



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



ELIZABETH PADILLA RODAL

Datos Generales

Nombre: ELIZABETH PADILLA RODAL

Máximo nivel de estudios: POSDOCTORADO

Antigüedad académica en la UNAM: 21 años

Nombramientos

Vigente: INVESTIGADOR TITULAR A TC Definitivo
Instituto de Ciencias Nucleares
Desde 16-02-2014

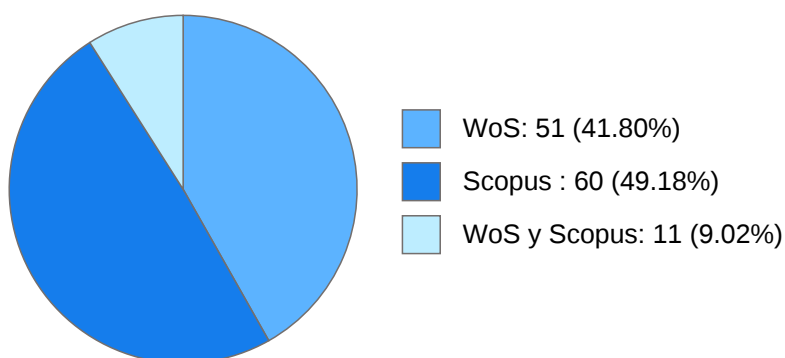
Estímulos, programas, premios y reconocimientos

SNI I 2009 - VIGENTE
PRIDE C 2012 - 2024
PRIDE B 2009 - 2012
PASPA Estancias Sabáticas 2014 - 2015

ELIZABETH PADILLA RODAL

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Cellular lethal damage of ^{64}Cu incorporated in mammalian genome evaluated with Monte Carlo methods	ELIZABETH PADILLA RODAL MIGUEL ANGEL AVILA RODRIGUEZ Carrasco-Hernandez J. et al.	Frontiers In Medicine	2023
2	Neutron transfer reactions on the ground state and isomeric state of a Sn-130 beam	ELIZABETH PADILLA RODAL K. L. Jones A. Bey et al.	PHYSICAL REVIEW C	2022
3	E2 rotational invariants of $01+$ and $21+$ states for ^{106}Cd : The emergence of collective rotation	ELIZABETH PADILLA RODAL Gray T.J. Allmond J.M. et al.	PHYSICS LETTERS B	2022
4	Early Signal of Emerging Nuclear Collectivity in Neutron-Rich Sb-129	ELIZABETH PADILLA RODAL T. J. Gray J. M. Allmond et al.	PHYSICAL REVIEW LETTERS	2020
5	How Different is the Core of F-25 from O-24(g.s.) ?	ELIZABETH PADILLA RODAL T. L. Tang T. Uesaka et al.	PHYSICAL REVIEW LETTERS	2020
6	Decay spectroscopy of Cd-129	ELIZABETH PADILLA RODAL Y. Saito I Dillmann et al.	PHYSICAL REVIEW C	2020
7	A High-Resolution Study of the Tc-110 $\text{Ru-110} \rightarrow \text{Rh-110} \rightarrow \text{Pd-110}$ Decay Chain with the GRETINA Array	ELIZABETH PADILLA RODAL Jazrawi S. Doherty D.T. et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2020

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8	The GRIFFIN facility for Decay-Spectroscopy studies at TRIUMF-ISAC	ELIZABETH PADILLA RODAL Garnsworthy A.B. Svensson C.E. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2019
9	Observation of excited states in Mg-20 sheds light on nuclear forces and shell evolution	ELIZABETH PADILLA RODAL J. S. Randhawa R. Kanungo et al.	PHYSICAL REVIEW C	2019
10	Shell evolution approaching the N=20 island of inversion: Structure of Mg 29	ELIZABETH PADILLA RODAL Matta A. Catford W.N. et al.	PHYSICAL REVIEW C	2019
11	Recoil distance method lifetime measurements at TRIUMF-ISAC using the TIGRESS Integrated Plunger	ELIZABETH PADILLA RODAL A. Chester G. C. Ball et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2018
12	Exclusive quasi-free proton knockout from oxygen isotopes at intermediate energies	ELIZABETH PADILLA RODAL Shoichiro Kawase Tomohiro Uesaka et al.	PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS	2018
13	Low-spin structure of the N = 82 nucleus Cs-137	ELIZABETH PADILLA RODAL W. Reviol D. G. Sarantites et al.	PHYSICAL REVIEW C	2018
14	Low-spin structure of the N=82 nucleus Cs 137	ELIZABETH PADILLA RODAL Reviol W. Sarantites D.G. et al.	PHYSICAL REVIEW C	2018
15	Advances at TRIUMF-ISAC and decay of neutron-rich Cd studied with GRIFFIN	ELIZABETH PADILLA RODAL Garrett P.E. Bernier N. et al.	EOS ANNUAL MEETING, EOSAM 2024	2018

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16	Halo-induced large enhancement of soft dipole excitation of (11) Li observed via proton inelastic scattering	ELIZABETH PADILLA RODAL J. Tanaka R. Kanungo et al.	PHYSICS LETTERS B	2017
17	Triaxiality near the Ru-110 ground state from Coulomb excitation	ELIZABETH PADILLA RODAL Doherty, D.T. Allmond, J.M. et al.	PHYSICS LETTERS B	2017
18	Electromagnetic Moments of Radioactive Te-136 and the Emergence of Collectivity 2p circle plus 2n Outside of Double-Magic Sn-132	ELIZABETH PADILLA RODAL Allmond, J. M. Stuchbery, A. E. et al.	PHYSICAL REVIEW LETTERS	2017
19	First Results from Griffin: The Half-lives Of 128-130Cd	ELIZABETH PADILLA RODAL Dunlop R. Bildstein V. et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2016
20	One-neutron transfer study of Xe-137 and systematics of $13/2(1)(+)$ and $13/2(2)(+)$ levels in N=83 nuclei	ELIZABETH PADILLA RODAL Reviol, W. Sarantites, D. G. et al.	PHYSICAL REVIEW C	2016
21	Half-lives of neutron-rich Cd128-130	ELIZABETH PADILLA RODAL Dunlop, R. Bildstein, V. et al.	PHYSICAL REVIEW C	2016
22	Nuclear Structure Studies in the ^{132}Sn Region: "safe Coulex" with Carbon Targets	ELIZABETH PADILLA RODAL Allmond J.M. Stuchbery A.E. et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2015
23	Preface	ELIZABETH PADILLA RODAL	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2015
24	RECENT DIRECT REACTION EXPERIMENTAL STUDIES WITH RADIOACTIVE TIN BEAMS	ELIZABETH PADILLA RODAL Jones, K. L. Ahn, S. et al.	ACTA PHYSICA POLONICA B	2015
25	Investigation into the semimagic nature of the tin isotopes through electromagnetic moments	ELIZABETH PADILLA RODAL Allmond, J. M. Stuchbery, A. E. et al.	PHYSICAL REVIEW C	2015
26	Direct reaction experimental studies with beams of radioactive tin ions	ELIZABETH PADILLA RODAL Jones, K.L. Ahn, S. et al.	AIP Conference Proceedings	2015
27	Double-magic nature of Sn 132 and Pb 208 through lifetime and cross-section measurements	ELIZABETH PADILLA RODAL Allmond, J. M. Stuchbery, A. E. et al.	PHYSICAL REVIEW LETTERS	2014
28	21 states populated in Te 135 from Be 9 -induced reactions with a Sn 132 beam	ELIZABETH PADILLA RODAL Allmond, J. M. Stuchbery, A. E. et al.	PHYSICAL REVIEW C	2014
29	High-precision B(E2) measurements of semi-magic Ni-58, Ni-60, Ni-62, Ni-64 by Coulomb excitation	ELIZABETH PADILLA RODAL Allmond, J. M. Brown, B. A. et al.	PHYSICAL REVIEW C	2014

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30	Electromagnetic properties of the 21+ state in ^{134}Te : Influence of core excitation on single-particle orbits beyond ^{132}Sn	ELIZABETH PADILLA RODAL Stuchbery, A. E. Allmond, J. M. et al.	PHYSICAL REVIEW C	2013
31	On the use of the reorientation effect in Coulomb excitation	ELIZABETH PADILLA RODAL	AIP Conference Proceedings	2013
32	Single-neutron levels near the N=82 shell closure	ELIZABETH PADILLA RODAL Manning B. Cizewski J.A. et al.	AIP Conference Proceedings	2013
33	Magnetic moments of 21+ states in $^{124,126,128}\text{Sn}$	ELIZABETH PADILLA RODAL Allmond J.M. Stuchbery A.E. et al.	PHYSICAL REVIEW C	2013
34	International Summer School on Subatomic Physics 6th Course: New Frontiers of Nuclear Physics	ELIZABETH PADILLA RODAL JORGE GUSTAVO HIRSCH GANIEVICH Liang H. et al.	Nuclear Physics News	2012
35	One-neutron transfer study of ^{135}Te and ^{137}Xe by particle- γ coincidence spectroscopy: The $7/2^-$ ^{135}Te state at N=83	ELIZABETH PADILLA RODAL Allmond J.M. Radford D.C. et al.	PHYSICAL REVIEW C	2012
36	Preface	ELIZABETH PADILLA RODAL Bijker R.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2012
37	On the measurement of quadrupole moments of radioactive nuclei	ELIZABETH PADILLA RODAL	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2011
38	Coulomb excitation of $^{124,126,128}\text{Sn}$	ELIZABETH PADILLA RODAL Allmond J.M. Radford D.C. et al.	PHYSICAL REVIEW C	2011
39	AIP Conference Proceedings: Preface	ELIZABETH PADILLA RODAL	AIP Conference Proceedings	2010
40	Erratum: Coulomb excitation of the proton-dripline nucleus ^{20}Ne (Physical Review C - Nuclear Physics (2009) 80 (044325))	ELIZABETH PADILLA RODAL Schumaker M.A. Cline D. et al.	PHYSICAL REVIEW C	2010
41	Studies with radioactive ion beams in the A ~ 80 region	ELIZABETH PADILLA RODAL	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2010
42	Coulomb excitation of the proton-dripline nucleus ^{20}Ne	ELIZABETH PADILLA RODAL Schumaker M.A. Cline D. et al.	PHYSICAL REVIEW C	2009
43	Coulomb excitation of radioactive $^{20,21}\text{Ne}$	ELIZABETH PADILLA RODAL Schumaker M.A. Cline D. et al.	EUROPEAN PHYSICAL JOURNAL A	2009
44	Narrowing of the neutron s - p f shell gap in ^{29}Ne	ELIZABETH PADILLA RODAL Hurst A.M. Wu C.Y. et al.	PHYSICS LETTERS B	2009

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45	Mass of Li^{11} from the $\text{H}^1(\text{Li}^{11},\text{Li}^9)\text{H}^3$ reaction	ELIZABETH PADILLA RODAL Roger T. Savajols H. et al.	PHYSICAL REVIEW C	2009
46	First results with TIGRESS and accelerated radioactive ion beams from ISAC: Coulomb excitation of $^{20,21,29}\text{Na}$	ELIZABETH PADILLA RODAL Schumaker M.A. Hurst A.M. et al.	AIP Conference Proceedings	2009
47	Nuclear structure studies with radioactive ion beams in the mass $A=80$ region	ELIZABETH PADILLA RODAL Galindo-Uribarri A. Batchelder J.C. et al.	AIP Conference Proceedings	2009
48	Measurement of the Two-Halo Neutron Transfer Reaction $\text{H}^1(\text{Li}^{11},\text{Li}^9)\text{H}^3$ at 3AMeV	ELIZABETH PADILLA RODAL Tanihata I. Alcorta M. et al.	PHYSICAL REVIEW LETTERS	2008
49	Coulomb excitation of radioactive Na^{21} and its stable mirror Ne^{21}	ELIZABETH PADILLA RODAL Schumaker M.A. Cline D. et al.	PHYSICAL REVIEW C	2008
50	Attosecond time delays in heavy-ion induced fission measured by crystal blocking	ELIZABETH PADILLA RODAL Andersen J.U. Chevallier J. et al.	PHYSICAL REVIEW C	2008
51	TRIUMF-ISAC Gamma-Ray Escape-Suppressed Spectrometer (TIGRESS): a versatile tool for radioactive beam physics	ELIZABETH PADILLA RODAL Ball G.C. Andreyev A. et al.	NUCLEAR PHYSICS A	2007
52	Pushing the limits of accelerator mass spectrometry	BEATRIZ ELIZABETH FUENTES MADARIAGA ELIZABETH PADILLA RODAL Galindo-Uribarri A. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2007
53	Recent progress in the development of a polarized proton target for reactions with radioactive ion beams	ELIZABETH PADILLA RODAL Urrego-Blanco J.P. Bingham C.R. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2007

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54	The TRIUMF nuclear structure program and TIGRESS	ELIZABETH PADILLA RODAL Garrett P.E. Andreyev A. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2007
55	Nuclear structure research at TRIUMF	ELIZABETH PADILLA RODAL Garrett P.E. Andreyev A. et al.	ACTA PHYSICA POLONICA B	2007
56	Crystal blocking measurements of the time delay of fission induced by S32, Ti48, and Ni58 bombardment of W	ELIZABETH PADILLA RODAL Andersen J.U. Chevallier J. et al.	PHYSICAL REVIEW LETTERS	2007
57	IBM-2 configuration mixing and its geometric interpretation for germanium isotopes	ELIZABETH PADILLA RODAL OCTAVIO HECTOR CASTAÑOS GARZA ROELOF BIJKER et al.	REVISTA MEXICANA DE FISICA	2006
58	Erratum: IBM-2 configuration mixing and its geometric interpretation for germanium isotopes (Revista Mexicana de Física (2006) 52:1 (57))	ELIZABETH PADILLA RODAL OCTAVIO HECTOR CASTAÑOS GARZA ROELOF BIJKER et al.	REVISTA MEXICANA DE FISICA	2006
59	B(E2)? measurements for radioactive neutron-rich Ge isotopes: Reaching the N= 50 closed shell	ELIZABETH PADILLA RODAL ROELOF BIJKER OCTAVIO HECTOR CASTAÑOS GARZA et al.	PHYSICAL REVIEW LETTERS	2005
60	Coulomb excitation measurements of transition strengths in the isotopes 132, 134Sn	ELIZABETH PADILLA RODAL Varner R.L. Beene J.R. et al.	EUROPEAN PHYSICAL JOURNAL A	2005
61	Coulomb excitation studies of 132,134Sn	ELIZABETH PADILLA RODAL Beene J.R. Varner R.L. et al.	NUCLEAR PHYSICS A	2004



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LIBROS Y CAPITULOS CON ISBN

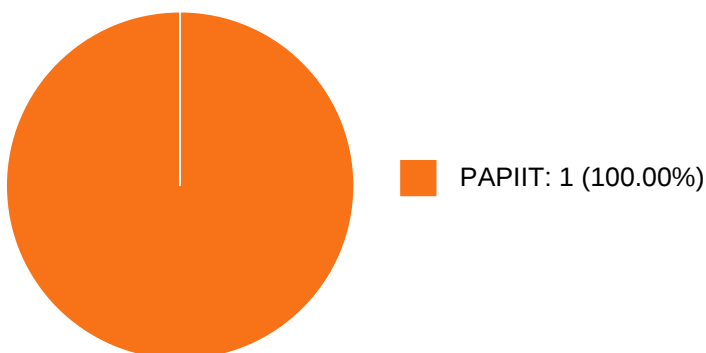
No se encuentran registros en la base de datos de Humanindex asociados a:

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

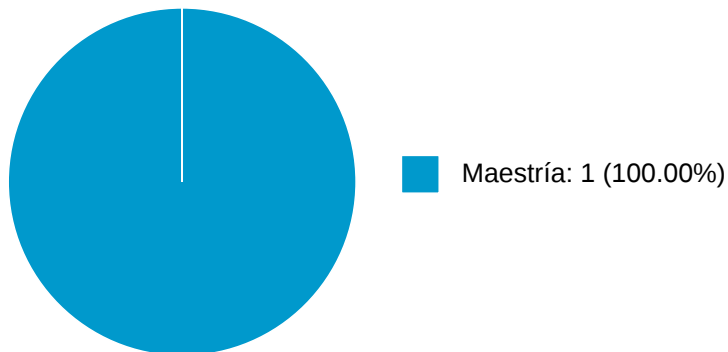


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Excitación coulombiana de núcleos radioactivos y estables en la región de masa A-80.	ELIZABETH PADILLA RODAL	Recursos PAPIIT	01-01-2018	31-12-2020

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

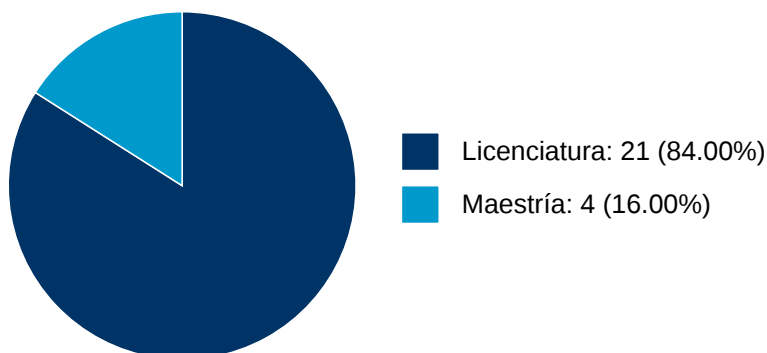


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Medición de momentos cuadrupolares de estados nucleares excitados utilizando el efecto de reorientación en excitación coulombiana	Tesis de Maestría	ELIZABETH PADILLA RODAL,	García Ruíz, Ronald Fernando,	Dirección General de Asuntos del Personal Académico,	2011

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	24	2024-1
2	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	40	2023-2
3	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	31	2023-1
4	Licenciatura	MECANICA ANALITICA	Facultad de Ciencias	10	2022-2
5	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	17	2022-1
6	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	26	2021-2
7	Licenciatura	MECANICA CUANTICA	Facultad de Ciencias	21	2021-1
8	Licenciatura	MECANICA CUANTICA	Facultad de Ciencias	16	2020-2
9	Licenciatura	MECANICA CUANTICA	Facultad de Ciencias	7	2020-1
10	Licenciatura	MECANICA ANALITICA	Facultad de Ciencias	39	2019-2
11	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	14	2019-1
12	Licenciatura	MECANICA ANALITICA	Facultad de Ciencias	44	2018-2
13	Licenciatura	MECANICA ANALITICA	Facultad de Ciencias	37	2017-2
14	Licenciatura	MECANICA ANALITICA	Facultad de Ciencias	13	2017-1
15	Licenciatura	TEM.SELEC.DE FISICA NUCLEAR I	Facultad de Ciencias	4	2014-2
16	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	12	2014-1
17	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	9	2012-2
18	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	6	2012-1
19	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	19	2011-2
20	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Ciencias Nucleares	1	2011-1
21	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Ciencias Nucleares	1	2011-1



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22	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Ciencias Nucleares	1	2010-2
23	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	9	2010-2
24	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	12	2009-1
25	Maestría	FISICA NUCLEAR	Instituto de Ciencias Nucleares	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