



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



JAIME DE URQUIJO CARMONA

Datos Generales

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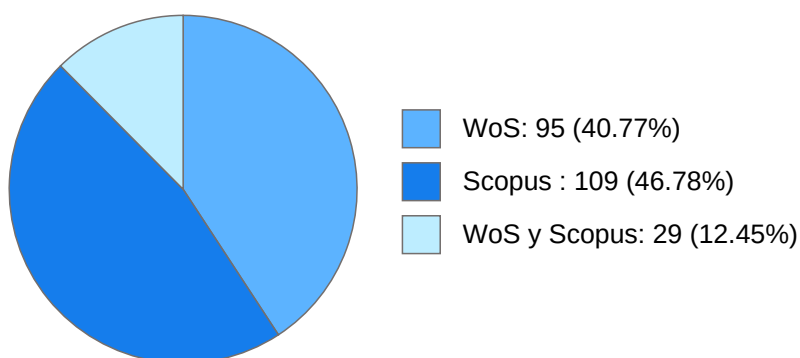
Estímulos, programas, premios y reconocimientos

SNI III - VIGENTE
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PASPA Estancias de Investigación en el extranjero 2010

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Two- and three-body attachment, electron transport and ionisation in water-air mixtures	JAIME DE URQUIJO CARMONA OLMO GONZALEZ MAGAÑA ANTONIO MARCELO JUAREZ REYES et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2024
2	The Dancing Flame: A New Twist on an Old Classic	ARMANDO BUSTOS GOMEZ JAIME DE URQUIJO CARMONA OLMO GONZALEZ MAGAÑA et al.	PHYSICS TEACHER	2024
3	An improved set of electron-THFA cross sections refined through a neural network-based analysis of swarm data	OLMO GONZALEZ MAGAÑA JAIME DE URQUIJO CARMONA Stokes P.W. et al.	JOURNAL OF CHEMICAL PHYSICS	2021
4	A complete data set for the simulation of electron transport through gaseous tetrahydrofuran in the energy range 1-100 eV	JAIME DE URQUIJO CARMONA A. Garcia-Abenza I Lozano et al.	EUROPEAN PHYSICAL JOURNAL D	2021
5	Electron swarm coefficients and critical field strength of the gaseous ternary mixtures CF3I-SF6-N-2 and CF3I-SF6-CO2	OLMO GONZALEZ MAGAÑA LAURA NATALIA SERKOVIC LOLI ANTONIO MARCELO JUAREZ REYES et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2020
6	Self-consistent electron-THF cross sections derived using data-driven swarm analysis with a neural network model	JAIME DE URQUIJO CARMONA P. W. Stokes M. J. E. Casey et al.	PLASMA SOURCES SCIENCE & TECHNOLOGY	2020

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7	A set of cross sections and transport coefficients for CF ₃ ⁺ ions in CF ₄	JAIME DE URQUIJO CARMONA V Jovanovic V Stojanovic et al.	PLASMA SOURCES SCIENCE & TECHNOLOGY	2019
8	Assessment of the self-consistency of electron-THF cross sections using electron swarm techniques: Mixtures of THF-Ar and THF-N ₂	JAIME DE URQUIJO CARMONA LAURA NATALIA SERKOVIC LOLI Casey M.J.E. et al.	JOURNAL OF CHEMICAL PHYSICS	2019
9	Electron transport coefficients and negative streamer dynamics in CF ₃ I-SF ₆ mixtures	JAIME DE URQUIJO CARMONA Dujko S. Atic J. et al.	IEEE International Conference on Dielectric Liquids	2019
10	Thermal induced NDC of electron swarms in N-2 and N-2-like gases: the role of temperature and collision operator approximations	JAIME DE URQUIJO CARMONA M. J. E. Casey D. G. Cocks et al.	PLASMA SOURCES SCIENCE & TECHNOLOGY	2019
11	Electron transport in biomolecular gaseous and liquid systems: Theory, experiment and self-consistent cross-sections	JAIME DE URQUIJO CARMONA OLMO GONZALEZ MAGAÑA R. D. White et al.	PLASMA SOURCES SCIENCE & TECHNOLOGY	2018
12	Measurement of electron swarm coefficients in chlorine and its mixtures with nitrogen	OLMO GONZALEZ MAGAÑA JAIME DE URQUIJO CARMONA	PLASMA SOURCES SCIENCE & TECHNOLOGY	2018
13	LXCat: an Open-Access, Web-Based Platform for Data Needed for Modeling Low Temperature Plasmas	JAIME DE URQUIJO CARMONA Pitchford, Leanne C. Alves, Luis L. et al.	PLASMA PROCESSES AND POLYMERS	2017
14	Self-consistency of electron-THF cross sections using electron swarm techniques	JAIME DE URQUIJO CARMONA LAURA NATALIA SERKOVIC LOLI Casey, M. J. E. et al.	JOURNAL OF CHEMICAL PHYSICS	2017
15	Pressure-dependent mobility of negative ions in mixtures of H ₂ O with Ar	JAIME DE URQUIJO CARMONA Ruiz-Vargas, G.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2016
16	Using a parallel genetic algorithm to fit a pulsed townsend discharge simulation to experiments	JAIME DE URQUIJO CARMONA Basurto, Eduardo Vargas, Carlos A. et al.	Communications in Computer and Information Science	2016
17	An automated Langmuir probe controller for plasma characterization	ARMANDO BUSTOS GOMEZ ANTONIO MARCELO JUAREZ REYES JAIME DE URQUIJO CARMONA et al.	MEASUREMENT SCIENCE AND TECHNOLOGY	2016

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18	The virtual atomic and molecular data centre (VAMDC) consortium	JAIME DE URQUIJO CARMONA Dubernet, M. L. Antony, B. K. et al.	JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS	2016
19	Electron impact cross-sections for biomolecules - Completeness and self-consistency via swarm analysis	JAIME DE URQUIJO CARMONA Casey M. Konvalov D. et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2015
20	Electron swarm transport in THF and water mixtures	JAIME DE URQUIJO CARMONA White, Ronald D. Brunger, Michael J. et al.	EUROPEAN PHYSICAL JOURNAL D	2014
21	Electron drift velocities in He and water mixtures: Measurements and an assessment of the water vapour cross-section sets	JAIME DE URQUIJO CARMONA ANTONIO MARCELO JUAREZ REYES Basurto, E. et al.	JOURNAL OF CHEMICAL PHYSICS	2014
22	Drift and clustering of daughter negative ions of H ₂ O in parent gas	JAIME DE URQUIJO CARMONA A. Bekstein G. Ruiz Vargas et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2013
23	Ion mobilities and transport cross sections of daughter negative ions in N ₂ O and N ₂ O-N ₂ mixtures	JAIME DE URQUIJO CARMONA A. Bekstein Jovanovic, J. V. et al.	PLASMA SOURCES SCIENCE & TECHNOLOGY	2013
24	Scattering cross sections for electrons in C ₂ H ₂ F ₄ and its mixtures with Ar from measured transport coefficients	JAIME DE URQUIJO CARMONA Sasic, Olivera Dupljanin, Snjezana et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2013
25	Electron swarm coefficients and the limiting field strength of SF ₆ -N ₂ O mixtures	ANTONIO MARCELO JUAREZ REYES JAIME DE URQUIJO CARMONA Basurto, E. et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2013
26	Transport properties of electron swarms in tetrahydrofuran under the influence of an applied electric field	JAIME DE URQUIJO CARMONA Garland, N. A. Brunger, M. J. et al.	PHYSICAL REVIEW A	2013
27	Measurement of electron swarm coefficients in C ₂ F ₄ -Xe and evidence of Penning ionization in C ₂ F ₄ -Ar	A. Bekstein JAIME DE URQUIJO CARMONA Hernandez-Avila, J. L. et al.	EUROPEAN PHYSICAL JOURNAL D	2012
28	Determination of transport and reaction swarm coefficients from the analysis of complex transient pulses from the pulsed Townsend experiment	JAIME DE URQUIJO CARMONA ANA CECILIA DEL ROSARIO RODRIGUEZ LUNA ANTONIO MARCELO JUAREZ REYES et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2012

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29	Mobility of Xe ⁺ in Xe-Ne and Xe-He mixtures	JAIME DE URQUIJO CARMONA A. Bekstein Basurto, E.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2011
30	Limiting field strength and electron swarm coefficients of the CF ₃ I-SF ₆ gas mixture	JAIME DE URQUIJO CARMONA A. Mitrani G. Ruiz Vargas et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2011
31	Transport coefficients and cross sections for electrons in N ₂ O and N ₂ O/N ₂ mixtures	JAIME DE URQUIJO CARMONA ANTONIO MARCELO JUAREZ REYES Dupljanin, S. et al.	PLASMA SOURCES SCIENCE & TECHNOLOGY	2010
32	A simple, sensitive circuit to measure Boltzmann's constant from Johnson's noise	J. C. Rodriguez Luna JAIME DE URQUIJO CARMONA	EUROPEAN JOURNAL OF PHYSICS	2010
33	Measurements and analysis of electron transport coefficients obtained by a pulsed Townsend technique	JAIME DE URQUIJO CARMONA ANTONIO MARCELO JUAREZ REYES Sasic, O. et al.	PLASMA SOURCES SCIENCE & TECHNOLOGY	2010
34	Relaxation effects in ionic mobility and cluster formation: negative ions in SF ₆ at high pressures	ANTONIO MARCELO JUAREZ REYES JAIME DE URQUIJO CARMONA GUILLERMO GUADALUPE HINOJOSA AGUIRRE et al.	PLASMA SOURCES SCIENCE & TECHNOLOGY	2010
35	Electron transport coefficients in the mixtures of H ₂ O with N ₂ , O ₂ , CO ₂ and dry air for the optimization of non-thermal atmospheric pressure plasmas	G. Ruiz Vargas JAIME DE URQUIJO CARMONA Yousfi, M.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2010
36	Comment on "NO _x production in laboratory discharges simulating blue jets and red sprites" by Harold Peterson et al.	JAIME DE URQUIJO CARMONA Gordillo-Vazquez, F. J.	Journal Of Geophysical Research	2010
37	The 29th International Conference on phenomena in ionized gases	JAIME DE URQUIJO CARMONA	PLASMA SOURCES SCIENCE & TECHNOLOGY	2010
38	Electron impact ionization and transport in nitrogen-argon mixtures	JAIME DE URQUIJO CARMONA Jovanovic, J. V. Basurto, E. et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2009
39	Electron swarm coefficients in 1,1,1,2 tetrafluoroethane (R134a) and its mixtures with Ar	JAIME DE URQUIJO CARMONA ANTONIO MARCELO JUAREZ REYES Basurto, E. et al.	EUROPEAN PHYSICAL JOURNAL D	2009

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40	Transport properties of SF ₆ - in SF ₆ -Ne, SF ₆ -N ₂ and SF ₆ -O ₂ mixtures	JAIME DE URQUIJO CARMONA Benhenni, M. Yousfi, M. et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2009
41	Electron Swarm Coefficients in CO(2)-N(2) and CO(2)-O(2) Mixtures	JAIME DE URQUIJO CARMONA ANTONIO MARCELO JUAREZ REYES Yousfi, Mohammed et al.	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009
42	The Mobility of Negative Ions in CF ₃ I, CF ₃ I-N ₂ , CF ₃ I-Ar, CF ₃ I-Xe, C ₂ F ₆ , and CHF ₃ , and of Positive Ions in C ₂ F ₄ and c-C ₄ F ₈	JAIME DE URQUIJO CARMONA ANTONIO MARCELO JUAREZ REYES	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009
43	Negative ion clusters in oxygen: collision cross sections and transport coefficients	JAIME DE URQUIJO CARMONA O. Ducasse G. Ruiz Vargas et al.	EUROPEAN PHYSICAL JOURNAL D	2009
44	Electron and ion swarm data of fluorinated gases used in plasma processing	JAIME DE URQUIJO CARMONA	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2007
45	Is CF ₃ I a good gaseous dielectric? A comparative swarm study of CF ₃ I and SF ₆	JAIME DE URQUIJO CARMONA	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2007
46	Electron impact ionization and attachment, drift velocities and longitudinal diffusion in CF ₃ I and CF ₃ I-N ₂ mixtures	JAIME DE URQUIJO CARMONA ANTONIO MARCELO JUAREZ REYES Basurto E. et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2007
47	Data and modeling of negative ion transport in gases of interest for production of integrated circuits and nanotechnologies	JAIME DE URQUIJO CARMONA Petrovic Z.Lj. Raspopovic Z.M. et al.	APPLIED SURFACE SCIENCE	2007
48	A numerical simulation code for electronic and ionic transients from a time-resolved pulsed townsend experiment	JAIME DE URQUIJO CARMONA ANTONIO MARCELO JUAREZ REYES ANA CECILIA DEL ROSARIO RODRIGUEZ LUNA et al.	IEEE TRANSACTIONS ON PLASMA SCIENCE	2007
49	Measurement of electron transport and effective ionization in SF ₆ -air and SF ₆ -O ₂ mixtures	JAIME DE URQUIJO CARMONA Hernández-Aávila J.L.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2006
50	Electron drift velocities in mixtures of helium and xenon and experimental verification of corrections to Blanc's law	JAIME DE URQUIJO CARMONA ?a?ic, O. Jovanovic J. et al.	PHYSICAL REVIEW E	2005

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51	Measured and calculated SF ₆ – collision and swarm ion transport data in SF ₆ -Ar and SF ₆ -Xe mixtures	JAIME DE URQUIJO CARMONA GUILLERMO GUADALUPE HINOJOSA AGUIRRE Benhenni M. et al.	PHYSICAL REVIEW E	2005
52	Electron transport and effective ionization coefficients in C ₂ F ₆ , C ₂ F ₆ -Ar and C ₂ F ₆ -N ₂ mixtures	JAIME DE URQUIJO CARMONA Castrejón-Pita A.A. Hernández-Ávila J.L. et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2004
53	Electron transport and ionization in CHF ₃ -Ar and CHF ₃ -N ₂ gas mixtures	JAIME DE URQUIJO CARMONA Hernández-Ávila J.L. Basurto E.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2004
54	Test of blanc's law for negative ion mobility in mixtures of SF ₆ with N ₂ , O ₂ and air	GUILLERMO GUADALUPE HINOJOSA AGUIRRE JAIME DE URQUIJO CARMONA	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2003
55	Pulsed townsend measurement of electron transport and ionization in SF ₆ -N ₂ mixtures	JAIME DE URQUIJO CARMONA Hernández-Ávila J.L.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2003
56	Electron swarm and transport coefficients for the binary mixtures of SF ₆ with Ar and Xe	JAIME DE URQUIJO CARMONA Hernández-Ávila J.L. Basurto E. et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2003
57	Ion mobilities in Xe/Ne and other rare-gas mixtures	JAIME DE URQUIJO CARMONA Piscitelli D. Phelps A.V. et al.	PHYS REV E	2003
58	Measurement of electron drift, diffusion, and effective ionization coefficients in the SF ₆ -CHF ₃ and SF ₆ -CF ₄ gas mixtures	JAIME DE URQUIJO CARMONA Basurto E. Hernández-Ávila J.L.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2003
59	Negative ion motion in the mixtures of SF ₆ with CF ₄ and CH ₄ -Ar	JAIME DE URQUIJO CARMONA FAROOK BASHIR YOUSIF	PHYS REV E	2003
60	Mobility of CF ₃ + in CF ₄ , CHF ₂ + in CHF ₃ , and C ⁺ in Ar	JAIME DE URQUIJO CARMONA Basurto E.	JOURNAL OF APPLIED PHYSICS	2002
61	Time-resolved study on negative ion motion in SF ₆ at high pressures	GUILLERMO GUADALUPE HINOJOSA AGUIRRE JAIME DE URQUIJO CARMONA Hernández Ávila J.L. et al.	Conference On Electrical Insulation And Dielectric Phenomena (ceidp), Annual Report	2002

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62	Negative ion motion in mixtures of CH ₄ and Ar with low SF ₆ content	JAIME DE URQUIJO CARMONA FAROOK BASHIR YOUSIF	Conference On Electrical Insulation And Dielectric Phenomena (ceidp), Annual Report	2002
63	Swarm studies on elementary processes and ion-molecule reactions in low-temperature plasmas	JAIME DE URQUIJO CARMONA	PLASMA SOURCES SCIENCE & TECHNOLOGY	2002
64	Electron transport and swarm parameters in CO ₂ and its mixtures with SF ₆	JAIME DE URQUIJO CARMONA Hernández-Ávila J.L. Basurto E.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2002
65	Motion of SF _x + (x= 1-3,5) and ion conversion in SF ₆ -N ₂ mixtures	JAIME DE URQUIJO CARMONA Basurto E.	PHYSICAL REVIEW E	2001
66	Electron attachment, ionization and drift in c-C ₄ F ₈	JAIME DE URQUIJO CARMONA Basurto E.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2001
67	Effective ionization, electron and ion transport in SF ₆ -He mixtures	JAIME DE URQUIJO CARMONA Basurto E. Hernández-Ávila J.L.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2001
68	Electron transport, ionization, and attachment coefficients in C ₂ F ₄ and C ₂ F ₄ /Ar mixtures	JAIME DE URQUIJO CARMONA Goyette A.N. Wang Y. et al.	JOURNAL OF CHEMICAL PHYSICS	2001
69	N ⁺ charge transfer and N ₂ + dissociation in N ₂ at swarm energies	JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO IGNACIO ALVAREZ TORRES et al.	PHYSICAL REVIEW E	2001
70	Mobility of He ⁺ , Ne ⁺ , Ar ⁺ , N ₂ ⁺ , O ₂ ⁺ , and CO ₂ ⁺ in their parent gas	JAIME DE URQUIJO CARMONA IGNACIO ALVAREZ TORRES MARIA DEL CARMEN CISNEROS GUDIÑO et al.	PHYS REV E	2000
71	Experimental verification of quasibound predissociative states of H ₃ ⁺ above the H ⁺ +H ₂ dissociation limit	IGNACIO ALVAREZ TORRES FAROOK BASHIR YOUSIF JAIME DE URQUIJO CARMONA et al.	JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS	2000

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72	Polar dissociation of vibrationally de-excited H ₃ ⁺ and D ₃ ⁺ in collision with He	GUILLERMO GUADALUPE HINOJOSA AGUIRRE FAROOK BASHIR YOUSIF MARIA DEL CARMEN CISNEROS GUDIÑO et al.	JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS	1999
73	Measurement of ionization and electron transport in methane-argon mixtures	JAIME DE URQUIJO CARMONA IGNACIO ALVAREZ TORRES MARIA DEL CARMEN CISNEROS GUDIÑO et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1999
74	A time-resolved study of ionization, electron attachment and positive-ion drift in methane	JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO Arriaga C.A. et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1999
75	Ionization, electron attachment, and drift in CHF ₃	JAIME DE URQUIJO CARMONA IGNACIO ALVAREZ TORRES MARIA DEL CARMEN CISNEROS GUDIÑO	PHYS REV E	1999
76	Generation of an H ₃ ⁺ (v=0) beam and its diagnosis from the observation of its polar dissociation in collision with He	FAROOK BASHIR YOUSIF GUILLERMO GUADALUPE HINOJOSA AGUIRRE JAIME DE URQUIJO CARMONA et al.	INT J MASS SPECTROM	1998
77	Drift and proton transfer reactions of positive ions in methane parent gas	JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO Domínguez I. et al.	JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS	1997
78	Single electron capture of H ⁺ in Mg in the energy range 0.5 to 5.0 keV	MARIA DEL CARMEN CISNEROS GUDIÑO HORACIO MARTINEZ VALENCIA BEATRIZ ELIZABETH FUENTES MADARIAGA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1996
79	The influence of ion/molecule reactions on the evaluation of ion mobility and diffusion coefficients	JAIME DE URQUIJO CARMONA IGNACIO ALVAREZ TORRES MARIA DEL CARMEN CISNEROS GUDIÑO et al.	INT J MASS SPECTROM	1996
80	Single- and double-electron loss of H ⁻ in collisions with SF ₆ , CH ₄ , and CO	JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO HORACIO MARTINEZ VALENCIA et al.	PHYSICAL REVIEW A	1996

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81	Single and double electron capture in H ⁺ on Kr collisions at low-keV energies	HORACIO MARTINEZ VALENCIA BEATRIZ ELIZABETH FUENTES MADARIAGA MARIA DEL CARMEN CISNEROS GUDIÑO et al.	CHEMICAL PHYSICS	1995
82	Compilation and analytic fitting of state-selective electron capture cross sections in collisions of Beq ⁺ , Bq ⁺ , Alq ⁺ Siq ⁺ , Tiq ⁺ , Vq ⁺ , Niq ⁺ , Krq ⁺ , and Moq ⁺ ions with H, H ₂ and He	MARIA DEL CARMEN CISNEROS GUDIÑO JAIME DE URQUIJO CARMONA Alvarez I.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1995
83	Bipolar high voltage dc supply for deflecting charged particle beams	JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO Alvarez I.	REVIEW OF SCIENTIFIC INSTRUMENTS	1995
84	Angular distributions for H ⁻ formation from interaction of H ₂ + with Kr	BEATRIZ ELIZABETH FUENTES MADARIAGA HORACIO MARTINEZ VALENCIA MARIA DEL CARMEN CISNEROS GUDIÑO et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1995
85	A coincidence system for studying collisional ion dissociation: Application to H ⁺ 3 in He	JAIME DE URQUIJO CARMONA IGNACIO ALVAREZ TORRES MARIA DEL CARMEN CISNEROS GUDIÑO et al.	REVIEW OF SCIENTIFIC INSTRUMENTS	1994
86	Center-of-mass energy distributions of coincident H ⁻ and H ⁺ from the collision-induced dissociation of H ₃ ⁺ in He	HORACIO MARTINEZ VALENCIA MARIA DEL CARMEN CISNEROS GUDIÑO JAIME DE URQUIJO CARMONA et al.	PHYSICAL REVIEW A	1994
87	Vertical high-precision Michelson wavemeter	JORGE ANTONIO REYES MORALES JAIME DE URQUIJO CARMONA Mendoza A.	REVIEW OF SCIENTIFIC INSTRUMENTS	1993

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88	Single electron capture in He ⁺ on SF ₆ , collisions at low keV energies	HORACIO MARTINEZ VALENCIA MARIA DEL CARMEN CISNEROS GUDIÑO JAIME DE URQUIJO CARMONA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1993
89	Formation of D ⁺ by collisional dissociation of 4.5 keV D ⁺ + 3 with He	HORACIO MARTINEZ VALENCIA JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1993
90	Angular and velocity distributions of the HD ⁺ and D ₂ ⁺ fragments from HD ₂ ⁺ colliding with He at energies of 1 to 5 keV	MARIA DEL CARMEN CISNEROS GUDIÑO JAIME DE URQUIJO CARMONA Alvarez I. et al.	PHYSICAL REVIEW A	1992
91	Transpon Coefficients of SF ⁺ and SF ⁺ 2 in SF ₆	JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO HORACIO MARTINEZ VALENCIA et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1992
92	Single electron capture of Ne ⁺ in He in the energy range 0.5 to 5 keV	HORACIO MARTINEZ VALENCIA MARIA DEL CARMEN CISNEROS GUDIÑO JAIME DE URQUIJO CARMONA et al.	Z PHYS D ATOM MOL CL	1991
93	Angular distributions of H ⁻ fragments from H ⁺ 2 on Mg at low keV collisions	MARIA DEL CARMEN CISNEROS GUDIÑO HORACIO MARTINEZ VALENCIA JAIME DE URQUIJO CARMONA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1991

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94	The collisional dissociation of HD+ 2 studied by angular distributions and translational spectroscopy	MARIA DEL CARMEN CISNEROS GUDIÑO JAIME DE URQUIJO CARMONA HORACIO MARTINEZ VALENCIA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1991
95	Collisional dissociation of HD+ 2 molecular ions in H2 in the energy range 1.5-5.0 keV	MARIA DEL CARMEN CISNEROS GUDIÑO HORACIO MARTINEZ VALENCIA JAIME DE URQUIJO CARMONA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1991
96	Collisional dissociation and binding energy of D3 +	HORACIO MARTINEZ VALENCIA MARIA DEL CARMEN CISNEROS GUDIÑO JAIME DE URQUIJO CARMONA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1991
97	Mobility and longitudinal diffusion of SF3+ and SF5+ in SF6	JAIME DE URQUIJO CARMONA HORACIO MARTINEZ VALENCIA Alvarez I.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1990
98	Single and double electron capture of H+ in SF6 in the energy range 1 to 5 keV	HORACIO MARTINEZ VALENCIA JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO et al.	PHYSICS LETTERS A	1990

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99	Absolute differential cross sections for single-electron capture of H ⁰ in Ar at keV energies	HORACIO MARTINEZ VALENCIA JORGE ANTONIO REYES MORALES JAIME DE URQUIJO CARMONA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1989
100	H ⁻ formation from collision-induced dissociation of H ₃ ⁺ in He at keV energies	HORACIO MARTINEZ VALENCIA MARIA DEL CARMEN CISNEROS GUDIÑO JORGE ANTONIO REYES MORALES et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1989
101	Absolute cross-section measurements of the direct charge transfer of He ⁺ in neon in the energy range 0.55 keV	HORACIO MARTINEZ VALENCIA MARIA DEL CARMEN CISNEROS GUDIÑO JAIME DE URQUIJO CARMONA et al.	PHYSICAL REVIEW A	1988
102	Erratum: Time-resolved study of charge transfer in SF ₆ (Journal of Physics D: Applied Physics (1986) 19 (L207-L210))	JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO Alvarez I.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1987
103	Binding energy of H ₃ ⁺ from the analysis of angular and energy distributions of the reaction H ₃ ⁺⁺ HeH ₂ ⁺ + H + He	HORACIO MARTINEZ VALENCIA JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO et al.	PHYSICAL REVIEW A	1987
104	Time-resolved study of charge transfer in SF ₆	JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO Alvarez I.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1986
105	Transient analysis of the drift and longitudinal diffusion of ions in a uniform-field discharge gap	JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO Alvarez I.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1985
106	Measurement of ionisation, positive ion mobilities and longitudinal diffusion coefficients in SF ₆ at high E/N	JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO Alvarez I.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1985

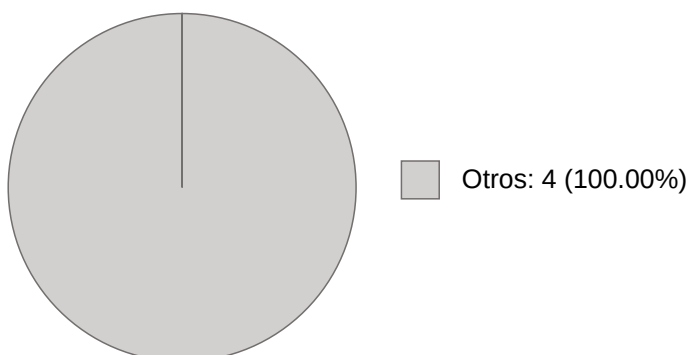
JAIME DE URQUIJO CARMONA

107	Erratum: Transient analysis of the drift and longitudinal diffusion of ions in a uniform-field discharge gap (Journal of Physics D: Applied Physics (1985) 18, 12)	JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO Alvarez I.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1985
108	INTERFERENCE EFFECTS IN NEGATIVE ION FORMATION.	JORGE ANTONIO REYES MORALES JAIME DE URQUIJO CARMONA MARIA DEL CARMEN CISNEROS GUDIÑO et al.	AIP Conference Proceedings	1984
109	Ion mobilities and clustering in SF6 at high pressures	JAIME DE URQUIJO CARMONA	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1983

JAIME DE URQUIJO CARMONA

LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

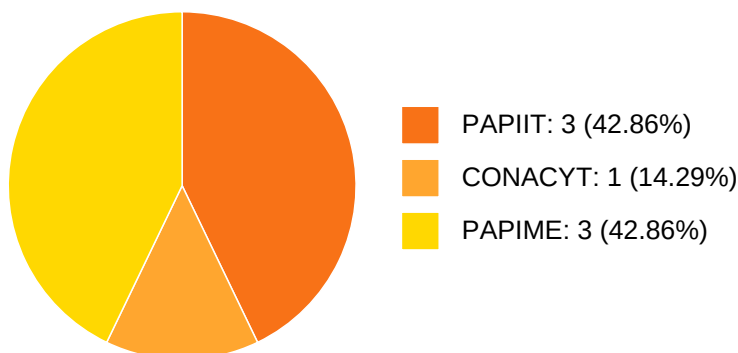


#	Título	Autores	Alcance	Año	ISBN
1	SCATTERING CROSS SECTIONS AND ELECTRON TRANSPORT COEFFICIENTS FOR ELECTRONS IN CF3I	JAIME DE URQUIJO CARMONA J. Miric D. Bosnjakovic et al.	Meeting Abstract	2015	9781479969746
2	CROSS SECTIONS FOR ELECTRON COLLISIONS WITH TETRAFLUOROETHANE (C2H2F4)	JAIME DE URQUIJO CARMONA Olivera Sasic Snjezana Dupljanin et al.	Meeting Abstract	2015	9781479969746
3	Electron swarm coefficients of CF3I and CF3I-N 2 and their comparison with those of SF6	ANTONIO MARCELO JUAREZ REYES JAIME DE URQUIJO CARMONA Basurto E. et al.	Conferenc e Paper	2008	978095580520 2
4	O4- swarm data in O2	JAIME DE URQUIJO CARMONA Bekstein A. Yousfi M. et al.	Conferenc e Paper	2008	978095580520 2

JAIME DE URQUIJO CARMONA

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Estudio de la interacción ion negativo-foton: transporte y reactividad ionica en la fase gaseosa.	JAIME DE URQUIJO CARMONA	Recursos CONACYT	12-06-2015	11-06-2018
2	Interacción de iones y electrones en plasmas de interés biológico y atmosférico	JAIME DE URQUIJO CARMONA	Recursos PAPIIT	01-01-2017	31-12-2019
3	Equipos para la enseñanza de la instrumentación electrónica y la física de plasmas: Segunda etapa	JAIME DE URQUIJO CARMONA	Recursos PAPIIME	01-01-2018	31-12-2020
4	Transporte de carga y reactividad en gases y líquidos de interés biológico y ambiental: Segunda fase.	JAIME DE URQUIJO CARMONA	Recursos PAPIIT	01-01-2020	31-12-2022
5	DESARROLLO DE EQUIPOS A CONTROL REMOTO PARA LA ENSEÑANZA DE LA INSTRUMENTACION ELECTRONICA Y LA FISICA DE PLASMAS	JAIME DE URQUIJO CARMONA	Recursos PAPIIME	01-01-2022	31-12-2023
6	Estudio del transporte de carga y la ionización en agua y sus mezclas con gases atmosféricos, de interés biológico e industrial	JAIME DE URQUIJO CARMONA	Recursos PAPIIT	01-01-2023	31-12-2025



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Reporte individual



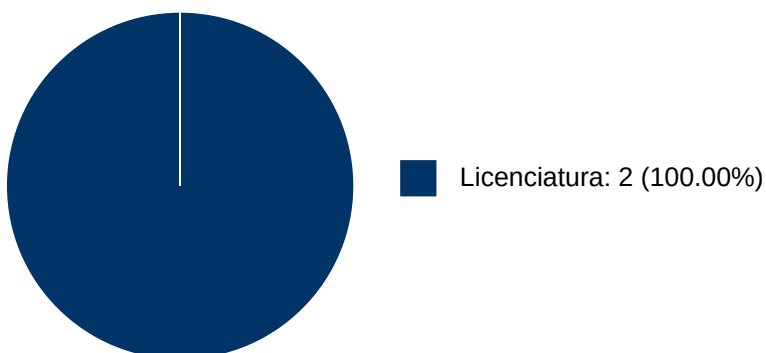
JAIME DE URQUIJO CARMONA

7	DESARROLLO DE INSTRUMENTOS PARA LA ENSEÑANZA DE LA FISICA MODERNA EXPERIMENTAL	JAIME DE URQUIJO CARMONA	Recursos PAPIME	01-01-2024	31-12-2025
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JAIME DE URQUIJO CARMONA

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

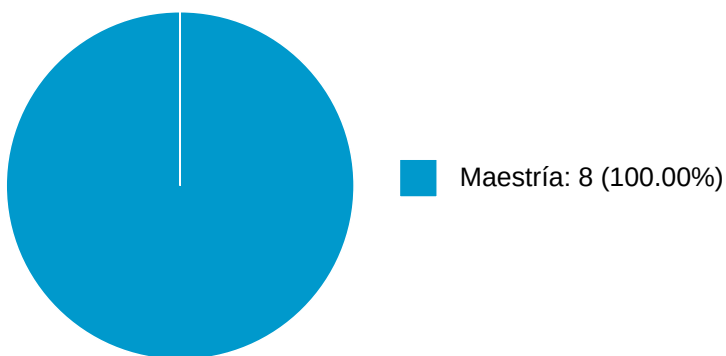


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Implementación de un sistema electrónico y de software para el despliegue del espectro de un monocromador de alta precisión	Tesis de Licenciatura	JAIME DE URQUIJO CARMONA,	Sedano Ysla, Sebastián,	Instituto de Ciencias Físicas,	2016
2	Estudio preliminar del desprendimiento electrónico de iones negativos en óxido nítrico	Tesis de Licenciatura	JAIME DE URQUIJO CARMONA,	Villavicencio Aguilar, Claudia,	Instituto de Ciencias Físicas,	2010

JAIME DE URQUIJO CARMONA

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	LABORATORIO AVANZADO	Instituto de Ciencias Físicas	2	2016-1
2	Maestría	LABORATORIO AVANZADO	Instituto de Ciencias Físicas	1	2013-1
3	Maestría	LABORATORIO AVANZADO	Instituto de Ciencias Físicas	3	2012-1
4	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Ciencias Físicas	1	2011-1
5	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Ciencias Físicas	1	2010-2
6	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Ciencias Físicas	1	2010-2
7	Maestría	TEMA SELECTO	Instituto de Ciencias Físicas	1	2010-2
8	Maestría	METODOS EXPERIMENTALES DE LA FISICA	Instituto de Ciencias Físicas	5	2009-1



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JAIME DE URQUIJO CARMONA

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