., Doin, M.-P., Cotte, N., Kazachkina, E., Kostoglodov, V.

Interseismic coupling along the Mexican subduction zone seen by InSAR and GNSS
(2022) 586, art. no. 117534, .
DOI: 10.1016/j.epsl.2022.117534

Plata-Martinez, R., Ide, S., Shinohara, M., Garcia, E.S., Mizuno, N., Dominguez, L.A., Taira, T., Yamashita, Y., Toh, A., Yamada, T., Real, J., Husker, A., Cruz-Atienza, V.M., Ito, Y.

Shallow slow earthquakes to decipher future catastrophic earthquakes in the Guerrero seismic gap
(2021) 12 (1), art. no. 3976, .
DOI: 10.1038/s41467-021-24210-9

Saltogianni, V., Mouslopoulou, V., Dielforder, A., Bocchini, G.M., Bedford, J., Oncken, O.

Slow Slip Triggers the 2018 Mw 6.9 Zakynthos Earthquake Within the Weakly Locked Hellenic Subduction System, Greece
(2021) 22 (11), art. no. e2021GC010090, .
DOI: 10.1029/2021GC010090

Tago, J., Cruz-Atienza, V.M., Villafuerte, C., Nishimura, T., Kostoglodov, V., Real, J., Ito, Y.

Adjoint slip inversion under a constrained optimization framework: Revisiting the 2006 Guerrero slow slip event
(2021) 226 (2), pp. 1187-1205.
DOI: 10.1093/gji/ggab165

Perez-Silva, A., Li, D., Gabriel, A.-A., Kaneko, Y.

3D Modeling of Long-Term Slow Slip Events Along the Flat-Slab Segment in the Guerrero Seismic Gap, Mexico
(2021) 48 (13), art. no. e2021GL092968, .
DOI: 10.1029/2021GL092968

4. Santoyo, Julian and Miguel A. Santoyo (2021). The 360° Curvilinear Perspective: A Hybrid Hypercubic Angular Space Grid Based on the 1968 Barre and Flocon proposal. Nexus Network Journal, 23, 717–735. DOI: <https://doi.org/10.1007/s00004-021-00552-1> (Citas 1=1)

Olivero, L.F., Araújo, A.B.

Desiderata for a Performative Hybrid Immersive Drawing Platform
(2022) 21 (1), pp. 33-53.
DOI: 10.1515/icom-2022-0009

5. Masatoshi Miyazawa and Miguel A. Santoyo (2021). Tectonic Tremors in the Northern Mexican Subduction Zone Remotely Triggered by the 2017 Mw8.2 Tehuantepec Earthquake. Earth, Planets and Space, 73, 6 (2021). <https://doi.org/10.1186/s40623-020-01331-x> (Citas 1=1)

Velázquez-Bucio, M.M., Ferrario, M.F., Muccignato, E., Porfido, S., Sridharan, A., Chunga, K., Livio, F., Gopalan, S., Michetti, A.M.

Environmental effects caused by the Mw 8.2, September 8, 2017, and Mw 7.4, June 23, 2020, Chiapas-Oaxaca (Mexico) subduction events: Comparison of large intraslab and interface earthquakes (2021).
DOI: 10.1016/j.quaint.2021.11.028

6. Sawires Rashad, Miguel A. Santoyo, José A. Peláez and Jesús Henares (2021). Western Mexico seismic source model for the seismic hazard assessment of the Jalisco-Colima-Michoacán region. Natural Hazards, 105, pages 2819–2867 (2021) <https://doi.org/10.1007/s11069-020-04426-6> (Citas 3=3)

Boulesteix, T., Legrand, D., Taquet, N., Coppola, D., Laiolo, M., Valade, S., Massimetti, F., Caballero-Jiménez, G., Campion, R.
Modulation of Popocatépetl's activity by regional and worldwide earthquakes (2022) 84 (8), art. no. 80, .
DOI: 10.1007/s00445-022-01584-2

Velasco Herrera, V.M., Rossello, E.A., Orgeira, M.J., Arioni, L., Soon, W., Velasco, G., Rosique-de la Cruz, L., Zúñiga, E., Vera, C.
Long-Term Forecasting of Strong Earthquakes in North America, South America, Japan, Southern China and Northern India With Machine Learning (2022) 10, art. no. 905792, .
DOI: 10.3389/feart.2022.905792

Escudero, C.R., Ramirez Gaytan, A., Zamora Camacho, A., Preciado, A., Flores, K.L., Gomez Hernandez, A.
Geotechnical zonation and soil–structure interaction at Puerto Vallarta, México (2022) 110 (1), pp. 247-267.
DOI: 10.1007/s11069-021-04945-w

7. Pouye Yazdi*, Jorge M. Gaspar-Escribano, Miguel A. Santoyo and Alejandra Staller (2020). Erratum to Analysis of the 2014 Mw 7.3 Papanoa (Mexico) Earthquake: Implications for Seismic Hazard Assessment. Seismological Research Letters, 91(3), 1927, abril 2020. <https://doi.org/10.1785/0220200098>

8. Sawires Rashad, Miguel A. Santoyo, José A. Pelaez and Raul Daniel Corona-Fernandez (2019) An updated and unified earthquake catalog from 1787 to 2018 for seismic hazard assessment studies in Mexico. Nature - Scientific Data, 6, 241 DOI: <https://doi.org/10.1038/s41597-019-0234-z> . Online: October 29, 2019. (Citas 9+3=12)

Bagagli, M., Molinari, I., Diehl, T., Kissling, E., Giardini, D., Clinton, J., Scarabello, L., Käestli, P., Racine, R., Massin, F., Pahor, J., Zivčić, M., Plenefisch, T., Jia, Y., Csicsay, K., Ivančić, I., HetCrossed D Sign@nyi, G., Abreu, R., Allegretti, I., Apoloner, M.-T., Aubert, C., Besançon, S., Bès De Berc, M., Brunel, D., Capello, M., Ceरman, M., Cavaliere, A., Chèze, J., Chiarabba, C., Cougoulat, G., Cristiano, L., Czifra, T., D'Alema, E., Danesi, S., Daniel, R., Dannowski, A., Dasović, I., Deschamps, A., Egdorf, S., Fiket, T., Fischer, K., Funke, S., Govoni, A., Gröschl, G., Heimers, S., Heit, B., Herak, D., Huber, J., Jarić, D., Jedlička, P., Jund, H., Klingen, S., Klotz, B., Kolínský, P., Kotek, J., Kühne, L., Kuk, K., Lange, D., Loos, J., Lovati, S., Malengros, D., Maron, C., Martin, X., Massa, M., Mazzarini, F., McRossed D Sign@tral, L., Moretti, M., Munzarová, H., Nardi, A., Pahor, J., PCrossed D Sign@quegnat, C., Petersen, F., Piccinini, D., Pondrelli, S., Prevolnik, S., Racine, R., RCrossed D Sign@gnier, M., Reiss, M., Salimbeni, S., Santulin, M., Scherer, W., Schippkus, S., Schulte-Kortnack, D., Solarino, S., Spieker, K., Stipčević, J., Strollo, A., Süle, B., Szanyi, G., Szucs, E., Thorwart, M., Ueeding, S., Vallocchia, M., Vecsey, L., Voigt, R., Weidle, C., Weyland, G., Wiemer, S., Wolf, F., Wolyniec, D., Zieke, T.
The AlpArray Research Seismicity-Catalogue (2022) 231 (2), pp. 921-943.
DOI: 10.1093/gji/gjac226

Boulesteix, T., Legrand, D., Taquet, N., Coppola, D., Laiolo, M., Valade, S., Massimetti, F., Caballero-Jiménez, G., Campion, R.

Modulation of Popocatépetl's activity by regional and worldwide earthquakes

(2022) 84 (8), art. no. 80, .

DOI: 10.1007/s00445-022-01584-2

Dominguez, L.A., Taira, T., Cruz-Atienza, V.M., Iglesias, A., Villafuerte, C., Legrand, D., Pérez-Campos, X., Raggi, M.

Interplate Slip Rate Variation Between Closely Spaced Earthquakes in Southern Mexico: The 2012 Ometepec and

2018 Pinotepa Nacional Thrust Events

(2022) 127 (6), art. no. e2022JB024292, .

DOI: 10.1029/2022JB024292

Gvishiani, A.D., Vorobieva, I.A., Shebalin, P.N., Dzeboev, B.A., Dzeranov, B.V., Skorkina, A.A.

Integrated Earthquake Catalog of the Eastern Sector of the Russian Arctic

(2022) 12 (10), art. no. 5010, .

DOI: 10.3390/app12105010

Vorobieva, I.A., Gvishiani, A.D., Dzeboev, B.A., Dzeranov, B.V., Barykina, Y.V., Antipova, A.O.

Nearest Neighbor Method for Discriminating Aftershocks and Duplicates When Merging Earthquake Catalogs

(2022) 10, art. no. 820277, .

DOI: 10.3389/feart.2022.820277

Sawires, R., Peláez, J.A., Sparacino, F., Radwan, A.M., Rashwan, M., Palano, M.

Seismic and geodetic crustal moment-rates comparison: New insights on the seismic hazard of egypt

(2021) 11 (17), art. no. 7836, .

DOI: 10.3390/app11177836

Yu, C., Li, Z., Song, C.

Geodetic Constraints on Recent Subduction Earthquakes and Future Seismic Hazards in the Southwestern Coast of Mexico

(2021) 48 (13), art. no. e2021GL094192, .

DOI: 10.1029/2021GL094192

Zavala, N., Clemente-Chávez, A., Figueroa-Soto, Á., González-Martínez, M., Sawires, R.

Application of horizontal to Vertical Spectral Ratio microtremor technique in the analysis of site effects and structural response of buildings in Querétaro city, Mexico

(2021) 108, art. no. 103211, .

DOI: 10.1016/j.jsames.2021.103211

Rahman, A., Najam, F.A., Zaman, S., Rasheed, A., Rana, I.A.

An updated probabilistic seismic hazard assessment (PSHA) for Pakistan

(2021) 19 (4), pp. 1625-1662.

DOI: 10.1007/s10518-021-01054-8

Guo, R., Yang, H., Zhu, Y., Zheng, Y., Xu, J., Zhang, L., An, C.

Narrow Rupture of the 2020 Mw 7.4 la Crucecita, Mexico, Earthquake

(2021) 92 (3), pp. 1891-1899.

DOI: 10.1785/0220200328

Amaro-Mellado, J.L., Bui, D.T.

Gis-based mapping of seismic parameters for the pyrenees

(2020) 9 (7), art. no. 452, .

DOI: 10.3390/ijgi9070452

Sawires, R., Peláez, J.A., AlHamaydeh, M., Henares, J.

A state-of-the-art seismic source model for the United Arab Emirates

(2019) 186, art. no. 104063, .

DOI: 10.1016/j.jseaes.2019.104063

9. Yazdi Pouye*, Jorge M. Gaspar-Escribano, Miguel A. Santoyo, Alejandra Staller (2019). Analysis of the 2014 Mw7.3 Papanoa (Mexico) Earthquake: Implications for Seismic Hazard Assessment. *Seismological Research Letters*, Online June 26, 2019, DOI: <https://doi.org/10.1785/0220190032> (Citas 2=2)

Monterrubio-Velasco, M., Ramón Zúñiga, F., Rodríguez-Pérez, Q., Rojas, O., Aguilar-Meléndez, A., De La Puente, J.
Synthetic seismicity distribution in Guerrero-Oaxaca subduction zone, Mexico, and its implications on the role of asperities in Gutenberg-Richter law
(2020) 13 (12), pp. 6361-6381.
DOI: 10.5194/gmd-13-6361-2020

Vargas, C.A., Beck, S.L., Protti, M., Campos, J.A.
Preface to the focus section on subduction zone processes in the Americas
(2019) 90 (5), pp. 1723-1725.
DOI: 10.1785/0220190173

10. Suárez Gerardo, Miguel A. Santoyo, Vala Hjorleifsdottir, Arturo Iglesias, Carlos Villafuerte, Victor M. Cruz-Atienza (2019). Large scale lithospheric detachment of the downgoing Cocos plate: The 8 September 2017 earthquake (Mw 8.2). *Earth and Planetary Science Letters*, 509, Pages 9-14S. <https://doi.org/10.1016/j.epsl.2018.12.018> (Citas 13+3=16)

Dominguez, L.A., Taira, T., Cruz-Atienza, V.M., Iglesias, A., Villafuerte, C., Legrand, D., Pérez-Campos, X., Raggi, M.
Interplate Slip Rate Variation Between Closely Spaced Earthquakes in Southern Mexico: The 2012 Ometepec and 2018 Pinotepa Nacional Thrust Events
(2022) 127 (6), art. no. e2022JB024292, .
DOI: 10.1029/2022JB024292

Yan, Z., Xiong, X., Liu, C., Xu, J.
Integrated Analysis of the 2020 Mw 7.4 La Crucecita, Oaxaca, Mexico, Earthquake from Joint Inversion of Geodetic and Seismic Observations
(2022) 112 (3), pp. 1271-1283.
DOI: 10.1785/0120210276

Nava Lara, S.V., Manea, V.C.
Numerical models for slab tearing beneath southern Mexico and northern Central America
(2022) 115, art. no. 103771, .
DOI: 10.1016/j.jsames.2022.103771

Gomberg, J., Bodin, P.
The productivity of Cascadia aftershock sequences
(2021) 111 (3), pp. 1494-1507.
DOI: 10.1785/0120200344

Calò, M.
Tears, windows, and signature of transform margins on slabs. Images of the Cocos plate fragmentation beneath the Tehuantepec isthmus (Mexico) using Enhanced Seismic Models
(2021) 560, art. no. 116788, .
DOI: 10.1016/j.epsl.2021.116788

Suárez, G.
Large earthquakes in the Tehuantepec subduction zone: evidence of a locked plate interface and large-scale deformation of the slab
(2021) 25 (2), pp. 449-460.
DOI: 10.1007/s10950-020-09969-6

Velázquez-Bucio, M.M., Ferrario, M.F., Muccignato, E., Porfido, S., Sridharan, A., Chunga, K., Livio, F., Gopalan, S., Michetti, A.M.
Environmental effects caused by the Mw 8.2, September 8, 2017, and Mw 7.4, June 23, 2020, Chiapas-Oaxaca (Mexico) subduction events: Comparison of large intraslab and interface earthquakes (2021).
DOI: 10.1016/j.quaint.2021.11.028

Melgar, D., Ruiz-Angulo, A., Pérez-Campos, X., Crowell, B.W., Xu, X., Cabral-Cano, E., Brudzinski, M.R., Rodriguez-Abreu, L.
Energetic rupture and tsunamigenesis during the 2020 Mw 7.4 La Crucecita, Mexico Earthquake (2020) 92 (1), pp. 140-150.
DOI: 10.1785/0220200272

Salgado-Gálvez, M.A., Ordaz, M., Huerta, B., Singh, S.K., Pérez-Campos, X.
Simple rules for choosing fault planes in almost real-time post-earthquake loss assessments (2020) 104 (1), pp. 639-658.
DOI: 10.1007/s11069-020-04184-5

Campbell, K.W.
Proposed methodology for estimating the magnitude at which subduction megathrust ground motions and source dimensions exhibit a break in magnitude scaling: Example for 79 global subduction zones (2020) 36 (3), pp. 1271-1297.
DOI: 10.1177/8755293019899957

Carciumaru, D., Ortega, R., Castellanos, J.C., Huesca-Pérez, E.
Crustal characteristics in the subduction zone of Mexico: Implication of the tectonostratigraphic terranes on slab tearing (2020) 91 (3), pp. 1781-1793.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0->
DOI: 10.1785/0220190117

Hodgkinson, K.M., Mencin, D.J., Feaux, K., Sievers, C., Mattioli, G.S.
Evaluation of earthquake magnitude estimation and event detection thresholds for real-time GNSS networks: Examples from recent events captured by the network of the Americas (2020) 91 (3), pp. 1628-1645.
DOI: 10.1785/0220190269

Maubant, L., Pathier, E., Daout, S., Radiguet, M., Doin, M.-P., Kazachkina, E., Kostoglodov, V., Cotte, N., Walpersdorf, A.
Independent Component Analysis and Parametric Approach for Source Separation in InSAR Time Series at Regional Scale: Application to the 2017–2018 Slow Slip Event in Guerrero (Mexico) (2020) 125 (3), art. no. e2019JB018187, .
DOI: 10.1029/2019JB018187

Meng, L., Huang, H., Xie, Y., Bao, H., Dominguez, L.A.
Nucleation and Kinematic Rupture of the 2017 Mw 8.2 Tehuantepec Earthquake (2019) 46 (7), pp. 3745-3754.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0->
DOI: 10.1029/2018GL081074

Mirwald, A., Cruz-Atienza, V.M., Díaz-Mojica, J., Iglesias, A., Singh, S.K., Villafuerte, C., Tagø, J.
The 19 September 2017 (Mw7.1) Intermediate-Depth Mexican Earthquake: A Slow and Energetically Inefficient Deadly Shock (2019) 46 (4), pp. 2054-2064.
DOI: 10.1029/2018GL080904

Ortega, R., Carciumaru, D., Quintanar, L., Huesca-Pérez, E., Gutiérrez-Reyes, E.
A Study of Ground Motion Excitation Based on the Earthquake of September 8, 2017: Evidence that Normal Faults Influence the Stress Parameter (2019) .
DOI: 10.1007/s00024-019-02150-2

11. Ruiz-Barajas Sandra*, Miguel A. Santoyo, M. Belén Benito-Oterino, G. E. Alvarado & Alvaro Climent (2019). Stress transfer patterns and local seismicity related to reservoir water-level variations. A case study in central Costa Rica. Nature - Scientific Reports, 9, Article number: 5600. <https://doi.org/10.1038/s41598-019-41890-y> (Citas 7=7)

Smirnov, V.B., Potanina, M.G., Kartseva, T.I., Ponomarev, A.V., Patonin, A.V., Mikhailov, V.O., Sergeev, D.S.
Seasonal Variations in the b-Value of the Reservoir-Triggered Seismicity in the Koyna-Warna Region, Western India
(2022) 58 (3), pp. 364-378.
DOI: 10.1134/S1069351322030077

Gupta, H.K.
Artificial Water Reservoir-Triggered Seismicity (RTS): Most Prominent Anthropogenic Seismicity
(2022) 43 (2), pp. 619-659.
DOI: 10.1007/s10712-021-09675-z

Gupta, H.K.
Studies of Artificial Water Reservoir Triggered Earthquakes at Koyna, India: A Summary
(2021) 97 (12), pp. 1556-1564.
DOI: 10.1007/s12594-021-1913-x

Zhang, M., Ge, S., Yang, Q., Ma, X.
Impoundment-Associated Hydro-Mechanical Changes and Regional Seismicity Near the Xiluodu Reservoir, Southwestern China
(2021) 126 (9), art. no. e2020JB021590, .
<https://www.scopus.com/inward/record.uri?eid=2-s2.0->
DOI: 10.1029/2020JB021590

Büyükkapınar, P., Cesca, S., Hainzl, S., Jamalreyhani, M., Heimann, S., Dahm, T.
Reservoir-Triggered Earthquakes Around the Atatürk Dam (Southeastern Turkey)
(2021) 9, art. no. 663385, .
DOI: 10.3389/feart.2021.663385

Pytel, W., Fuławka, K., Mertuszka, P., Pałac-Walko, B.
Validation of rayleigh wave theoretical formulation with single-station rotational records of mine tremors in lower silesian copper basin
(2021) 21 (10), art. no. 3566, .
DOI: 10.3390/s21103566

Michas, G., Pavlou, K., Vallianatos, F., Drakatos, G.
Correlation Between Seismicity and Water Level Fluctuations in the Polyphyto Dam, North Greece
(2020) 177 (8), pp. 3851-3870.
DOI: 10.1007/s00024-020-02465-5

12. Santoyo, J., L.C. Mahmoud-Makki and Miguel A. Santoyo (2018). Interpretación del Poema Plástico de Mathías Goeritz (1953). Academia XXII, V. 9, 17, 65-95. DOI: <https://doi.org/10.22201/fa.2007252Xp.2018.17.64881>

13. Yazdi Pouye*, Miguel A. Santoyo and Jorge M. Gaspar-Escribano (2018). Analysis of the 2012 Ahar-Varzeghan (Iran) seismic sequence: Insights from statistical and stress transfer modeling. Global and Planetary Change, V. 161, 121–131. DOI: <https://doi.org/10.1016/j.gloplacha.2017.12.007>. (Citas 6=6)

Crespo Martín, C., Martín-González, F.

Statistical Analysis of Intraplate Seismic Clusters: The Case of the NW Iberian Peninsula
(2021) 178 (9), pp. 3355-3374.

DOI: 10.1007/s00024-021-02834-8

Saltanatpouri, A., Hartzell, S., Rahimi, H., Rouhollahi, R., Fard, R.A.

Slip distribution and rupture history of the August 11, 2012, double earthquakes in Ahar – Varzaghan, Iran, using joint inversion of teleseismic broadband and local strong motion data
(2021) 313, art. no. 106688, .

DOI: 10.1016/j.pepi.2021.106688

Davoudi, N., Tavakoli, H.R., Zare, M., Jalilian, A.

Aftershock probabilistic seismic hazard analysis for Bushehr province in Iran using ETAS model
(2020) 100 (3), pp. 1159-1170.

DOI: 10.1007/s11069-020-03854-8

Hou, H.-J., Wang, B., Deng, Q.-X., Zhu, Z.-W., Xiao, F.

Model Experimental Study on Stress Transfer and Redistribution in a Clay Landslide under Surcharge Load
(2020) 2020, art. no. 4269043, .

DOI: 10.1155/2020/4269043

Momeni, S.M., Aoudia, A., Tatar, M., Twardzik, C., Madariaga, R.

Kinematics of the 2012 Ahar–Varzaghan complex earthquake doublet (M w6.5 and M w6.3)
(2019) 217 (3), pp. 2097-2124.

DOI: 10.1093/gji/ggz100

Momeni, S.M., Tatar, M.

Mainshocks/aftershocks study of the August 2012 earthquake doublet on Ahar-Varzaghan complex fault system
(NW Iran)

(2018) 283, pp. 67-81.

DOI: 10.1016/j.pepi.2018.08.

- 14. García-Palomo A, J. L. Macías, A. Jiménez, G. Tolson, M. Mena, J. M. Sánchez-Núñez, J.L. Arce, P. W. Layer, M.A. Santoyo, J. Lermo-Samaniego (2018). NW-SE Pliocene-Quaternary extension in the Apan-Acocolco region, eastern Trans-Mexican Volcanic Belt, *Journal of Volcanology and Geothermal Research*, V. 349, 240-255. DOI: <https://doi.org/10.1016/j.jvolgeores.2017.11.005> (citas 14+11=25)**

Calcagno, P., Trumpy, E., Gutiérrez-Negrín, L.C., Liotta, D.

A collection of 3D geomodels of the Los Humeros and Acoculco geothermal systems (Mexico)
(2022) 9 (1), art. no. 280, .

DOI: 10.1038/s41597-022-01327-0

Vásquez Serrano, A., Arce Saldaña, J.L., Rangel Granados, E., Arroyo López, S.M., Morales Casique, E.

Late Miocene NE-SW strike-slip fault system of the Mexico basin, central Trans-Mexican Volcanic Belt: Origin, deformation, and reactivation
(2022) 116, art. no. 103847, .

DOI: 10.1016/j.jsames.2022.103847

Bolós, X., Del Ángel, V., Villanueva-Estrada, R.E., Sosa-Ceballos, G., Boijseauneau-López, M., Méndez, V., Macías, J.L.

Surface hydrothermal activity controlled by the active structural system in the self-sealing geothermal field of Acoculco (Mexico)

(2022) 101, art. no. 102372, .

DOI: 10.1016/j.geothermics.2022.102372

Suter, M.

The Historical Seismicity of the Puebla-Tlaxcala Region (Trans-Mexican Volcanic Belt) during Early Novohispanic Times (A.D. 1542–1740) and the Structure of the Tlaxcala-Huamantla Half-Graben
(2022) 93 (1), pp. 296–314.
DOI: 10.1785/0220210200

Cruz-Pérez, M.A., Canet, C., Pastrana, A., Domínguez-Peláez, S., Morelos-Rodríguez, L., Carcavilla, L., Salgado-Martínez, E., Krieger, P., García-Alonso, E.J., Martínez-Serrano, R.G., Franco, S.I., Castro-Romero, T.G., Núñez-Velázquez, M.V., Garcia-Vallès, M., Mora-Chaparro, J.C.
Green and Golden Obsidian of “Cerro de Las Navajas”, Hidalgo (Mexico): Geoarchaeological Heritage That Deserves International Recognition
(2021) 13 (4), art. no. 92,.
DOI: 10.1007/s12371-021-00610-7

Gómez-Alvarez, F., Garduño-Monroy, V.H., Sosa-Ceballos, G., Jiménez-Haro, A., Liotta, D., Gaitan-Ramirez, M.F., Brogi, A., Israde-Alcántara, I., Najera-Blas, S.M., Wheeler, W., Forster, M., Garcia-Hernández, O.H.
New constraints on tectonism and magmatism from the eastern sector of the Trans-Mexican Volcanic Belt (Chignahuapan Horst, Puebla, México)
(2021) 112, art. no. 103468,.
DOI: 10.1016/j.jsames.2021.103468

Santos-Raga, G., Santoyo, E., Guevara, M., Almirudis, E., Pérez-Zárate, D., Yáñez-Dávila, D.
Tracking geochemical signatures of rare earth and trace elements in spring waters and outcropping rocks from the hidden geothermal system of Acoculco, Puebla (Mexico)
(2021) 227, art. no. 106798,.
DOI: 10.1016/j.gexplo.2021.106798

Maestrelli, D., Bonini, M., Corti, G., Del Ventisette, C., Moratti, G., Montanari, D.
Exploring fault propagation and the role of inherited structures during caldera collapse through laboratory experiments
(2021) 414, art. no. 107232,.
DOI: 10.1016/j.jvolgeores.2021.107232

Coviello, V., Capra, L., Norini, G., Dávila, N., Ferrés, D., Márquez-Ramírez, V.H., Pico, E.
Earthquake-induced debris flows at Popocatépetl Volcano, Mexico
(2021) 9 (3), .
DOI: 10.5194/esurf-9-393-2021

Bonini, M., Maestrelli, D., Corti, G., Del Ventisette, C., Moratti, G., Carrasco-Núñez, G., Giordano, G., Lucci, F., Norini, G., Piccardi, L., Urbani, S., Montanari, D.
Modeling Intra-Caldera Resurgence Settings: Laboratory Experiments With Application to the Los Humeros Volcanic Complex (Mexico)
(2021) 126 (3), art. no. e2020JB020438,.
DOI: 10.1029/2020JB020438

Weydt, L.M., Ramírez-Guzmán, A.A., Pola, A., Lepillier, B., Kummerow, J., Mandrone, G., Comina, C., Deb, P., Norini, G., Gonzalez-Partida, E., Ramón Avellán, D., Macías, J.L., Bär, K., Sass, I.
Petrophysical and mechanical rock property database of the Los Humeros and Acoculco geothermal fields (Mexico)
(2021) 13 (2), pp. 571–598.
DOI: 10.5194/essd-13-571-2021

Pérez-Orozco, J.D., Sosa-Ceballos, G., Macías, J.L.
Tectonic and magmatic controls on the evolution of post-collapse volcanism. Insights from the Acoculco Caldera Complex, Puebla, México
(2021) 380–381, art. no. 105878,.
DOI: 10.1016/j.lithos.2020.105878

Kruszewski, M., Hofmann, H., Alvarez, F.G., Bianco, C., Haro, A.J., Garduño, V.H., Liotta, D., Trumpy, E., Brogi, A., Wheeler, W., Bastesen, E., Parisio, F., Saenger, E.H.
Integrated Stress Field Estimation and Implications for Enhanced Geothermal System Development in Acoculco, Mexico
(2021) 89, art. no. 101931, .

DOI: 10.1016/j.geothermics.2020.101931

Arce, J.L., Ferrari, L., Morales-Casique, E., Vasquez-Serrano, A., Arroyo, S.M., Layer, P.W., Benowitz, J., López-Martínez, M.

Early Miocene arc volcanism in the Mexico City Basin: Inception of the Trans-Mexican Volcanic Belt (2020) 408, art. no. 107104, .

DOI: 10.1016/j.jvolgeores.2020.107104

Maestrelli, D., Montanari, D., Corti, G., Del Ventisette, C., Moratti, G., Bonini, M.

Exploring the Interactions Between Rift Propagation and Inherited Crustal Fabrics Through Experimental Modeling (2020) 39 (12), art. no. e2020TC006211, .

DOI: 10.1029/2020TC006211

Pandarinath, K., García-Soto, A.Y., Santoyo, E., Guevara, M., Gonzalez-Partida, E.

Mineralogical and geochemical changes due to hydrothermal alteration of the volcanic rocks at Acoculco geothermal system, Mexico

(2020) 55 (9), pp. 6508-6526.

DOI: 10.1002/gj.3817

Avellán, D.R., Macías, J.L., Layer, P.W., Sosa-Ceballos, G., Gómez-Vasconcelos, M.G., Cisneros-Máximo, G., Sánchez-Núñez, J.M., Martí, J., García-Tenorio, F., López-Loera, H., Pola, A., Benowitz, J.

Eruptive chronology of the Acoculco caldera complex – A resurgent caldera in the eastern Trans-Mexican Volcanic Belt (México)

(2020) 98, art. no. 102412, .

DOI: 10.1016/j.jsames.2019.102412

Macías, J.L., Arce, J.L.

Volcanic activity in Mexico during the Holocene

(2019) pp. 129-170.

DOI: 10.1007/978-3-030-31719-5_8

Gutiérrez-Negrín, L.C.A., López-Hernández, A., Garduño-Monroy, V.H., Ramírez-Montes, M.A.

Main outcomes for Mexico at the half of the GEMex Project

(2019) 367 (1), art. no. 012012, .

DOI: 10.1088/1755-1315/367/1/012012

Cigna, F., Tapete, D., Garduño-Monroy, V.H., Muñiz-Jauregui, J.A., García-Hernández, O.H., Jiménez-Haro, A.

Wide-area InSAR survey of surface deformation in urban areas and geothermal fields in the eastern Trans-Mexican Volcanic Belt, Mexico

(2019) 11 (20), art. no. 2341, .

DOI: 10.3390/rs11202341

Arce, J.L., Layer, P.W., Macías, J.L., Morales-Casique, E., García-Palomo, A., Jiménez-Domínguez, F.J., Benowitz, J., Vásquez-Serrano, A.

Geology and stratigraphy of the Mexico Basin (Mexico City), central Trans-Mexican Volcanic Belt

(2019) 15 (2), pp. 320-332.

DOI: 10.1080/17445647.2019.1593251

Avellán, D.R., Macías, J.L., Layer, P.W., Cisneros, G., Sánchez-Núñez, J.M., Gómez-Vasconcelos, M.G., Pola, A., Sosa-Ceballos, G., García-Tenorio, F., Reyes Agustín, G., Osorio-Ocampo, S., García-Sánchez, L., Mendiola, I.F., Martí, J., López-Loera, H., Benowitz, J.

Geology of the late Pliocene–Pleistocene Acoculco caldera complex, eastern Trans-Mexican Volcanic Belt (México) (2019) 15 (2), pp. 8-18.

DOI: 10.1080/17445647.2018.1531075

Calcagno, P., Evanno, G., Trumpy, E., Carlos Gutiérrez-Negrín, L., Maclás, J.L., Carrasco-Núñez, G., Liotta, D.

Preliminary 3-D geological models of Los Humeros and Acoculco geothermal fields (Mexico)-H2020 GEMex Project

(2018) 45, pp. 321-333.

DOI: 10.5194/adgeo-45-321-2018

Sosa-Ceballos, G., Macías, J.L., Avellán, D.R., Salazar-Hermenegildo, N., Boisjeauneau-López, M.E., Pérez-Orozco, J.D.

The Acoculco Caldera Complex magmas: Genesis, evolution and relation with the Acoculco geothermal system
(2018) 358, pp. 288-306.

DOI: 10.1016/j.jvolgeores.2018.06.002

Bruhn, D., Jolie, E., Huenges, E.

European research efforts on engineered and superhot geothermal systems within horizon2020
(2018) 42, pp. 2381-2395.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059879566&partnerID=40&md5=a2608d69bd4906ea5e6e1178c570669e>

- 15. Castro-Artola, O. A., A. Iglesias, V. Kostoglodov, S. I. Franco-Sánchez, V. Hjörleifsdóttir, E. Cabral-Cano, M. A. Santoyo (2017). A Simplified Method to Invert Slow Slip Events: Examples for the 2002, 2006 and 2014 events in Guerrero, Mexico. Geofísica Internacional, V56-4: 377-389 (ISSN 0016-7169; SCI Impact Factor: 0.508)**