



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



PABLO SAMUEL SCHABES RETCHKIMAN

Datos Generales

Nombre: PABLO SAMUEL SCHABES RETCHKIMAN

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 31-12-2021
PROFESOR ASIGNATURA A TP No Definitivo
Facultad de Ciencias
Desde 01-08-2021 hasta 31-12-2021

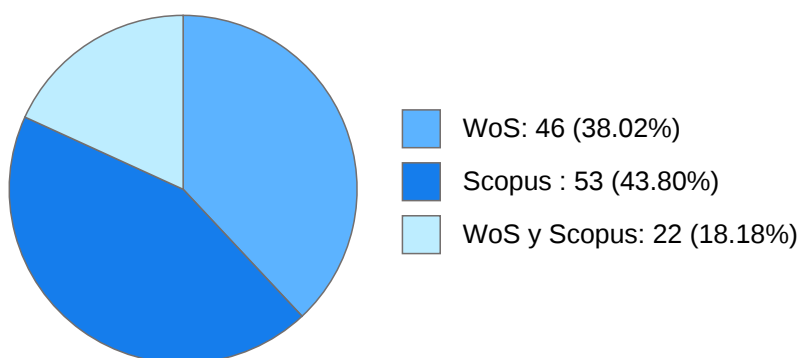
Estímulos, programas, premios y reconocimientos

SNI II - 2023
PRIDE B - 2021
PRIDE A 2008

PABLO SAMUEL SCHABES RETCHKIMAN

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Photocatalytic and Bactericidal Proposal for the Removal of Two Types of Model Pollutants Using Fe Nanoparticles Phytosynthesized with Eichhornia crassipes	PABLO SAMUEL SCHABES RETCHKIMAN Velázquez-Hernández A.M. Martínez-Gallegos S. et al.	WATER AIR AND SOIL POLLUTION	2024
2	CUDA code to generate computational models and predict mechanical properties for metallic surface nanocoatings	PABLO SAMUEL SCHABES RETCHKIMAN Bedolla-Hernández M. Sánchez-Ruiz F.J. et al.	Software Impacts	2024
3	Microbicide and photocatalytic effects of Zn nanoparticles obtained by the phytosynthesis method	PABLO SAMUEL SCHABES RETCHKIMAN Velázquez-Hernández A.M. Martínez-Gallegos S. et al.	Mrs Advances	2023
4	Marketing strategies for waste recycling: a bibliometric analysis towards the circular economy	PABLO SAMUEL SCHABES RETCHKIMAN Aguilar-Morales S.Y. Negrete-Cardoso M. et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2023
5	Source code and simulation data for the prediction of the electrodeposition mechanism of nanostructured metallic coatings	PABLO SAMUEL SCHABES RETCHKIMAN Rosano-Ortega G. Bedolla-Hernández M. et al.	Data in Brief	2023

PABLO SAMUEL SCHABES RETCHKIMAN

6	Artificial intelligence-based model for physical-mechanical surface properties of nanostructured coatings	PABLO SAMUEL SCHABES RETKHKIMAN Sánchez-Ruiz F.J. Bedolla-Hernández M. et al.	Results In Materials	2023
7	Electrodeposition mechanism of chromium nanoparticle coatings: Modeling and experimental validation	PABLO SAMUEL SCHABES RETKHKIMAN Bedolla-Hernández M. Rosano-Ortega G. et al.	CHEMICAL ENGINEERING SCIENCE	2022
8	Phytosynthesis of TiO ₂ Nanoparticles Using E. crassipes Leaf Extracts, Their Photocatalytic Evaluation and Microbicide Effect	PABLO SAMUEL SCHABES RETKHKIMAN Velázquez-Hernández A.M. García-Rivas J.L. et al.	INTERNATIONAL JOURNAL OF PHOTOENERGY	2022
9	Degradation of allura red dye using Fe-Zn metal nanoparticles obtained by phytosynthesis method.	PABLO SAMUEL SCHABES RETKHKIMAN Jose Angel Sanjurjo-Garcia Sonia Martinez-Gallegos et al.	Mrs Advances	2020
10	Titanium nanoparticles phytosynthesized from Eichhornia crassipes leaf extract and their antimicrobial activity.	PABLO SAMUEL SCHABES RETKHKIMAN Monserrat Velazquez-Hernandez Sonia Martinez-Gallegos et al.	Mrs Advances	2020
11	Influence of the metal concentration on the phytosynthesis of nanoparticles of Iron and Zinc	PABLO SAMUEL SCHABES RETKHKIMAN Jose Angel Sanjurjo-Garcia Ma Guadalupe Macedo et al.	Mrs Advances	2019
12	Ag, Zn and Cu nanoparticles synthesized from Eichhornia crassipes leaf extracts and their application in phenol photocatalytic degradation.	PABLO SAMUEL SCHABES RETKHKIMAN Monserrat Velazquez-Hernandez Javier Illescas et al.	Mrs Advances	2019
13	Nanotoxicity for E. coli and characterization of silver quantum dots produced by biosynthesis with eichhornia crassipes	PABLO SAMUEL SCHABES RETKHKIMAN VERONICA ALBITER HERNANDEZ Silva, Angelica et al.	Journal Of Nanostructures	2017
14	Electron Microscopy Characterization of Crystalline Nanostructures Present in Asphaltene	JESUS ANGEL ARENAS ALATORRE PABLO SAMUEL SCHABES RETKHKIMAN VENTURA RODRIGUEZ LUGO	ENERGY & FUELS	2016
15	Solubility Enhancement of a Poorly Water Soluble Drug by Forming Solid Dispersions using Mechanochemical Activation	RICARDO JORGE CARDENAS PEREZ PABLO SAMUEL SCHABES RETKHKIMAN Rojas-Oviedo, I. et al.	INDIAN JOURNAL OF PHARMACEUTIC AL SCIENCES	2012
16	Induced amorphization in pyrographite by radiation using high voltage transmission electron microscope	PABLO SAMUEL SCHABES RETKHKIMAN Meza P.A.T. Luis A.F.H. et al.	Advanced Materials Research	2011

PABLO SAMUEL SCHABES RETCHKIMAN

17	Stress state localized analysis on the tip of the crack	PABLO SAMUEL SCHABES RETKHKIMAN Meza P.A.T. Noguez A.L. et al.	Key Engineering Materials	2010
18	The effect of crystal geometry on the formation and crack development in molybdenum single crystals	PABLO SAMUEL SCHABES RETKHKIMAN Tamayo-Meza, Pedro A. Yermishkin, Viacheslav	JOURNAL OF APPLIED PHYSICS	2010
19	Small Bimetallic (Pt/Pd) Particles by Biosynthesis: Transmission Electron Microscopy and Quantum Mechanical Analysis	RAUL HERRERA BECERRA MARIA CRISTINA ZORRILLA CANGAS PABLO SAMUEL SCHABES RETCHKIMAN et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2009
20	Deformation behavior of molybdenum single crystals as obtained from quasirelaxation in situ experiments in a high voltage TEM	PABLO SAMUEL SCHABES RETKHKIMAN Meza P.T. Yermishkin V.	Revista Latinoamericana de Metalurgia y Materiales	2009
21	Structural studies on vacuum evaporated ZnSe/p-Si Schottky diodes	VELUMANI SUBRAMANIAM PABLO SAMUEL SCHABES RETCHKIMAN JORGE ANTONIO ASCENCIO GUTIERREZ et al.	MATERIALS CHEMISTRY AND PHYSICS	2007
22	Spectroscopic ellipsometry (SE) studies on vacuum-evaporated ZnSe thin films	VELUMANI SUBRAMANIAM PABLO SAMUEL SCHABES RETCHKIMAN Venkatachalam S. et al.	MATERIALS CHARACTERIZATION	2007
23	Controlled synthesis of ZnO nanoparticles by bioreduction	PABLO SAMUEL SCHABES RETKHKIMAN Canizal G. Pal U. et al.	MATERIALS CHEMISTRY AND PHYSICS	2006
24	Synthesis and characterization of Mn quantum dots by bioreduction with water hyacinth	PABLO SAMUEL SCHABES RETKHKIMAN MARIA CRISTINA ZORRILLA CANGAS JORGE ANTONIO ASCENCIO GUTIERREZ et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2006
25	Structural selection and amorphization of small Ni Ti bimetallic clusters	PABLO SAMUEL SCHABES RETKHKIMAN JORGE ANTONIO ASCENCIO GUTIERREZ Liu H.B. et al.	JOURNAL OF PHYSICAL CHEMISTRY B	2006
26	Biosynthesis and characterization of Ti/Ni bimetallic nanoparticles	PABLO SAMUEL SCHABES RETKHKIMAN RAUL HERRERA BECERRA MARIA CRISTINA ZORRILLA CANGAS et al.	OPTICAL MATERIALS	2006
27	Synthesis and characterisation of YSZ-Al ₂ O ₃ nanostructured materials	PABLO SAMUEL SCHABES RETKHKIMAN JORGE ANTONIO ASCENCIO GUTIERREZ JOSE ALVARO CHAVEZ CARVAYAR et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2006

PABLO SAMUEL SCHABES RETCHKIMAN

28	Structural characterization of a novel spatially coherent crystalline nanocomposite obtained from a melt of KBr, RbCl, RbBr, KI and RbI salts	ADOLFO ERNESTO CORDERO BORBOA PABLO SAMUEL SCHABES RETKHKIMAN Mijangos R.R.	JOURNAL OF MATERIALS SCIENCE	2006
29	Synthesis and structural determination of twisted MoS ₂ nanotubes	JORGE ANTONIO ASCENCIO GUTIERREZ DOROTEO MENDOZA LOPEZ PABLO SAMUEL SCHABES RETKHKIMAN et al.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2004
30	Electron microscopy characterization of Ni/H/ β -zeolite catalyst prepared by deposition-precipitation methods	RAFAEL IVAN PUENTE LEE PABLO SAMUEL SCHABES RETCHKIMAN Nares R. et al.	REVISTA MEXICANA DE FISICA	2004
31	Luminescence of Eu ³⁺ incorporated into PZT tetragonal ceramics prepared by sol-gel	PABLO SAMUEL SCHABES RETKHKIMAN JORGE ALFONSO GARCIA MACEDO González F.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2004
32	Morphology of SBS-modified asphalt using low vacuum SEM	RAFAEL IVAN PUENTE LEE PABLO SAMUEL SCHABES RETCHKIMAN RAFAEL HERRERA NAJERA et al.	MICROSCOPY AND MICROANALYSIS	2003
33	Phase identification during aging of some nitrided ferrous materials	GUILLERMO GUADALUPE HINOJOSA AGUIRRE PABLO SAMUEL SCHABES RETCHKIMAN Oseguera J.	Thin Solid Films	1999
34	High Resolution Electron Microscopy Characterization of Nitrides of Iron and Iron Alloys	GUILLERMO GUADALUPE HINOJOSA AGUIRRE PABLO SAMUEL SCHABES RETCHKIMAN Oseguera J.	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	1998
35	Microscopical characterization of α' Fe ₁₆ N ₂ obtained by plasma assisted processes	GUILLERMO GUADALUPE HINOJOSA AGUIRRE PABLO SAMUEL SCHABES RETCHKIMAN Oseguera J. et al.	SCRIPTA MATERIALIA	1996
36	Growth kinetics of concomitant nitride layers in post-discharge conditions: modeling and experiment	PABLO SAMUEL SCHABES RETKHKIMAN Figueroa U. Oseguera J.	SURFACE & COATINGS TECHNOLOGY	1996
37	Nitride nanophases in a plasma-assisted surface modified steel	PABLO SAMUEL SCHABES RETKHKIMAN Palacios M. Salas O. et al.	SURFACE & COATINGS TECHNOLOGY	1995
38	Microstructure of RhCe particles on silica: Interactions between Ce and SiO ₂	PABLO SAMUEL SCHABES RETKHKIMAN Krause K.R. Schmidt L.D.	JOURNAL OF CATALYSIS	1992
39	Decagonal and hexagonal structures in small gold particles	RAUL HERRERA BECERRA ALFREDO GOMEZ RODRIGUEZ PABLO SAMUEL SCHABES RETCHKIMAN et al.	SURFACE SCIENCE	1990

PABLO SAMUEL SCHABES RETCHKIMAN

40	Structure of $\text{Bi}_2\text{I}(\text{Ca},\text{Sr})_{n+1}\text{Cu}_n\text{O}_{2n+4+d}$ superconductors by electron diffraction	RAUL HERRERA BECERRA ALFREDO GOMEZ RODRIGUEZ PABLO SAMUEL SCHABES RETCHKIMAN et al.	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	1990
41	On the long period superstructure of the superconducting phase $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$	JOSE REYES GASGA PABLO SAMUEL SCHABES RETCHKIMAN Yacamán M.J. et al.	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	1989
42	On the structure of small palladium particles	RAUL HERRERA BECERRA PABLO SAMUEL SCHABES RETCHKIMAN LUIS DAVID FERNANDO ROMEU CASAJUANA et al.	SCRIPTA METALLICA	1989
43	Use of two-dimensional single electron detector for electron diffraction studies in TEM	LUIS SALAS CASALES ALFREDO GOMEZ RODRIGUEZ LUIS DAVID FERNANDO ROMEU CASAJUANA et al.	Ultramicroscopy	1985
44	Microdiffraction and lattice resolution studies of fivefold symmetry gold particles	PABLO SAMUEL SCHABES RETCHKIMAN GUSTAVO ADOLFO VAZQUEZ POLO Gomez A. et al.	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	1984
45	(1×2) Surface reconstruction in $\{110\}$ gold particles	PABLO SAMUEL SCHABES RETCHKIMAN Yacamán M.J.	SURFACE SCIENCE	1984
46	Electron microdiffraction patterns of small metallic particles	ALFREDO GOMEZ RODRIGUEZ PABLO SAMUEL SCHABES RETCHKIMAN José-Yacamán M. et al.	PHILOS MAG A	1983
47	Microdiffraction patterns of icosahedral particles	PABLO SAMUEL SCHABES RETCHKIMAN José-Yacamán M. ALFREDO GOMEZ RODRIGUEZ	Thin Solid Films	1982
48	Structure and shape of epitaxial metal clusters	PABLO SAMUEL SCHABES RETCHKIMAN Yacamán M.J.	Applications Of Surface Science	1982
49	MICRODIFFRACTION PATTERNS OF SMALL METALLIC PARTICLES II: THEORETICAL ANALYSIS.	ALFREDO GOMEZ RODRIGUEZ PABLO SAMUEL SCHABES RETCHKIMAN Jose-Yacamán M. et al.	Proceedings - Electron Microscopy Society Of America	1982
50	Structural studies of xenon and krypton solid monolayers on graphite using transmission electron diffraction	PABLO SAMUEL SCHABES RETCHKIMAN Venables J.A.	SURFACE SCIENCE	1981
51	On the geometry of dislocations in close-packed adsorbed solid monolayers	PABLO SAMUEL SCHABES RETCHKIMAN Venables J.A.	Journal Of Physics C: Solid State Physics	1978



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



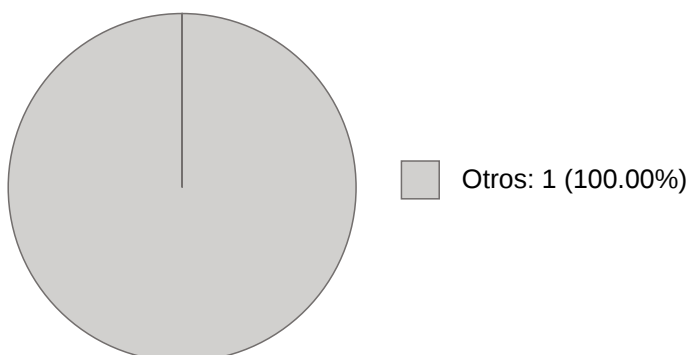
PABLO SAMUEL SCHABES RETCHKIMAN

52	Misfit dislocations and lattice parameters of adsorbed xenon and krypton monolayers on graphite	PABLO SAMUEL SCHABES RETCHKIMAN Venables J.A.	SURFACE SCIENCE	1978
53	ADSORBED SOLID XENON AND KRYPTON ON GRAPHITE-DIFFRACTION STUDIES AND MODEL CALCULATIONS.	PABLO SAMUEL SCHABES RETCHKIMAN Venables J.A.	J Phys (paris), Colloq Colloq C-4, Suppl To Tome 38	1977

PABLO SAMUEL SCHABES RETCHKIMAN

LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Síntesis de puntos cuánticos a través de un método sustentable	PABLO SAMUEL SCHABES RETKHKIMAN Rosano-Ortega G. Munive-Olarte A. et al.	Conferencia Paper	2012	9781936338726



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



PABLO SAMUEL SCHABES RETCHKIMAN

PARTICIPACIÓN EN PROYECTOS

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

PABLO SAMUEL SCHABES RETCHKIMAN



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



PABLO SAMUEL SCHABES RETCHKIMAN

PARTICIPACIÓN EN TESIS

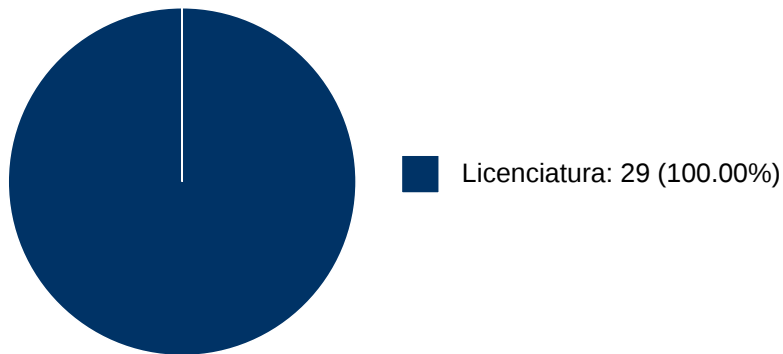
No se encuentran registros en la base de datos de TESIUNAM asociados a:

PABLO SAMUEL SCHABES RETCHKIMAN

PABLO SAMUEL SCHABES RETCHKIMAN

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	23	2022-1
2	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	12	2021-2
3	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	9	2021-1
4	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	20	2020-2
5	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	22	2020-1
6	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	22	2019-2
7	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	17	2019-1
8	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	23	2018-2
9	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	23	2018-1
10	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	22	2017-2
11	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	20	2017-1
12	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	11	2016-2
13	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	13	2016-1
14	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	14	2015-2
15	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	10	2015-1
16	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	18	2014-2
17	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	10	2014-1
18	Licenciatura	LABORATORIO DE MECANICA	Facultad de Ciencias	19	2013-2
19	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	9	2013-1
20	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	20	2012-2
21	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	15	2012-1
22	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	13	2011-2
23	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	15	2011-1
24	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	17	2010-2



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



PABLO SAMUEL SCHABES RETCHKIMAN

25	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	18	2010-1
26	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	6	2009-2
27	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	15	2009-1
28	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	18	2008-2
29	Licenciatura	LABORATORIO DE OPTICA	Facultad de Ciencias	18	2008-1



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



PABLO SAMUEL SCHABES RETCHKIMAN

PATENTES

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

PABLO SAMUEL SCHABES RETCHKIMAN

PABLO SAMUEL SCHABES RETCHKIMAN

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