



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS

Datos Generales

Nombre: JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 43 años

Nombramientos

Último: INVESTIGADOR TITULAR B TC Definitivo
Instituto de Física
Desde 16-02-2014 hasta 31-12-2022

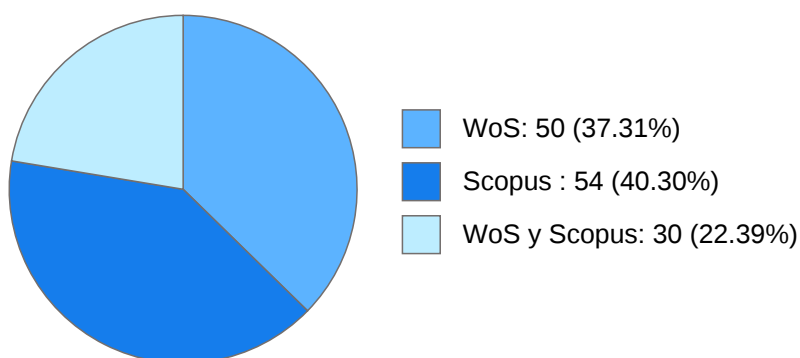
Estímulos, programas, premios y reconocimientos

SNI II - 2023
PRIDE B - 2022

JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Symmetry of Identical Particles, Modern Achievements in the Pauli Exclusion Principle, in Superconductivity and in Some Other Phenomena	ALBERTO LOPEZ VIVAS JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS ULISES MIRANDA ORDOÑEZ et al.	Symmetry-Bas el	2023
2	Revisiting particle dynamics in the NPT ensemble under the extended Lagrangian approach	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Ruben Santamaria	MOLECULAR SIMULATION	2023
3	The Electron Bubble and the He 60 Fullerene: A First-Principles Approach	RUBEN SANTAMARIA ORTIZ JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS RUBEN GERARDO BARRERA Y PEREZ	JOURNAL OF LOW TEMPERATURE PHYSICS	2019
4	Fe-family of superconductors: Influence of Ni dopant on the superconductivity in BaFe2As2 crystal and the relaxation volume	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS ILYA KAPLAN SAVITSKY	Mrs Advances	2019
5	Electronic structure study of new family of high-T-c Fe-superconductors based on BaFe2As2 in presence of dopants Rh and Pd.	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS ILYA KAPLAN SAVITSKY Ronald Columbie-Leyva	Mrs Advances	2019
6	Dehydration of a gypsum mineral induced by shock compression: A micro-Raman analysis	LAURO BUCIO GALINDO CLAUDE THIONS CHAUDY JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS et al.	REVISTA MEXICANA DE FISICA	2016

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7	Comparative Study of the Magnetic Structure of BaFe ₂ As ₂ Doped with Co or Ni	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS ILYA KAPLAN SAVITSKY	JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM	2016
8	Comparative study of pure and Co-doped BaFe ₂ As ₂	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS ILYA KAPLAN SAVITSKY PerezEnriquez, Raul	PHYSICAL REVIEW B	2015
9	Phase transitions induced by shock compression on a gypsum mineral: X-ray and micro-Raman analysis	LAURO BUCIO GALINDO IVONNE ROSALES CHAVEZ CLAUDE THIONS CHAUDY et al.	HIGH PRESSURE RESEARCH	2015
10	Evolution of the vibrational spectra of doped hydrogen clusters with pressure	RUBEN SANTAMARIA ORTIZ JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Xim Bokhimi et al.	JOURNAL OF CHEMICAL PHYSICS	2014
11	Pressure-induced metallization of Li ⁺ -doped hydrogen clusters	RUBEN SANTAMARIA ORTIZ Xim Bokhimi JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS et al.	JOURNAL OF PHYSICAL CHEMISTRY A	2013
12	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
13	Thermodynamic States of Nanoclusters at Low Pressure and Low Temperature: The Case of 13 H-2	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS RUBEN SANTAMARIA ORTIZ DENIS PIERRE BOYER	JOURNAL OF PHYSICAL CHEMISTRY A	2011
14	Thermal behavior of a 13-molecule hydrogen cluster under pressure	RUBEN SANTAMARIA ORTIZ JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Jellinek, Julius	JOURNAL OF CHEMICAL PHYSICS	2010
15	Pressure and size effects in endohedrally confined hydrogen clusters	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS RUBEN SANTAMARIA ORTIZ Jellinek, Julius	JOURNAL OF CHEMICAL PHYSICS	2008
16	Influence of the electron correlation on the electronic structure of pure and Ti-doped Sr ₂ RuO ₄ superconductor	ILYA KAPLAN SAVITSKY JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS	PHYSICA B-CONDENSED MATTER	2008
17	Comparative study of the electronic structure of pure and Ti-doped Sr ₂ RuO ₄ superconductor	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS ILYA KAPLAN SAVITSKY	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	2007
18	Electronic structure of the pure and Ti-doped Sr ₂ RuO ₄ superconductor obtained by the embedded cluster method	ILYA KAPLAN SAVITSKY JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS	PHYSICAL REVIEW B	2007

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19	Pressure dependence of the mean excitation energy of atomic systems	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Cruz S.A. Díaz-García C. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2005
20	The atomization process of endohedrally confined hydrogen molecules	RUBEN SANTAMARIA ORTIZ JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS	CHEMICAL PHYSICS LETTERS	2005
21	Pressure effects on stopping power of solids for channeled ions	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Pathak A.P. Cruz S.A.	RADIATION EFFECTS AND DEFECTS IN SOLIDS	2005
22	From the Orbital Implementation of the Kinetic Theory to the Polarization Propagator Method in the Study of Energy Deposition Problems	REMIGIO CABRERA TRUJILLO JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Cruz S.A.	Advances in Quantum Chemistry	2005
23	Advances in the Core-and-Bond Formalism for Proton Stopping in Molecular Targets	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Cruz S.A.	Advances in Quantum Chemistry	2004
24	Endohedral confinement of molecular hydrogen	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS RUBEN SANTAMARIA ORTIZ Cruz S.A.	CHEMICAL PHYSICS LETTERS	2004
25	Pressure effects on the electronic and structural properties of molecules	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Cruz S.A.	CHEMICAL PHYSICS LETTERS	2004
26	Effect of Zn and Ni substitution on the local electronic structure of the YBa ₂ Cu ₃ O ₇ superconductor	ILYA KAPLAN SAVITSKY JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS JORGE HERNANDEZ COBOS	PHYSICAL REVIEW B	2002
27	Calculation of molecular integrals for systems confined by hard spherical walls: Use of the single-center expansion of floating spherical gaussians	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Cruz S.A.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2001
28	Calculation of Zn-doped Y ceramics by the electron-correlated embedded-cluster method	ILYA KAPLAN SAVITSKY JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2000

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29	Study of the electronic structure of Zn-doped Y123 ceramics	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS ILYA KAPLAN SAVITSKY	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	2000
30	Electronic structure of YBa ₂ Cu ₃ O ₇ ceramics at the MP2 electron correlation level	ILYA KAPLAN SAVITSKY JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS JORGE HERNANDEZ COBOS et al.	JOURNAL OF PHYSICS-CONDENSED MATTER	1999
31	Proton stopping in dense molecular hydrogen: A molecular-confinement model	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Cruz S.A. Gamaly E.G.	PHYSICAL REVIEW A	1999
32	Vacancy clustering in manganese oxide	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	1995
33	Bond stopping cross sections for protons incident on molecular targets within the OLPA/FSGO implementation of the kinetic theory	REMIGIO CABRERA TRUJILLO JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Cruz S.A.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1994
34	Firsov approach to chemical bond effects on the low-energy electronic stopping power of heavy ions	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS REMIGIO CABRERA TRUJILLO Cruz S.A.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1993

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35	Chemical bond effects on the low-energy electronic stopping power of Li and He ions on saturated alcohols, ethers and amines	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS REMIGIO CABRERA TRUJILLO Cruz S.A.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1993
36	Chemical bond effects on the low-energy electronic stopping power of protons: use of molecular fragments	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Cruz S.A.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1992
37	Chemical bond effects on the low energy electronic stopping power: theory	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Cruz S.A.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1991
38	The interaction force between the tetragonal defects and edge dislocations in the rock salt structure	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS	PHILOS MAG A	1991
39	Atomistic calculations of point-defect interactions with an edge dislocation in NiO	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Rabier J. Puls M.P. et al.	PHILOS MAG A	1990
40	Effect of antimony on the creep fracture of stainless steel	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Martinez L. Schneibel J.H.	Metallurgical Transactions A	1988
41	Plastic deformation of ionic crystals: Statistical analysis of yield stress measurements	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS JORGE ANTONIO MONTEMAYOR ALDRETE Mendoza A A. et al.	JAPANESE JOURNAL OF APPLIED PHYSICS	1987

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42	Hardening of Eu-doped KBr single crystals	ELIGIO ALBERTO OROZCO MENDOZA JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Agulló-López F.	PHILOS MAG A	1987
43	The creation rate of mobile dislocation density in a creep experiment	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Montemayor-Aldrete J.A. Gómez-Ramírez R. et al.	SCRIPTA METALL MATER	1986
44	Experimental study of the evolution of a cavity radius distribution during creep	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Martinez L. Oseguera J.	SCRIPTA METALL MATER	1985
45	High voltage electron microscope observations of UO ₂	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS	J NUCL MATER	1985
46	Eu ²⁺ as an optical probe to analyse the influence of Sr-second phase precipitates on the hardening behavior of NaCl	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Carrillo E. Solé J.G. et al.	JAPANESE JOURNAL OF APPLIED PHYSICS	1983
47	Temperature dependence of hardening by tetragonal distortions: Divalent impurity doped ionic crystals	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Veyssiere P.	ACTA METALL MATER	1983
48	Changes in yield stress of NaCl: Pb ²⁺ crystals during dissolution and precipitation of solid solutions	ELIGIO ALBERTO OROZCO MENDOZA JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Mendoza A.A. et al.	JAPANESE JOURNAL OF APPLIED PHYSICS	1982
49	Deformation plastique du bioxyde d'uranium: Observation des sous-structures de dislocations	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Alamo A. Lefebvre J.M.	J NUCL MATER	1978
50	Mise en evidence de boucles de dislocation imparfaites dans des échantillons de bioxyde d'uranium irradiés	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS	J NUCL MATER	1978
51	Study of deceleration of ions in a diatomic target. II. Calculation of the number of displaced atoms [ETUDE DU RALENTISSEMENT DES IONS DANS UNE CIBLE DIATOMIQUE. II. CALCUL DU NOMBRE D'ATOMES DEPLACES]	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Alamo A.	Radiation Effects	1978
52	Calcul d'énergie de fautes d'empilement dans le dioxyde d'uranium	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Lefebvre J.-M. Gaboriaud R.-J. et al.	J NUCL MATER	1976
53	Calcul du profil d'endommagement par une source isotrope de fragments de fission: Application aux gaines d'acier inoxydable du combustible UO ₂	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Leteurtre J. Pouchou J.L. et al.	J NUCL MATER	1974
54	IRRADIATION EFFECTS IN AMORPHOUS ZrO ₂	JACQUES ANDRE CLAUDE SOULLARD SAINTRAIS Leteurtre J.	Radiation Effects	1973



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PARTICIPACIÓN EN PROYECTOS

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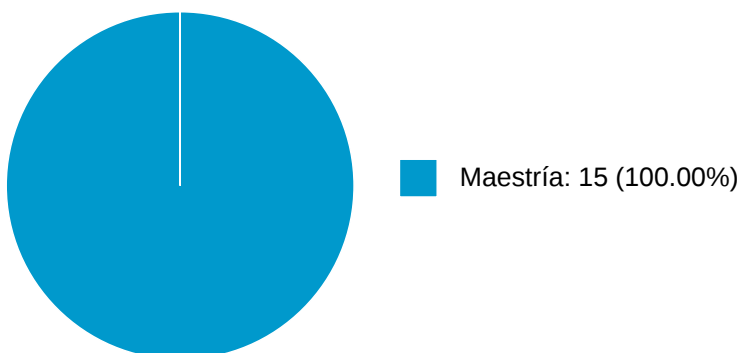
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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	1	2018-1
2	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	2	2016-2
3	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	26	2015-2
4	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	3	2014-2
5	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	2	2014-1
6	Maestría	TEORIA DE GRUPOS	Instituto de Investigaciones en Materiales	1	2013-1
7	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	8	2012-2
8	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	2	2012-1
9	Maestría	TEORIA DE GRUPOS	Instituto de Investigaciones en Materiales	1	2011-2
10	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	4	2011-1
11	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	3	2010-1
12	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	3	2010-1
13	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	9	2009-2
14	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	4	2009-1
15	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	1	2008-2



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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