

Departamento de Física de la Materia Condensada

División Experimental

División Teoría

Publicaciones 2020

-L. Turi, J. Rodriguez y D. Laria

“Combined effects from Solvation and Nuclear Quantum Fluctuations on Autoionization Mechanisms in Aqueous Clusters”

Journal of Physical Chemistry B, 124, 2198 (2020)

-E. Mendez Y D. Laria

“Nuclear Quantum Effects Nuclear Quantum Effects on the Hydrogen Bond Donor-Acceptor Exchange in Water-Water and Water-Methanol Dimers”

-Journal of Chemical Physics, 153, 054302 (2020)

Synthesis, structure and reactivity of NO^+ , NO^\cdot and NO^- pincer PCN-Rh complexes.

Gallego, Cecilia Mariel; Gaviglio, Carina; Ben-David, Yehoshua; Milstein, David; Doctorovich, Fabio; Pellegrino, Juan. Dalton Trans., 2020,49, 7093-7108.

-Recent progress in homogeneous light-driven hydrogen evolution using first-row transition metal catalysts.

Agostina Mazzeo, Sol Santalla, Carina Gaviglio, Fabio Doctorovich, Juan Pellegrino.

Inorganica Chimica Acta, en prensa. <https://doi.org/10.1016/j.ica.2020.119950>

-“Key Role of Oxygen-Vacancy Electromigration in the Memristive Response of Ferroelectric Devices”

C. Ferreyra, M. Rengifo, M.J. Sánchez, A.S. Everhardt, B. Noheda, and D. Rubi

Phys. Rev. Appl. 14, 044045 (2020)

-“Large memcapacitance and memristance at Nb:SrTiO₃/La_{0.5}Sr_{0.5}Mn_{0.5}Co_{0.5}O_{3-δ} topotactic redox interface”

W. Román Acevedo, C. A. M. van den Bosch, M. H. Aguirre, C. Acha, A. Cavallaro, C. Ferreyra, M. J. Sánchez, L. Patrone, A. Aguadero, and D. Rubi

Appl. Phys. Lett. 116, 063502 (2020)

-“Selective activation of memristive interfaces in TaO_x-based devices by controlling oxygen vacancies dynamics at the nanoscale”

C. Ferreyra, M. J. Sánchez, M. Aguirre, C. Acha, S. Bengiό, J. Lecourt, U. Lüders and D. Rubi

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-“Novel phases at domain walls” (Capítulo de libro)

S. Farokhipoor, C. Magen, D. Rubi and B. Noheda

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-“Self-similar models: Relationship between the diffusion entropy analysis, detrended fluctuation analysis and levy models.”

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-“Long-Range correlations and characterization of financial and volcanic time series”.

Mariani, M.C., Asante, P.K., Masum Bhuiyan, M.A., ...Jaroszewicz, S., Tweneboah, O.K.

Mathematics, 2020, 8(3), 441

-Strain induced magnetic transition in CaMnO₃ ultrathin films.

A. Lopez Pedroso, M.A. Barral, M.E. Graf, A.M. Llois, M.H. Aguirre, L.B. Steren, S. Di Napoli,

Phys. Rev. B 102, 085432 (2020).

-Nanoscale structural characterization of manganite thin films integrated to silicon correlated with their magnetic and electric properties.

A. Carrero Lobo, A. Roman, M. H. Aguirre, L.B. Steren.

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-D. Loponte, F. Ottalagano, M. Pérez, L. Malec, C. P. Ramos, P. Bozzano, M. Iribarren, R. Pérez, G. Leiva, S. Domínguez, S. Alí, A. Acosta
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-A. E. Mejía Gómez, J. Sacanell, C. Huck-Iriart, C. P. Ramos, A. L. Soldati, S. J. A. Figueroa, M. H. Tabacniks, M. C.A. Fantini, A. F. Craievich, D. G. Lamas
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-High temperature transport properties of La_{0.5-x}Pr_xBa_{0.5}CoO_{3-d} perovskite (x=0, 0,2, 0,5).
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Armando A Aligia, Diego Pérez Daroca, Liliana Arrachea
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-“Exchange Couplings and Quantum Phases in Two Dissimilar Arrays of Similar Copper Dinuclear Units”.
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-“Synthesis & crystallographic, spectroscopic and computational characterization of O-R substituents effects on the intra-ring torsion angle of 3,3',4,4' substituted biphenyls”
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-Primeros estudios físicoquímicos de las pinturas rupestres de La María, provincia de Santa Cruz.

ARIEL D. FRANK; LUCAS GHECO; EMILIA HALAC; MATÍAS LANDINO; NOEMÍ MASTRANGELO; FERNANDO MARTE .

Intersecciones en Antropología. 2020 vol.21. p57 - 70. issn 1666-2105. eissn 1850-373X

-CHARACTERIZATION OF SURFACE DECORATIONS OVER ARCHAEOLOGICAL POTTERY FROM CATAMARCA (ARGENTINA).

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