

Departamento de Física de la Materia Condensada

División Experimental

División Teoría

Publicaciones 2022

Evaluation of the resistance of halide perovskite solar cells to high energy proton irradiation for space applications.
Walter O. Herrera Martínez, Natalia B. Correa Guerrero, Victoria A. Gomez Andrade, Martin Alurralde, y, M. Dolores Perez

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Form quantitation in desmotropic mixtures of albendazole bulk drug by chemometrics-assisted analysis of vibrational spectra.

Aldana B. Moroni, Daniel R. Vega, Teodoro S. Kaufman, Natalia L. Calvo

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Strong red Up-conversion emission in thin film devices based on rare-earth oxides obtained from templating 2D Coordination Networks.

Agustín A. Godoy, Germán E. Gomez, Carlos D. Miranda, Marcos Illescas, Beatriz C. Barja, Daniel Vega, María C. Bernini, and Griselda E. Narda

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Thiosemicarbazone derivatives: evaluation as cruzipain inhibitors and molecular modeling study of complexes with cruzain.

Gabriel Jasinski, Emir Salas-Sarduy, Daniel Vega, Lucas E. Fabian, María Florencia Martini, Albertina Moglioni
Bioorganic & Medicinal Chemistry, (2022)

Magnetocaloric effect in nanocrystalline manganite bilayer thin films: an improved approach to nanoscale applications.
Sebastian Passanante; Leticia Granja; Cecilia Albornoz; Daniel Vega; Dafne Goijman; Maria Cecilia Fuertes; Cristian Ferreyra; Luis Ghivelder; Francisco Parisi, Mariano Quintero

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Solid-State Characterization of Acetylpyridine Copper Complexes for the Activation Of H₂O₂ in Advanced Oxidation Processes.

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Numerical study of defects in protactinium carbide.

D. Perez Daroca, A.M. Llois y H.O. Mosca

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Trifunctional Catalysts for Overall Water Splitting and Oxygen Reduction Reaction derived from Co,Ni MOFs.

ANA KATHERINE DÍAZ-DURAN; GUIDO IADAROLA-PÉREZ; EMILIA B. HALAC; FEDERICO RONCAROLI,

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The Claromecó Chondrite: New Insights to its Mineralogical, Petrological and Structural Characterization.

FARAMARZ S. GARD; DANIEL VEGA; EMILIA B HALAC,

JOURNAL OF SOUTH AMERICAN EARTH SCIENCES. PERGAMONELSEVIER SCIENCE LTD. 2022 vol. n°. p - . issn 0895-9811

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M. Quintero, B. Sievers, J. Sacanell

Ceramics International Volume 48, Issue 9, 12752-12755 (2022)

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Covalent-Organic Frameworks for Fuel Cell Applications.

F. Roncaroli

book chapter in "Covalent Organic Frameworks: Chemistry, Properties, and Energy Applications for Sustainable Future", edited by: Tuan Anh Nguyen and Ram Gupta, CRC Press/Taylor & Francis. DOI: 10.1201/9781003206507-7. eBook ISBN 9781003206507. First Published 24 August 2022. Pub. Location: Boca Raton

Microwave assisted hydrothermal nanoarchitectonics of polyethyleneimine-coated iron oxide nanoparticles implications on the elaboration processes.

C. A. Albornoz, M. A. Paulin, A. A. Cristóbal, D. R. Vega, A. G. Leyva, C. P. Ramos

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Heat flow through a liquid-vapor interface in a nano-channel: the effect of end-grafting polymers on a wall.

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Juan Ignacio Diaz Schneider, Paula Cecilia Angelomé, Leticia Paula Granja, Cynthia Paula Quinteros, Pablo Eduardo Levy, and Eduardo David Martínez

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Magnetic warping in topological insulators.

Gabriele Naselli, Ali G. Moghaddam, Solange Di Napoli, Verónica Vildosola, Ion Cosma Fulga, Jeroen van den Brink and Jorge I. Facio

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Nickel-Doped Ceria Bifunctional Electrocatalysts for Oxygen Reduction and Evolution in Alkaline Media.

Jadranka Milić, Rodolfo O. Fuentes, Julia E. Tasca, Diogo M. F. Santos, Biljana Šljukic, Filipe M. L. Figueiredo

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Improvement on the electrochemical performance by morphology control of nanostructured La_{0.6}Sr_{0.4}CoO₃#d-Gd_{0.1}Ce_{0.9}O_{1.95} cathodes for IT-SOFC,

Leandro Marcelo Acuna, Marcelo Daniel Cabezas and Rodolfo Oscar Fuentes

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Journal of Molecular Structure, 1253, 132241 (2022)

Crystallographic and Computational Study of 4'-(Isoquinolin-5-yl)-2,2':6',2''- terpyridine and the Comparison with its Structural Isomer 4'-(Isoquinolin-4-yl)-2,2':6',2''- terpyridine.

Juan Granifo, Dominique Toledo, Sebastián Suárez, and Ricardo Baggio

Crystallography Reports (en prensa 2022)

Thione-Thiol tautomeric equilibrium in a dihydropyrimidine-thione: X ray diffraction helped by NMR, FTIR and theoretical calculations.

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Mechanical properties of ordered mesoporous oxides thin films.

D.F. Lionello, J.I. Ramallo, G.J.A.A. Soler-Illia, M.C. Fuertes

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J Sol-Gel Sci Technol 102, 185–196 (2022)

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Agostina Mazzeo, Carina Gaviglio, Juan Pellegrino, Fabio Doctorovich
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Ignacio Urrutia,
J. Stat. Phys. 187, 3, 29 (2022)

Scaling Detection in Extrachromosomal DNA.
S Jaroszewicz, MC Mariani, O. K. Tweneboah, MP Beccar-Varela
Fractals (2022)

Multipurpose nanocomposite resist for free-standing transparent conductive thin films.
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