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Coordinación de Planeación, Evaluación y
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OCTAVIO AUGUSTO NOVARO Y PEÑALOZA

Datos Generales

Nombre: OCTAVIO AUGUSTO NOVARO Y PEÑALOZA

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 54 años

Nombramientos

Último: INVESTIGADOR TITULAR C TC Definitivo
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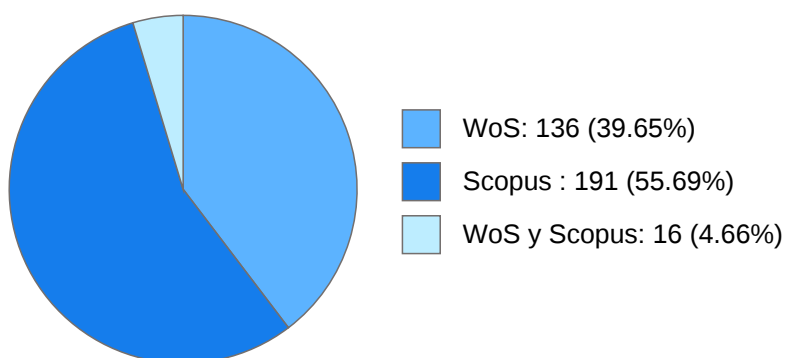
Estímulos, programas, premios y reconocimientos

SNI Emérito 2010 - 2019
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PRIDE D - 2018

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Release of copper complexes from a nanostructured sol-gel titania for cancer treatment	Tessy Lopez OCTAVIO AUGUSTO NOVARO Y PEÑALOZA OrtizIslas, Emma et al.	JOURNAL OF MATERIALS SCIENCE	2015
2	L-DOPA stabilization on sol-gel silica to be used as neurological nanoreservoirs: Structural and spectroscopic studies	Tessy Lopez OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Esquivel, Dulce et al.	MATERIALS LETTERS	2015
3	Physicochemical characterization of functionalized-nanostructured-titania as a carrier of copper complexes for cancer treatment	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Lopez, Tessy Ortiz, Emma et al.	MATERIALS CHEMISTRY AND PHYSICS	2014
4	Preparation and Characterization of Kynurenic Acid Occluded in Sol-Gel Silica and SBA-15 Silica as Release Reservoirs	Tessy Lopez OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ortiz, Emma et al.	JOURNAL OF NANOMATERIALS	2014
5	The first metals in Mendeleiev's table: Further arguments to place He above Ne and not above Be	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ramírez-Solís A.	FOUNDATIONS OF CHEMISTRY	2014
6	The first metals in Mendeleiev's Table: Part II. A new argument against the placement of hydrogen atop the alkali metal column	RAYMUNDO HERNANDEZ AGUILAR OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	FOUNDATIONS OF CHEMISTRY	2014

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7	Special Issue: In Honor of Professor Ilya Kaplan Introduction	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Klein, Douglas J. et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2012
8	Nonadditive effects on the stability of Be ₃ : A benchmark CASSCF plus averaged quadratic coupled cluster study of the equilateral and linear symmetrical configurations	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ramirez-Solis, Alejandro	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2012
9	Potential energy surfaces for reactions of X metal atoms (X = Cu, Zn, Cd, Ga, Al, Au, or Hg) with YH ₄ Molecules (Y = C, Si, or Ge) and transition probabilities at avoided crossings in some cases	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA MARIA DEL ALBA PACHECO BLAS Pacheco-Sánchez J.H.	Advances in Physical Chemistry	2012
10	Novel doorways and resonances in large-scale classical systems	J. A. Franco Villafane JORGE ANDRES FLORES VALDES JOSE LUIS MATEOS TRIGOS et al.	EPL	2011
11	Transition probabilities for the Au (S-2, D-2, and P-2) with SiH ₄ reaction	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Pacheco-Sanchez, J. H. Luna-Garcia, H. M. et al.	JOURNAL OF CHEMICAL PHYSICS	2010
12	Ni/Ce-MCM-41 mesostructured catalysts for simultaneous production of hydrogen and nanocarbon via methane decomposition	PEDRO SALAS CASTILLO OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Guevara, J. C. et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2010
13	Avoided crossings in metal (M)-gas (X) reactions (M = Hg, and X = SiH ₄ , GeH ₄)	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA MARIA DEL ALBA PACHECO BLAS Horacio Pacheco-Sanchez, Juan	THEORETICAL CHEMISTRY ACCOUNTS	2010
14	A theoretical approach to the photochemical activation of matrix isolated aluminum atoms and their reaction with methane	MARIA DEL ALBA PACHECO BLAS OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Pacheco-Sanchez, J. H.	JOURNAL OF CHEMICAL PHYSICS	2010
15	Symmetries of the periodic system	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	AIP Conference Proceedings	2010
16	Doorway states and billiards	JORGE ALBERTO MARQUEZ FLORES JOSE LUIS MATEOS TRIGOS RAFAEL ALBERTO MENDEZ SANCHEZ et al.	AIP Conference Proceedings	2010
17	Removal of dibenzothiophene in diesel oil by oxidation over a promoted activated carbon catalyst	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Zhou, X. L. Tan, Q. et al.	KINET CATAL+	2009

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18	Study of the Keggin structure and catalytic properties of Pt-promoted heteropoly compound/Al-MCM-41 hybrid catalysts	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Yang, X. K. Chen, L. F. et al.	CATALYSIS TODAY	2009
19	A comparative study of the synthesis approaches and catalytic behaviors of Pt/SO ₄ ²⁻ /ZrO ₂ -Al ₂ O ₃ catalysts for n-hexane hydroisomerization	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Yu, G. X. Zhou, X. L. et al.	CATALYSIS COMMUNICATIONS	2008
20	Surfactant-assisted synthesis of defective zirconia mesophases and Pd/ZrO ₂ : Crystalline structure and catalytic properties	DWIGHT ROBERTO ACOSTA NAJARRO X. Bokhimi OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	APPLIED SURFACE SCIENCE	2008
21	Transition probabilities found for M+CH ₄ reactions (M = zinc, copper)	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Horacio Pacheco-Sanchez, Juan	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2008
22	Mesoporous structure, surface acidity and catalytic properties of Pt/Zr-MCM-41 catalysts promoted with 12-tungstophosphoric acid	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Wang, J. A. Chen, L. F. et al.	MICROPOROUS AND MESOPOROUS MATERIALS	2008
23	On the role of calcination temperature in Pt-SO ₄ (2-)/ZrO ₂ -Al ₂ O ₃ preparation and catalytic behaviors during the n-hexane hydroisomerization	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Zhou, X. L. Yu, G. X. et al.	CATALYSIS LETTERS	2008
24	On the rightful place for He within the periodic table	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	FOUNDATIONS OF CHEMISTRY	2008
25	Transition probabilities on Ga (2P, 2S, and 2P) +C H ₄ reactions	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Pacheco-Sánchez J.H. Castillo S. et al.	JOURNAL OF CHEMICAL PHYSICS	2007
26	Landau-zener theory for avoided crossings applied to the gallium-silane reactions	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Pacheco-Sánchez J.H. Castillo S. et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2007
27	Bridge bond between potential energy surfaces and fuel cells on Pt-H ₂ interaction	IRINEO PEDRO ZARAGOZA RIVERA OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Pacheco J.H. et al.	REVISTA MEXICANA DE FISICA	2006
28	Hydrogen spillover and structural defects in a PdO/zirconia nanophase synthesized through a surfactant-templated route	J. GUADALUPE PEREZ RAMIREZ DWIGHT ROBERTO ACOSTA NAJARRO OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2006
29	Activity of closed d-shells in noble metal atoms	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	FOUNDATIONS OF CHEMISTRY	2005

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31	Characterization of structure and combustion behavior of the coke formed on a hydroisomerization catalyst	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Wang J.A. Chen L.F. et al.	STUD SURF SCI CATAL	2001
32	Quantitative determination of titanium lattice defects and solid-state reaction mechanism in iron-doped TiO ₂ photocatalysts	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA J. GUADALUPE PEREZ RAMIREZ Wang J.A. et al.	J PHYS CHEM B	2001
33	Intrinsically formed trivalent titanium ions in sol-gel titania	EDUARDO ADALBERTO MUÑOZ PICONE JOSE LUIS BOLDU OLAIZOLA EDUARDO ANDRADE IBARRA et al.	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	2001
34	Theoretical study of the CuRu+H ₂ molecular interaction	FERNANDO COLMENARES LANDIN OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ramírez-Solís A.	CHEMICAL PHYSICS LETTERS	2001
35	Quenching of excited IPI state atomic zinc by molecular nitrogen: A matrix-isolation spectroscopy/quantum chemical calculation study	FERNANDO COLMENARES LANDIN OCTAVIO AUGUSTO NOVARO Y PEÑALOZA McCaffrey J.G.	JOURNAL OF CHEMICAL PHYSICS	2001
36	The effect of hydrolysis initiator on the phase formation in sulfated sol-gel zirconia	J. GUADALUPE PEREZ RAMIREZ JORGE ANTONIO REYES MORALES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	Polyhedron	2000
37	Coke deactivation of Pd/H-mordenite catalysts used for C ₅ /C ₆ hydroisomerization	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA EDUARDO ADALBERTO MUÑOZ PICONE JOSE LUIS BOLDU OLAIZOLA et al.	APPLIED CATALYSIS A-GENERAL	2000
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40	Seismic Coupling of Interface Modes in Sedimentary Basins: A Recipe for Disaster	CINNA LOMNITZ ARONSFRAU JORGE ALBERTO MARQUEZ FLORES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	1999

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41	Spectroscopic studies of Sol-Gel Li/MgO catalysts	JOSE LUIS BOLDU OLAIZOLA EDUARDO ADALBERTO MUÑOZ PICONE J. GUADALUPE PEREZ RAMIREZ et al.	Langmuir	1999
42	Effects of structural defects and acid-basic properties on the activity and selectivity of isopropanol decomposition on nanocrystallite sol-gel alumina catalyst	J. GUADALUPE PEREZ RAMIREZ OCTAVIO AUGUSTO NOVARO Y PEÑALOZA JUAN MANUEL NAVARRETE TEJERO et al.	JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL	1999
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44	Nanocrystalline tetragonal zirconia stabilized with yttrium and hydroxyls	J. GUADALUPE PEREZ RAMIREZ JORGE ANTONIO REYES MORALES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	NANOSTRUCT MATER	1999
45	Spectroscopic characterization of sol-gel silica obtained by electron irradiation	JUAN MANUEL NAVARRETE TEJERO ESBAIDE ADEM CHAHIN JOSE LUIS BOLDU OLAIZOLA et al.	MATERIALS LETTERS	1999
46	Acidity of tungstophosphoric acid-zirconia catalysts prepared by the sol-gel method	J. GUADALUPE PEREZ RAMIREZ JORGE ANTONIO REYES MORALES JOSE LUIS BOLDU OLAIZOLA et al.	Langmuir	1999
47	Synthesis and characterization of TiO ₂ -MgO mixed oxides prepared by the sol-gel method	J. GUADALUPE PEREZ RAMIREZ JOSE LUIS BOLDU OLAIZOLA EDUARDO ADALBERTO MUÑOZ PICONE et al.	Langmuir	1999
48	Non-additive effects in small gold clusters	IGNACIO LUIS GARZON SOSA OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Bravo-Pérez G.	CHEMICAL PHYSICS LETTERS	1999
49	Effect of pH on the incorporation of platinum into the lattice of sol-gel titania phases	J. GUADALUPE PEREZ RAMIREZ OCTAVIO AUGUSTO NOVARO Y PEÑALOZA López T. et al.	MATERIALS LETTERS	1999
50	Ab initio study of small gold clusters	IGNACIO LUIS GARZON SOSA OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Bravo-Pérez G.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	1999
51	Free radical formation in ZrO ₂ -SiO ₂ sol-gel derived catalysts	JUAN MANUEL NAVARRETE TEJERO JOSE LUIS BOLDU OLAIZOLA EDUARDO ADALBERTO MUÑOZ PICONE et al.	JOURNAL OF CATALYSIS	1999
52	Cationic and anionic vacancies in the crystalline phases of Sol-Gel magnesia-alumina catalysts	JORGE ANTONIO REYES MORALES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Wang J.A. et al.	CHEMISTRY OF MATERIALS	1999

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54	Synthesis, characterization and catalytic activity in the reduction of NO by CO on alumina-zirconia sol-gel derived mixed oxides	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA ADOLFO ERNESTO CORDERO BORBOA Morán-Pineda M. et al.	APPLIED CATALYSIS B-ENVIRONMEN TAL	1999
55	Structure and composition of the nanocrystalline phases in a MgO-TiO ₂ system prepared via sol-gel technique	J. GUADALUPE PEREZ RAMIREZ JOSE LUIS BOLDU OLAIZOLA EDUARDO ADALBERTO MUÑOZ PICONE et al.	CHEMISTRY OF MATERIALS	1999
56	Aluminum local environment and defects in the crystalline structure of sol-gel alumina catalyst	JORGE ANTONIO REYES MORALES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Wang J.A. et al.	JOURNAL OF PHYSICAL CHEMISTRY B	1999
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58	Tetragonal nanophase stabilization in nondoped sol-gel zirconia prepared with different hydrolysis catalysts	J. GUADALUPE PEREZ RAMIREZ JORGE ANTONIO REYES MORALES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	JOURNAL OF SOLID STATE CHEMISTRY	1998
59	Improved stability of leukocytes in aged samples: Investigation of an alternative anticoagulant strategy in hematology for use with the Abbott Cell-Dyn CD 3500 hematology analyzer	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Paparo C. Tagini E. et al.	European Journal Of Laboratory Medicine	1998
60	Characterizations of the thermal decomposition of brucite prepared by sol-gel technique for synthesis of nanocrystalline MgO	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA J. GUADALUPE PEREZ RAMIREZ JUAN MANUEL NAVARRETE TEJERO et al.	MATERIALS LETTERS	1998
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62	Dehydroxylation and the Crystalline Phases in Sol-Gel Zirconia	J. GUADALUPE PEREZ RAMIREZ EDUARDO ADALBERTO MUÑOZ PICONE JOSE LUIS BOLDU OLAIZOLA et al.	JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY	1998
63	Nonadditive effects in small metal and polyatomic molecular clusters	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	POL J CHEM	1998
64	Effect of sulfating on the crystalline structure of sol-gel zirconia nanophases	JORGE ANTONIO REYES MORALES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA MARGARITA PORTILLA BAUZA et al.	Materials Research Society Symposium Proceedings	1997

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65	Structural defects and acidic and basic sites in sol-gel MgO	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA J. GUADALUPE PEREZ RAMIREZ JUAN MANUEL NAVARRETE TEJERO et al.	J PHYS CHEM B	1997
66	Preparation of a complete series of single phase homogeneous sol-gels of Al ₂ O ₃ and MgO for basic catalysts	SARA SOLIS VALDEZ OCTAVIO AUGUSTO NOVARO Y PEÑALOZA EDITH CATALINA LOPEZ HERNANDEZ et al.	MATERIALS LETTERS	1997
67	Comment on: 'Can horizontal P waves be trapped and resonate in a shallow sedimentary basin?' by F. J. Sánchez-Sesma and F. Luzón	JOSE LUIS MATEOS TRIGOS OCTAVIO AUGUSTO NOVARO Y PEÑALOZA THOMAS HENRY SELIGMAN SCHURCH et al.	GEOPHYSICAL JOURNAL INTERNATIONAL	1997
68	X-Ray Diffraction, FTIR, and NMR Characterization of Sol-Gel Alumina Doped with Lanthanum and Cerium	JORGE ANTONIO REYES MORALES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Vázquez A. et al.	JOURNAL OF SOLID STATE CHEMISTRY	1997
69	Zirconia/silica sol-gel catalysts: Effect of the surface heterogeneity on the selectivity of 2-propanol decomposition	DWIGHT ROBERTO ACOSTA NAJARRO OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Gomez R. et al.	Langmuir	1997
70	Ab initio model potential and molecular dynamics simulation of Ag ₆ clusters	IGNACIO LUIS GARZON SOSA ILYA KAPLAN SAVITSKY RUBEN SANTAMARIA ORTIZ et al.	Z PHYS D ATOM MOL CL	1997
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74	Magnesia synthesis via Sol-Gel: Structure and reactivity	JORGE ANTONIO REYES MORALES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Portillo R. et al.	Langmuir	1996
75	Many-body forces and electron correlation in small metal clusters	ILYA KAPLAN SAVITSKY JORGE HERNANDEZ COBOS IVAN ORTEGA BLAKE et al.	PHYSICAL REVIEW A	1996
76	Size effects and the role of nonadditive forces in neutral and anionic silver-cluster stability	ILYA KAPLAN SAVITSKY RUBEN SANTAMARIA ORTIZ OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	SURFACE REVIEW AND LETTERS	1996

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78	Crystalline structure and morphology of the phases in MgO, TiO ₂ and ZrO ₂ prepared by the sol-gel technique	EDUARDO ADALBERTO MUÑOZ PICONE OCTAVIO AUGUSTO NOVARO Y PEÑALOZA RAUL WAYNE GOMEZ Y GONZALEZ et al.	Materials Research Society Symposium Proceedings	1996
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80	Effect of hydrolysis catalyst on the Ti deficiency and crystallite size of sol-gel-TiO ₂ crystalline phases	JORGE ANTONIO REYES MORALES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA RAUL WAYNE GOMEZ Y GONZALEZ et al.	JOURNAL OF MATERIALS RESEARCH	1995
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84	Preparation of sol-gel sulfated ZrO ₂ {single bond}SiO ₂ and characterization of its surface acidity	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Lopez T. Navarrete J. et al.	APPLIED CATALYSIS A-GENERAL	1995
85	Nonadditive interactions and the relative stability of neutral and anionic silver clusters	ILYA KAPLAN SAVITSKY OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Santamaría, R.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1995
86	Crystalline phases of sol-gel zro2 in the zro2 - sio2 system: Differential thermal analysis and electron microscopy studies	DWIGHT ROBERTO ACOSTA NAJARRO OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Lpez, T. et al.	JOURNAL OF MATERIALS RESEARCH	1995
87	Erratum	RUBEN SANTAMARIA ORTIZ ILYA KAPLAN SAVITSKY OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1995

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88	On the test of different atomic exchange functionals	RUBEN SANTAMARIA ORTIZ ILYA KAPLAN SAVITSKY OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1995
89	A comparative theoretical study of stable geometries and energetic properties of small silver clusters	ILYA KAPLAN SAVITSKY OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Santamaria R.	CHEMICAL PHYSICS LETTERS	1994
90	Theoretical study of the activation of methane by photoexcited zinc atoms	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Castillo S. Ramírez-Solís A. et al.	MOLECULAR PHYSICS	1994
91	Li/MgO sol-gel catalysts	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA López T. Gómez R. et al.	Journal Of Molecular Catalysis	1994
92	Spectroscopic study of catalysts derived from Li/MgO sol-gel	EDUARDO ADALBERTO MUÑOZ PICONE JOSE LUIS BOLDU OLAIZOLA OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	MATERIALS LETTERS	1994
93	ZrO ₂ -SiO ₂ mixed oxides as supports for platinum catalysts	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Gomez R. Tzompantzi F. et al.	REACT KINET CATAL L	1994
94	Resonant response models for the Valley of Mexico - II. The trapping of horizontal P waves	JOSE LUIS MATEOS TRIGOS JORGE ALBERTO MARQUEZ FLORES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	GEOPHYSICAL JOURNAL INTERNATIONAL	1993
95	Generation of inhomogeneous P waves in a layered medium	JOSE LUIS MATEOS TRIGOS JORGE ALBERTO MARQUEZ FLORES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	Tectonophysics	1993
96	Sol-Gel Ru/SiO ₂ -Catalysts: Theoretical and Experimental Determination of the Ru-in-Silica Structures	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Lopez T. Gomez R. et al.	JOURNAL OF CATALYSIS	1993
97	Theoretical study of the geometric structures and energetic properties of anionic clusters. Ag n ⁻ (n = 2 to 6)	ILYA KAPLAN SAVITSKY RUBEN SANTAMARIA ORTIZ OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1993
98	Oxidative Coupling of Methane Over Sol-Gel Magnesium Oxide Catalysts: Effect on Selectivity to Olefin Formation	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Gomez R. Lopez T. et al.	STUD SURF SCI CATAL	1993
99	Theory and Experiment of Photoactivation of Catalytic Sites and Active Site-Support Interactions	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Garcia-Prieto J.	STUD SURF SCI CATAL	1993

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100	Importance of the excited states of transition metal atoms for catalytic and photocatalytic processes	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	1993
101	Ab initio studies on the Ziegler-Natta catalytic process	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1992
102	Theoretical study of the interaction of Ga, Ga ⁺ , and Ga ²⁺ with the hydrogen molecule	JOSE MANUEL MARTINEZ MAGADAN OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ramírez-Solís, A.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1992
103	Experimental and theoretical studies of tetraethoxysilane gelation doped with Mn (II)	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Lopez T. Sanchez E. et al.	MATERIALS CHEMISTRY AND PHYSICS	1992
104	Role of excited states of maximal d-shell occupancy in the Ru + H ₂ reaction	JOSE MANUEL MARTINEZ MAGADAN OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Colmenares-Landín F. et al.	CHEMICAL PHYSICS LETTERS	1992
105	Experimental and theoretical results on palladium-catalyzed hydrogenation reactions	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Gomez R.	REACT KINET CATAL L	1991
106	Potential energy surface for the Pd-H ₂ system: Comparison with matrix isolation experiments	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Jarque C.	THEOR CHIM ACTA	1991
107	A theoretical study of the photochemistry of methylcopper hydride: II. Formation and stability of the HCuCH ₃ intermediate complex	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Castillo, S. Poulain, E.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1991
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109	A CI pseudopotential-based description of the low-lying states of Ag O ₂	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Bravo, G. Flores-Riveros, A.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1990
110	Two-dimensional model for site-effect studies of microtremors in the San Fernando Valley	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA THOMAS HENRY SELIGMAN SCHURCH JOSE LUIS MATEOS TRIGOS et al.	Bulletin - Seismological Society Of America	1990
111	Nonadditivity and the stability of Ag ₃ . A multireference configuration interaction study	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ramírez-Solís A. Daudey J.P. et al.	Z PHYS D ATOM MOL CL	1990

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112	Nitrogen molecule activation by excited states of copper	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Sánchez-Zamora M. Ruíz M.E.	J PHYS CHEM-US	1990
113	Activation of the hydrogen bond by transition metals	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Poulain E. Colmenares F. et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	1990
114	Group theoretical aspects of the periodic table of the elements	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	1989
115	Resonant response models for the Valley of Mexico - I; the elastic inclusion approach	THOMAS HENRY SELIGMAN SCHURCH JOSE LUIS MATEOS TRIGOS JORGE ALBERTO MARQUEZ FLORES et al.	GEOPHYSICAL JOURNAL INTERNATIONAL	1989
116	A theoretical study of the photochemistry of methylcopper hydride. Activation of the carbon-hydrogen bond	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Castillo, S. Poulain, E.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1989
117	Generalized statistical approach to the study of interatomic interactions	RUBEN SANTAMARIA ORTIZ OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Berrondo, M. et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1989
118	Importance of non-additive effects on chemisorption and catalysis. Part II. Activation of hydrogen by copper in its ground and excited atomic states	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ruiz M.E. Garsia-Prieto J.	Journal Of Molecular Catalysis	1987
119	Possible resonance effect in the distribution of earthquake damage in Mexico City	JORGE ALBERTO MARQUEZ FLORES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA THOMAS HENRY SELIGMAN SCHURCH	Nature	1987
120	Variational and perturbational CI study of the Pd?C2H4 molecule	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Jarque C. Ruiz M.E.	MOLECULAR PHYSICS	1987
121	Stability of Cu3: A variational and perturbational configuration- interaction study	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ramírez-Solís A. Ruiz M.E.	PHYSICAL REVIEW B	1987
122	Earthquake damage [3]	JORGE ALBERTO MARQUEZ FLORES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA THOMAS HENRY SELIGMAN SCHURCH	Nature	1987
123	Erratum: Theoretical study on the CuH + Cu ? Cu + H2 reaction pathway (Journal of Physical Chemistry (1986) 90, (279))	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ruiz M.E. García-Prieto J. et al.	J PHYS CHEM-US	1986

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124	Molecular orbital study of metal dihydride complexes. SCF and CI studies of Li-, Cu-, Pd-, Ag- and Pt-H ₂ systems	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA García-Prieto J. Poulain E. et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	1986
125	Theoretical study on the CuH + H ? Cu + H ₂ reaction pathway	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ruiz M.E. García-Prieto J. et al.	J PHYS CHEM-US	1986
126	On the stability of the PdH ₂ molecule	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Jarque C. Ruiz M.E. et al.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	1986
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128	Theoretical study of the Li(2s12S) + H ₂ ? LiH ₂ reaction	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA García-Prieto J. Feng W.L.	CHEMICAL PHYSICS LETTERS	1985
129	Importance of nonadditive collective effects on chemisorption and catalysis. Part I. Interactions of lithium atom clusters with hydrogen	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ruiz M.E. García-Prieto J. et al.	Journal Of Molecular Catalysis	1985
130	Role of excited atomic states in the active sites of transition metals for oxidative and reductive catalytic processes	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA García-Prieto J. Ruiz M.E.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	1985
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132	Theoretical studies of the photexcited state Cu atom reactions. II. The Cu* + H ₂ ?CuH + H photochemical reaction	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA García-Prieto J. Ruiz M.E. et al.	JOURNAL OF CHEMICAL PHYSICS	1984
133	The role of nonadditive effects in the second hydration shell of Mg 2+ and Ca2+. A molecular orbital study of the three-body potential energy surface	IVAN ORTEGA BLAKE OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Hernandez J.	JOURNAL OF CHEMICAL PHYSICS	1984
134	Study of collective effects in the stability and chemisorption properties of finite lithium clusters	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA García-Prieto J. Feng W.L.	SURFACE SCIENCE	1984
135	A comparative study of three-body terms in ozone and thiozone	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Feng W.L. García-Prieto J.	CHEMICAL PHYSICS LETTERS	1984

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136	Multibody analysis of potential energy surfaces for first- and second-row tetramers. I. The tetrahedral structures of P4 and N4	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Castillo, S.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1984
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138	Theoretical study of three-body nonadditive interactions for the H2S-(H2O)2 system	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Les A. Galván M. et al.	THEOR CHIM ACTA	1983
139	Theoretical studies of photoexcited state Cu atom reactions. I. Excited state responsible for H2 capture	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ruíz M.E. García-Prieto J.	JOURNAL OF CHEMICAL PHYSICS	1983
140	Some comments on the stability of Cu3: Ab initio self-consistent-field molecular-orbital calculations	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Del Conde G. Bagus P.S.	PHYSICAL REVIEW B	1982
141	A comparative study of species N3 and P3	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Murrell J.N. Castillo S. et al.	CHEMICAL PHYSICS LETTERS	1982
142	Theoretical study on a reaction pathway for the catalytic hydrogenation of olefins by palladium complexes	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Daudey J.P. Jeung G.	MOLECULAR PHYSICS	1982
143	Diatomic molecule of copper. An all-electron ab initio self-consistent-field-configuration-interaction study of Cu2	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Del Conde G. Bagus P.S.	PHYSICAL REVIEW A	1982
144	A theoretical study of the elimination process of methane from a platinum complex	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Flores-Riveros A.	JOURNAL OF ORGANOMETALLIC CHEMISTRY	1982
145	Electronic structure of the {Pd C14}2- ion a comparison of non-empirical pseudopotential results versus semiempirical approaches	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ruíz M.E. Daudey J.P.	MOLECULAR PHYSICS	1982
146	UHF study of multibody effects in small lithium clusters and their relevance to atom-surface interactions	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Del Conde P. G. García-Prieto J.	MOLECULAR PHYSICS	1981
147	Three-body potential energy terms for methane trimers	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Castillo, S. Kolos, W. et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1981

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149	Theoretical study of hydrogen-bonded trimers. Three-body nonadditive interactions between ammonia molecules	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Cruz S. Castillo S. et al.	JOURNAL OF CHEMICAL PHYSICS	1981
150	The nature of the active-site of oxychlorination catalysts (cucl ₂ /al ₂ o ₃) through experimental studies	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Valle J. Vargas A. et al.	STUD SURF SCI CATAL	1981
151	On carbon monoxide insertion reactions: A molecular orbital analysis of the reaction pathway	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ruiz M.E. Flores-Riveros A.	JOURNAL OF CATALYSIS	1980
152	Pseudopotential SCF study of the palladium atom-ethylene system	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA García-Prieto J.	MOLECULAR PHYSICS	1980
153	Interaction of methane molecules	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Kolos, W. Raghino, G. et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1980
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155	On the chemisorption of molecular hydrogen on Be clusters	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA García-Prieto J.	JOURNAL OF CHEMICAL PHYSICS	1979
156	Use of pseudopotentials for the analysis of the non-additivity of short-range intermolecular interactions	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Daudey J.P. Berrondo M.	CHEMICAL PHYSICS LETTERS	1979
157	Ab initio SCF MO study of hydrogen bonds between H ₂ S and H ₂ O molecules	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA del Conde P. G.	THEOR CHIM ACTA	1979
158	Convergence of multibody expansions for alkaline earth metals. Contrast between magnesium and beryllium clusters	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Daudey J.P. Kotos W. et al.	JOURNAL OF CHEMICAL PHYSICS	1979
159	Non-additive interactions in liquid helium solvent effects	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Blaisten-Barojas E. Bruch L.W.	MOLECULAR PHYSICS	1979
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162	Determination of the mechanism of cyclohexane dehydrogenation over Pt- and PtPd-supported catalysts through theoretical and experimental studies	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Ruiz-Vizcaya M.E. Ferreira J.M. et al.	JOURNAL OF CATALYSIS	1978
163	A theoretical study of the homogeneous catalysis of the D ₂ -H ₂ O exchange by ruthenium chloride complexes	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Pineda J.	Journal Of Molecular Catalysis	1978
164	On the hydrogenation of olefins with tetrachloro palladate catalysts. A molecular orbital study of the reaction pathway	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Armstrong D.R. Ruiz-Vizcaya M.E. et al.	JOURNAL OF CATALYSIS	1977
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166	Nodal structure of the three-body nonadditive interaction	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Bruch L.W. Flores A.	JOURNAL OF CHEMICAL PHYSICS	1977
167	Nonadditive effects in small beryllium clusters	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Kolos W.	JOURNAL OF CHEMICAL PHYSICS	1977
168	Role of three-body interactions in trimer binding	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Bruch L.W. Blaisten-Barojas E.	JOURNAL OF CHEMICAL PHYSICS	1977
169	The Ne ₃ nonadditive potential energy surface	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Nieves F.	JOURNAL OF CHEMICAL PHYSICS	1976
170	Mechanism of oligomerization of α-olefins with Ziegler-Natta catalysts	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Chow S. Magnouat P.	JOURNAL OF CATALYSIS	1976
171	On the structure of titanium-aluminum catalytic complexes	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Chow S. Magnouat P.	JOURNAL OF CATALYSIS	1976
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173	The importance of non-additive terms in the interaction energy of tetrahedral Be ₄ clusters	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Kolos W. Nieves F.	CHEMICAL PHYSICS LETTERS	1976
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176	Short range non-additive effects in the neon trimer	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Yáñez F.	CHEMICAL PHYSICS LETTERS	1975
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179	On a geometrical realization of the Aufbau scheme	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Berrondo M.	Journal Of Physics B: Atomic And Molecular Physics	1973
180	Comment on the group theoretical justification of the aufbau scheme	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1973
181	Study of intermediate species involved in the formation of acrylonitrile-II. Charge and spin-polarizations and their relation to chemical structure and activity	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA del Conde G.	Tetrahedron	1972
182	Test of the many-electron theory of atoms in an exactly solvable model	ALIPIO GUSTAVO CALLES MARTINEZ MARCOS MOSHINSKY BORODINASKY OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	PHYSICS LETTERS A	1972
183	On the convergence of multibody expansions for short range intermolecular forces. A SCF Calculation of He3 and He4 Systems	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Beltran-Lopez V.	JOURNAL OF CHEMICAL PHYSICS	1972
184	Approximate symmetry of the periodic table	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Berrondo M.	Journal Of Physics B: Atomic And Molecular Physics	1972
185	Study of intermediate species involved in the formation of acrylonitrile-I. Energies and atomic populations in the CNDO/2 approximation	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Del Conde G.	Tetrahedron	1972

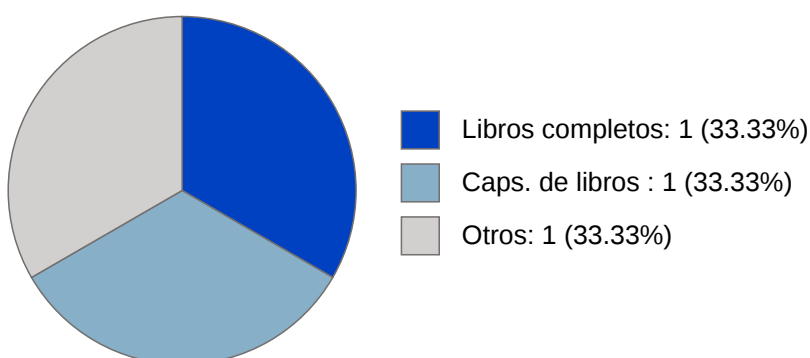
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186	Separation and evaluation of first-order-perturbation intermolecular energy-terms in LCAO MO SCF calculations. Application to the He2 system	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Beltrán-López V. Javier Flores M.	CHEMICAL PHYSICS LETTERS	1971
187	O(4) and U(3) symmetry breaking in the 2s-2p shell	MARCOS MOSHINSKY BORODINASKY OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Chacon E. et al.	PHYSICAL REVIEW A	1971
188	Non-additivity of intermolecular forces in He3 within the SCF LCAO MO approximation	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA Bader R.F.W. Beltrán-López V.	CHEMICAL PHYSICS LETTERS	1971
189	O(4) and u(3) symmetry breaking in the second row of the periodic table	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA ARTURO FREYRE RODRIGUEZ	MOLECULAR PHYSICS	1971
190	Validity of O(4) symmetry in 2nd row atoms	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	PHYSICS LETTERS A	1970
191	Harmonie oscillator in atomic and molecular physics	MARCOS MOSHINSKY BORODINASKY OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	JOURNAL OF CHEMICAL PHYSICS	1968

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Grandes proyectos científicos: Sincrotrón	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA FERNANDO MATIAS MORENO YNTRIAGO	Libro Completo	2017	9786077242260
2	Structural insights into G-protein-coupled receptors (GPCRs)	FERNANDO MATIAS MORENO YNTRIAGO OCTAVIO AUGUSTO NOVARO Y PEÑALOZA	Capítulo de un Libro	2017	9786077242260
3	Cu/TiO ₂ -SiO ₂ nanostructured materials for brain cancer treatment	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA López T. Ortiz-Islas E. et al.	Conferencia y Paper	2014	9781482258271



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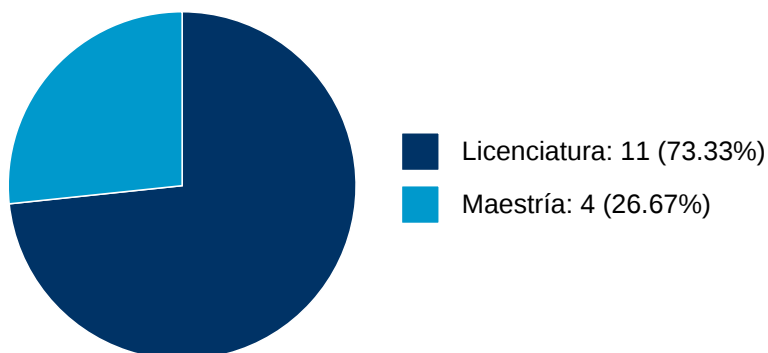
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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2014-1
2	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	1	2013-2
3	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	15	2013-1
4	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	16	2012-2
5	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	41	2012-1
6	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	23	2011-2
7	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	28	2011-1
8	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2011-1
9	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	1	2010-2
10	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	12	2010-2
11	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	30	2010-1
12	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	11	2009-2
13	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	33	2009-1
14	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	17	2008-2
15	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	32	2008-1



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PATENTES

No se encuentran registros en la base de datos de patentes asociados a:

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2025
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024