



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



MARIO GUSTAVO ORDAZ SCHROEDER

Datos Generales

Nombre: MARIO GUSTAVO ORDAZ SCHROEDER

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 39 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo
Instituto de Ingeniería
Desde 16-06-2008

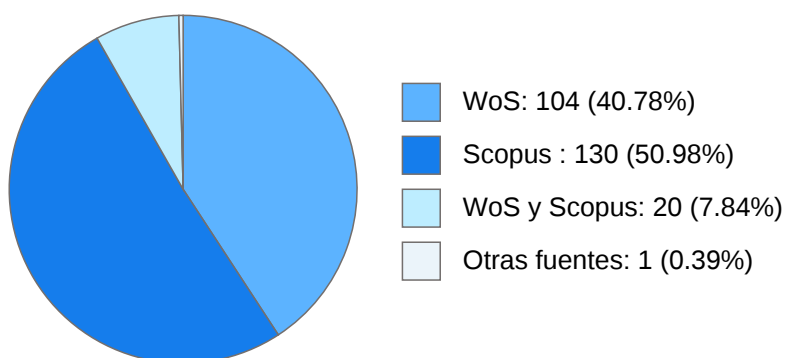
Estímulos, programas, premios y reconocimientos

SNI III - VIGENTE
PRIDE D - 2024
PASPA Estancias Sabáticas 2016 - 2017
RDUNJA Innovación tecnológica y diseño industrial 1994
PUN Innovación tecnológica y diseño industrial 2014

MARIO GUSTAVO ORDAZ SCHROEDER

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Strong Ground Motion during the 8 September 2021 (Mw7.0) Acapulco Earthquake: Rupture Directivity and its Effect on Simulated Motions in Mexico City from Postulated Mw 7.5–8.0 Earthquakes	MARIO GUSTAVO ORDAZ SCHROEDER ARTURO IGLESIAS MENDOZA Danny Arroyo et al.	GEOFISICA INTERNACIONAL	2025
2	Ground Motion in Mexico City During the Intralab Earthquake of 19 September 2017 (Mw 7.1) Revisited	MARIO GUSTAVO ORDAZ SCHROEDER XYOLI PEREZ CAMPOS VICTOR HUGO ESPINDOLA CASTRO et al.	GEOFISICA INTERNACIONAL	2025
3	Estimating emergency costs for earthquakes and floods in Central Asia based on modelled losses	MARIO GUSTAVO ORDAZ SCHROEDER Salgado-Gálvez M.A. Avelar C. et al.	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	2024
4	Prediction of Fourier Amplitude Spectrum of Ground Motion in Mexico City from Subduction Thrust Earthquakes	MARIO GUSTAVO ORDAZ SCHROEDER SHRI KRISHNA SINGH SINGH Danny Arroyo	GEOFISICA INTERNACIONAL	2024
5	A PSHA for Mexico City based solely in Fourier-based GMM of the response spectra	MARIO GUSTAVO ORDAZ SCHROEDER SHRI KRISHNA SINGH SINGH Salgado-Gálvez M.A. et al.	SOIL DYNAMICS AND EARTHQUAKE ENGINEERING	2024

MARIO GUSTAVO ORDAZ SCHROEDER

6	Development of a regionally consistent and fully probabilistic earthquake risk model for Central Asia	MARIO GUSTAVO ORDAZ SCHROEDER Ulugbek T. Begaliev Georgios Triantafyllou et al.	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	2024
7	Event-based probabilistic liquefaction hazard analysis for defining soil acceptance criteria	MARIO GUSTAVO ORDAZ SCHROEDER EFRAIN OVANDO SHELLEY Salgado-Gálvez M.A. et al.	SOIL DYNAMICS AND EARTHQUAKE ENGINEERING	2023
8	A Caribbean and Central America Seismic Hazard Model for Sovereign Parametric Insurance Coverage	MARIO GUSTAVO ORDAZ SCHROEDER SHRI KRISHNA SINGH SINGH XYOLI PEREZ CAMPOS et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2023
9	A Seismological Study of the Michoacán-Colima, Mexico, Earthquake of 19 September 2022 (M _w 7.6)	MARIO GUSTAVO ORDAZ SCHROEDER CARLOS MENDOZA RAUL DANIEL CORONA FERNANDEZ et al.	GEOFISICA INTERNACIONAL	2023
10	Time domain deconvolution in nonlinear elastoplastic soil deposits	MARIO GUSTAVO ORDAZ SCHROEDER Mánica M.A. Pinzón L.A. et al.	SOIL DYNAMICS AND EARTHQUAKE ENGINEERING	2023
11	Review and comparison of different strategies to define earthquake design accelerations	MARIO GUSTAVO ORDAZ SCHROEDER Cardona O.D. Salgado-Gálvez M.A.	EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS	2023
12	Inclusion of site-effects: An approach coherent with contemporary event-based PSHA practices	MARIO GUSTAVO ORDAZ SCHROEDER LUIS ANTONIO OSORIO CRUZ Mánica M.A. et al.	SOIL DYNAMICS AND EARTHQUAKE ENGINEERING	2022
13	Propagation of epistemic uncertainty in magnitude-frequency relations through PSHA using predictive distributions	MARIO GUSTAVO ORDAZ SCHROEDER Danny Arroyo	EARTHQUAKE SPECTRA	2022
14	Risk caused by the propagation of earthquake losses through the economy	JESUS ALBERTO LEON FLORES MARIO GUSTAVO ORDAZ SCHROEDER I. F. Araujo et al.	NATURE COMMUNICATIONS	2022
15	R-CRISIS: 35 years of continuous developments and improvements for probabilistic seismic hazard analysis	MARIO GUSTAVO ORDAZ SCHROEDER Salgado-Gálvez M.A. Giraldo S.	BULLETIN OF EARTHQUAKE ENGINEERING	2021
16	Simple rules for choosing fault planes in almost real-time post-earthquake loss assessments	MARIO GUSTAVO ORDAZ SCHROEDER SHRI KRISHNA SINGH SINGH XYOLI PEREZ CAMPOS et al.	NATURAL HAZARDS	2020
17	OBSERVED SEISMIC INTENSITIES AND DAMAGE PATTERN IN CENTRAL MEXICO DURING INTRASLAB EARTHQUAKES OF 1999 (M _w 6.9) AND 2017 (M _w 7.1)	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER ROBERTO MELI PIRALLA et al.	GEOFISICA INTERNACIONAL	2020

MARIO GUSTAVO ORDAZ SCHROEDER

18	Lessons from a small local earthquake (Mw3.2) that produced the highest acceleration ever recorded in Mexico City	SHRI KRISHNA SINGH SINGH LUIS QUINTANAR ROBLES VICTOR MANUEL CRUZ ATIENZA et al.	Seismological Research Letters	2020
19	Comment on ?do directionality effects influence expected damage? A case study of the 2017 central Mexico earthquake? by luis a. pinzón, luis g. pujades, sergio a. díaz, and rodrigo e. alva	EDUARDO REINOSO ANGULO MARIO GUSTAVO ORDAZ SCHROEDER AMADOR TERAN GILMORE et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2020
20	Scaling of Peak Ground Displacement with Seismic Moment above the Mexican Subduction Thrust	SHRI KRISHNA SINGH SINGH XYOLI PEREZ CAMPOS MARIO GUSTAVO ORDAZ SCHROEDER et al.	Seismological Research Letters	2020
21	Observed damage in public school buildings during the 2017 Mexico earthquakes	SERGIO MANUEL ALCOCER MARTINEZ DE CASTRO DAVID MURIA VILA MARIO GUSTAVO ORDAZ SCHROEDER et al.	EARTHQUAKE SPECTRA	2020
22	Discussion of ?joint maximum likelihood estimators for Gutenberg-Richter parameters ? 0 and β using subcatalogs?	MARIO GUSTAVO ORDAZ SCHROEDER Giraldo S.	EARTHQUAKE SPECTRA	2019
23	A probabilistic approach for seismic risk assessment based on vulnerability functions. Application to Barcelona	MARIO GUSTAVO ORDAZ SCHROEDER Aguilar-Meléndez A. Pujades L.G. et al.	BULLETIN OF EARTHQUAKE ENGINEERING	2019
24	Reduction of matched and unmatched uncertainties for a class of nonlinear perturbed systems via robust control	MARIO GUSTAVO ORDAZ SCHROEDER Ordaz P. Cuvas C. et al.	INTERNATIONAL JOURNAL OF ROBUST AND NONLINEAR CONTROL	2019
25	Considering the impacts of simultaneous perils: The challenges of integrating earthquake and tsunamigenic risk	MARIO GUSTAVO ORDAZ SCHROEDER Avelar C. Rodríguez J.C. et al.	DISASTER PREVENTION AND MANAGEMENT	2019
26	The RED-ERN pan-European probabilistic earthquake risk assessment model	EDUARDO REINOSO ANGULO MARIO GUSTAVO ORDAZ SCHROEDER Anelli E. et al.	Proceedings Of The International Conference On Natural Hazards And Infrastructure	2019
27	Modelling correlation between Gutenberg-Richter parameters a and b in PSHA	MARIO GUSTAVO ORDAZ SCHROEDER Faccioli E.	BULLETIN OF EARTHQUAKE ENGINEERING	2018

MARIO GUSTAVO ORDAZ SCHROEDER

28	Ground-Motion Simulation by the Empirical Green's Function Method with a Source Defined by Two Corner Frequencies and a Two-Stage Summation Scheme	MAURO POMPEYO NIÑO LAZARO AMADO GUSTAVO AYALA MILIAN MARIO GUSTAVO ORDAZ SCHROEDER	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2018
29	Joint Maximum Likelihood Estimators for Gutenberg-Richter Parameters $\lambda(0)$ and β Using Subcatalogs	MARIO GUSTAVO ORDAZ SCHROEDER Giraldo S.	EARTHQUAKE SPECTRA	2018
30	Latin American and Caribbean earthquakes in the GEM's Earthquake Consequences Database (GEMECD)	MARIO GUSTAVO ORDAZ SCHROEDER Omar-Dario Cardona Mario A. Salgado-Gálvez et al.	NATURAL HAZARDS	2018
31	An analytical solution for the Bayesian estimation of ground motion from macroseismic intensity data	MARIO GUSTAVO ORDAZ SCHROEDER Paolo Bazzurro Emilia Fiorini	BULLETIN OF EARTHQUAKE ENGINEERING	2018
32	Deadly intraslab Mexico earthquake of 19 September 2017 (Mw 7.1): Ground motion and damage pattern in Mexico City	SHRI KRISHNA SINGH SINGH EDUARDO REINOSO ANGULO MARIO GUSTAVO ORDAZ SCHROEDER et al.	Seismological Research Letters	2018
33	Reply to Authors on ?Assessment of earthquake damage considering the characteristics of past events in South America?	MARIO GUSTAVO ORDAZ SCHROEDER Salgado-Gálvez M.A. Cardona O.D.	SOIL DYNAMICS AND EARTHQUAKE ENGINEERING	2018
34	Sensitivity Analysis of Seismic Parameters in the Probabilistic Seismic Hazard Assessment (PSHA) for Barcelona Applying the New R-CRISIS	MARIO GUSTAVO ORDAZ SCHROEDER Armando Aguilar-Melendez Josep De la Puente et al.	COMPUTACION Y SISTEMAS	2018
35	High-Resolution Early Earthquake Damage Assessment System for Mexico City Based on a Single-Station	MARIO GUSTAVO ORDAZ SCHROEDER EDUARDO REINOSO ANGULO MIGUEL ANGEL JAIMES TELLEZ et al.	GEOFISICA INTERNACIONAL	2017
36	Ultimate uniform bounded-stability of inertial coupling electromechanical system via nonlinear time-varying feedback	MARIO GUSTAVO ORDAZ SCHROEDER Ordaz P.	INTERNATIONAL JOURNAL OF CONTROL	2017
37	Development and validation of software CRISIS to perform probabilistic seismic hazard assessment with emphasis on the recent CRISIS2015	MARIO GUSTAVO ORDAZ SCHROEDER Aguilar-Meléndez A. De La Puente J. et al.	COMPUTACION Y SISTEMAS	2017
38	When probabilistic seismic hazard climbs volcanoes: the Mt. Etna case, Italy - Part 2: Computational implementation and first results	MARIO GUSTAVO ORDAZ SCHROEDER Peruzza, Laura Azzaro, Raffaele et al.	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	2017
39	Optimum Earthquake Design Coefficients Based on Probabilistic Seismic Hazard Analyses: Theory and Applications	MARIO GUSTAVO ORDAZ SCHROEDER LUIS EDUARDO PEREZ ROCHA Mario A. Salgado-Gálvez et al.	EARTHQUAKE SPECTRA	2017

MARIO GUSTAVO ORDAZ SCHROEDER

40	GEOFISICA INTERNACIONAL SPECIAL VOLUME ON THE 30TH ANNIVERSARY OF THE 19 SEPTEMBER 1985 EARTHQUAKE	GERARDO SUAREZ REYNOSO MARIO GUSTAVO ORDAZ SCHROEDER LUIS QUINTANAR ROBLES	GEOFISICA INTERNACIONAL	2017
41	A probabilistic seismic hazard assessment of the Trans-Mexican Volcanic Belt, Mexico based on historical and instrumentally recorded seismicity	JOSE ANTONIO BAYONA VIVEROS GERARDO SUAREZ REYNOSO MARIO GUSTAVO ORDAZ SCHROEDER	GEOFISICA INTERNACIONAL	2017
42	An earthquake-event-based method for mapping tsunami hazards	MIGUEL ANGEL JAIMES TELLEZ EDUARDO REINOSO ANGULO MARIO GUSTAVO ORDAZ SCHROEDER et al.	PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-MARITIME ENGINEERING	2016
43	On uncertainties in probabilistic seismic hazard analysis	MARIO GUSTAVO ORDAZ SCHROEDER Arroyo, Danny	EARTHQUAKE SPECTRA	2016
44	A new approach to probabilistic earthquake-induced tsunami risk assessment	MIGUEL ANGEL JAIMES TELLEZ EDUARDO REINOSO ANGULO MARIO GUSTAVO ORDAZ SCHROEDER et al.	OCEAN & COASTAL MANAGEMENT	2016
45	Combination rule for critical structural response in soft soil	MARIO GUSTAVO ORDAZ SCHROEDER ValdesGonzalez, Jesus DelaColina Martinez, Jaime	ENGINEERING STRUCTURES	2015
46	The 6 September 1997 (Mw4.5) Coatzacoalcas-Minatitlan, Veracruz, Mexico earthquake: Implications for tectonics and seismic hazard of the region	SHRI KRISHNA SINGH SINGH XYOLI PEREZ CAMPOS MARIO GUSTAVO ORDAZ SCHROEDER et al.	GEOFISICA INTERNACIONAL	2015
47	A simple probabilistic model to combine losses arising from the simultaneous occurrence of several hazards	MARIO GUSTAVO ORDAZ SCHROEDER	NATURAL HAZARDS	2015
48	Event-based approach for probabilistic agricultural drought risk assessment under rainfed conditions	MIGUEL ANGEL JAIMES TELLEZ MARCO AURELIO TORRES HERRERA EDUARDO REINOSO ANGULO et al.	NATURAL HAZARDS	2015
49	The 6 September 1997 (M(w)4.5) Coatzacoalcas-Minatitlan, Veracruz, Mexico earthquake: implications for tectonics and seismic hazard of the region	SHRI KRISHNA SINGH SINGH XYOLI PEREZ CAMPOS MARIO GUSTAVO ORDAZ SCHROEDER et al.	GEOFISICA INTERNACIONAL	2015
50	Intraslab versus interplate earthquakes as recorded in Mexico City: Implications for seismic hazard	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER XYOLI PEREZ CAMPOS et al.	EARTHQUAKE SPECTRA	2015

MARIO GUSTAVO ORDAZ SCHROEDER

51	Seismic loss estimation and environmental issues	MARIO GUSTAVO ORDAZ SCHROEDER Arroyo, Danny TeranGilmore, Amador	EARTHQUAKE SPECTRA	2015
52	Damage severity estimation of an elastoplastic single-degree-of-freedom oscillator from its ground and response accelerations	MARIO GUSTAVO ORDAZ SCHROEDER Castellanos, F.	STRUCTURAL CONTROL & HEALTH MONITORING	2014
53	Evaluation of the intensity measure approach in performance-based earthquake engineering with simulated ground motions	Arturo Quiroz Ramirez MARIO GUSTAVO ORDAZ SCHROEDER Arroyo, Danny et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2014
54	On the selection of ground-motion prediction equations for probabilistic seismic-hazard analysis	MARIO GUSTAVO ORDAZ SCHROEDER RAUL RUEDA DIAZ DEL CAMPO Arroyo, Danny	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2014
55	Reply to "Comment on 'Estimation of Ground Motion in Mexico City from a Repeat of the M similar to 7.0 Acambay Earthquake of 1912' by S. K. Singh, A. Iglesias, M. Ordaz, X. Perez-Campos, and L. Quintanar" by M. Suter	SHRI KRISHNA SINGH SINGH ARTURO IGLESIAS MENDOZA MARIO GUSTAVO ORDAZ SCHROEDER et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2014
56	Probabilistic seismic hazard assessment at global level	MARIO GUSTAVO ORDAZ SCHROEDER SHRI KRISHNA SINGH SINGH Zuloaga-Romero D. et al.	INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION	2014
57	Event-based approach for probabilistic flood risk assessment	MARCO AURELIO TORRES HERRERA EDUARDO REINOSO ANGULO MARIO GUSTAVO ORDAZ SCHROEDER et al.	International Journal Of River Basin Management	2014
58	Global risk assessment: A fully probabilistic seismic and tropical cyclone wind risk assessment	MARIO GUSTAVO ORDAZ SCHROEDER González D. Yamín L. et al.	INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION	2014
59	Databases and software for financial risk assessment in Mexico	EDUARDO REINOSO ANGULO MARIO GUSTAVO ORDAZ SCHROEDER Jaimes M.A. et al.	Ncee 2014 - 10th U.S. National Conference On Earthquake Engineering: Frontiers Of Earthquake Engineering	2014

MARIO GUSTAVO ORDAZ SCHROEDER

60	High-Resolution Seismic Hazard Analysis in a Complex Geological Configuration: The Case of the Sulmona Basin in Central Italy	MARIO GUSTAVO ORDAZ SCHROEDER Villani, Manuela Faccioli, Ezio et al.	EARTHQUAKE SPECTRA	2014
61	Evaluation of the change in dominant periods in the lake-bed zone of Mexico City produced by ground subsidence through the use of site amplification factors	MARIO GUSTAVO ORDAZ SCHROEDER EFRAIN OVANDO SHELLEY Juan C. Guasch et al.	SOIL DYNAMICS AND EARTHQUAKE ENGINEERING	2013
62	CRISIS2008: A flexible tool to perform probabilistic seismic hazard assessment	MARIO GUSTAVO ORDAZ SCHROEDER Martinelli, F. D'Amico, V. et al.	Seismological Research Letters	2013
63	Probabilistic earthquake risk assessment using CAPRA: Application to the city of Barcelona, Spain	MARIO GUSTAVO ORDAZ SCHROEDER Marulanda, Mabel C. Carreno, Martha L. et al.	NATURAL HAZARDS	2013
64	Software engineering's contribution to earthquake engineering	MARIO GUSTAVO ORDAZ SCHROEDER Abigail, Zamora-Hernandez Gloria Ines, Gonzalez-Lopez et al.	EARTH SCIENCES RESEARCH JOURNAL	2013
65	Estimating tsunami potential of earthquakes in the Sumatra-Andaman region based on broadband seismograms in India	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER Pacheco, J. F. et al.	NATURAL HAZARDS	2012
66	A source study of the October, 2007 earthquake sequence of Morelia, Mexico and ground-motion estimation from larger earthquakes in the region	SHRI KRISHNA SINGH SINGH ARTURO IGLESIAS MENDOZA LUIS QUINTANAR ROBLES et al.	GEOFISICA INTERNACIONAL	2012
67	On the forecasting of ground-motion parameters for probabilistic seismic hazard analysis	MARIO GUSTAVO ORDAZ SCHROEDER Arroyo D.	EARTHQUAKE SPECTRA	2011
68	Estimation of Ground Motion in Mexico City from a Repeat of the M similar to 7.0 Acambay Earthquake of 1912	SHRI KRISHNA SINGH SINGH ARTURO IGLESIAS MENDOZA MARIO GUSTAVO ORDAZ SCHROEDER et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2011
69	Amplification of Seismic Waves in the Central Indo-Gangetic Basin, India	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER Srinagesh, D. et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2011
70	Seismic Fragility Formulations for Segmented Buried Pipeline Systems Including the Impact of Differential Ground Subsidence	MARIO GUSTAVO ORDAZ SCHROEDER Pineda-Porras, Omar	JOURNAL OF PIPELINE SYSTEMS ENGINEERING AND PRACTICE	2010

MARIO GUSTAVO ORDAZ SCHROEDER

71	Intraslab Mexican earthquakes of 27 April 2009 (Mw5.8) and 22 May 2009 (Mw5.6): a source and ground motion study	XYOLI PEREZ CAMPOS SHRI KRISHNA SINGH SINGH ARTURO IGLESIAS MENDOZA et al.	GEOFISICA INTERNACIONAL	2010
72	Multivariate Bayesian Regression Analysis Applied to Ground-Motion Prediction Equations, Part 1: Theory and Synthetic Example	MARIO GUSTAVO ORDAZ SCHROEDER Arroyo, Danny	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2010
73	Multivariate Bayesian Regression Analysis Applied to Ground-Motion Prediction Equations, Part 2: Numerical Example with Actual Data	MARIO GUSTAVO ORDAZ SCHROEDER Arroyo, Danny	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2010
74	Disaster risk from a macroeconomic perspective: a metric for fiscal vulnerability evaluation	MARIO GUSTAVO ORDAZ SCHROEDER Cardona, Omar D. Marulanda, Mabel C. et al.	Disasters	2010
75	Strong ground-motion relations for Mexican interplate earthquakes	Daniel Garcia MARIO GUSTAVO ORDAZ SCHROEDER Mauricio Alexander Mora et al.	JOURNAL OF SEISMOLOGY	2010
76	Delhi earthquake of 25 November 2007 (M-w 4.1): implications for seismic hazard	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER J. F. Pacheco et al.	CURRENT SCIENCE	2010
77	Source study of two small earthquakes of Delhi, India, and estimation of ground motion from future moderate, local events	SHRI KRISHNA SINGH SINGH J. F. Pacheco MARIO GUSTAVO ORDAZ SCHROEDER et al.	JOURNAL OF SEISMOLOGY	2009
78	Spectral Attenuation Relations at Soft Sites Based on Existing Attenuation Relations for Rock Sites	ARTURO PALACIO PEREZ MIGUEL ANGEL JAIME VASCONCELOS MARIO GUSTAVO ORDAZ SCHROEDER	JOURNAL OF EARTHQUAKE ENGINEERING	2009
79	Inslab Earthquakes of Central Mexico: Peak Ground-Motion Parameters and Response Spectra (vol 95, pg 2272, 2005)	Daniel Garcia SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2009
80	Influence of subduction zone structure on coastal and inland attenuation in Mexico	Daniel Garcia SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER et al.	GEOPHYSICAL JOURNAL INTERNATIONAL	2009
81	Updated Seismic Design Guidelines for Model Building Code of Mexico	MARIO GUSTAVO ORDAZ SCHROEDER Ivan Vilar, Jorge Aviles, Javier et al.	EARTHQUAKE SPECTRA	2009
82	Empirical Green's functions modified by attenuation for sources located at intermediate and far distances from the original source	MIGUEL ANGEL JAIME VASCONCELOS EDUARDO REINOSO ANGULO MARIO GUSTAVO ORDAZ SCHROEDER	JOURNAL OF EARTHQUAKE ENGINEERING	2008
83	Earthquake loss assessment for integrated disaster risk management	MARIO GUSTAVO ORDAZ SCHROEDER Cardona, Omar D. Yamin, Luis E. et al.	JOURNAL OF EARTHQUAKE ENGINEERING	2008

MARIO GUSTAVO ORDAZ SCHROEDER

84	Estimation of Probabilistic seismic losses and the public economic resilience - An approach for a macroeconomic impact evaluation	MARIO GUSTAVO ORDAZ SCHROEDER Cardona, Omar D. Marulanda, Mabel C. et al.	JOURNAL OF EARTHQUAKE ENGINEERING	2008
85	Inelastic-strength spectra in probabilistic seismic-hazard analysis	MARIO GUSTAVO ORDAZ SCHROEDER Arroyo D.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2007
86	Hysteretic energy demands for SDOF systems subjected to narrow band earthquake ground motions. Applications to the lake bed zone of Mexico city	MARIO GUSTAVO ORDAZ SCHROEDER Arroyo D.	JOURNAL OF EARTHQUAKE ENGINEERING	2007
87	Use of corrected sinusoidal pulses to estimate inelastic demands of elasto-perfectly plastic oscillators subjected to narrow-band motions	MARIO GUSTAVO ORDAZ SCHROEDER Arroyo D.	JOURNAL OF EARTHQUAKE ENGINEERING	2007
88	A new seismic intensity parameter to estimate damage in buried pipelines due to seismic wave propagation	MARIO GUSTAVO ORDAZ SCHROEDER Pineda-Porras O.	JOURNAL OF EARTHQUAKE ENGINEERING	2007
89	Q of Lg waves in the central Mexican volcanic belt	SHRI KRISHNA SINGH SINGH ARTURO IGLESIAS MENDOZA MARIO GUSTAVO ORDAZ SCHROEDER et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2007
90	A report on the Atoyac, Mexico, Earthquake of 13 April 2007 (Mw 5.9)	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER LEONARDO ALCANTARA NOLASCO et al.	Seismological Research Letters	2007
91	On the estimation of hysteretic energy demands for SDOF systems	MARIO GUSTAVO ORDAZ SCHROEDER Arroyo D.	EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS	2007
92	Comparison of methods to predict response spectra at instrumented sites given the magnitude and distance of an earthquake	MIGUEL ANGEL JAIMES TELLEZ EDUARDO REINOSO ANGULO MARIO GUSTAVO ORDAZ SCHROEDER	JOURNAL OF EARTHQUAKE ENGINEERING	2006
93	Comparison of methods to predict response spectra at instrumented sites given the magnitude and distance of an earthquake	MARIO GUSTAVO ORDAZ SCHROEDER Jaimes M.A. Reinoso E.	JOURNAL OF EARTHQUAKE ENGINEERING	2006

MARIO GUSTAVO ORDAZ SCHROEDER

94	Space-time clustering of large thrust earthquakes along the Mexican subduction zone: An evidence of source stress interaction	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER Santoyo M.A. et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2005
95	Inslab earthquakes of Central Mexico: Peak ground-motion parameters and response spectra	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER García D. et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2005
96	The great Sumatra-Andaman earthquake of 2004: Regional broadband seismograms from India	SHRI KRISHNA SINGH SINGH ARTURO IGLESIAS MENDOZA MARIO GUSTAVO ORDAZ SCHROEDER et al.	Seismological Research Letters	2005
97	Inslab earthquakes of Central Mexico: Q, source spectra, and stress drop	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER García D. et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2004
98	Some integrals useful in probabilistic seismic hazard analysis	MARIO GUSTAVO ORDAZ SCHROEDER	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2004
99	66 Advances in seismology with impact on earthquake engineering	MARIO GUSTAVO ORDAZ SCHROEDER Pacheco J.F. Singh S.K.	International Geophysics	2003
100	Exact computation of input-energy spectra from Fourier amplitude spectra	MARIO GUSTAVO ORDAZ SCHROEDER EDUARDO REINOSO ANGULO Huerta B.	EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS	2003
101	Estimation of ground motion for Bhuj (26 January 2001; Mw 7.6 and for future earthquakes in India	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER Bansal B.K. et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2003
102	Near-trench Mexican earthquakes have anomalously low peak accelerations	ARTURO IGLESIAS MENDOZA SHRI KRISHNA SINGH SINGH LEONARDO ALCANTARA NOLASCO et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2003
103	Seismic Vulnerability Function for High-Diameter Buried Pipelines: Mexico City's Primary Water System Case	MARIO GUSTAVO ORDAZ SCHROEDER Pineda-Porras O.	Proceedings Of The Asce International Conference On Pipeline Engineering And Construction: New Pipeline Technolog	2003

MARIO GUSTAVO ORDAZ SCHROEDER

104	A source and wave propagation study of the Copalillo, Mexico, earthquake of 21 July 2000 (Mw 5.9): Implications for seismic hazard in Mexico City from inslab earthquakes	ARTURO IGLESIAS MENDOZA SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2002
105	Duration of strong ground motion during Mexican earthquakes in terms of magnitude, distance to the rupture area and dominant site period	MARIO GUSTAVO ORDAZ SCHROEDER EDUARDO REINOSO ANGULO	EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS	2001
106	A simple source inversion scheme for displacement seismograms recorded at short distances	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER Pacheco J.F. et al.	JOURNAL OF SEISMOLOGY	2000
107	Source time function and duration of Mexican earthquakes	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER VLADIMIR KOSTOGLODOV et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2000
108	The Oaxaca earthquake of 30 September 1999 (Mw = 7.5): A normal-faulting event in the subducted cocos plate	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER LEONARDO ALCANTARA NOLASCO et al.	Seismological Research Letters	2000
109	A preliminary report on the Tehuacán, México earthquake of June 15, 1999 (Mw = 7.0)	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER LEONARDO ALCANTARA NOLASCO et al.	Seismological Research Letters	1999
110	Spectral ratios for Mexico City from free-field recordings	MARIO GUSTAVO ORDAZ SCHROEDER EDUARDO REINOSO ANGULO	EARTHQUAKE SPECTRA	1999
111	A spectral analysis of the 21 May 1997, Jabalpur, India, earthquake (Mw = 5.8) and estimation of ground motion from future earthquakes in the Indian shield region	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER Dattatrayam R.S. et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	1999
112	Earthquake hazard in Mexico City: Observations versus computations	MARIO GUSTAVO ORDAZ SCHROEDER Reyes C.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	1999
113	Estimation of strength-reduction factors for elastoplastic systems: a new approach	MARIO GUSTAVO ORDAZ SCHROEDER Pérez-Rocha L.E.	EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS	1998

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114	Implications of a composite source model and seismic-wave attenuation for the observed simplicity of small earthquakes and reported duration of earthquake initiation phase	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER CARLOS MIGUEL VALDES GONZALEZ et al.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	1998
115	Analysis of the Granada (Spain) earthquake of 24 June, 1984 ($M = 5$) with emphasis on seismic hazard in the Granada Basin	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER Morales J.	Tectonophysics	1996
116	The great Mexican earthquake of 19 June 1858: Expected ground motions and damage in Mexico City from a similar future event	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER Pérez-Rocha L.E.	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	1996
117	The Copala, Guerrero, Mexico earthquake of September 14, 1995 ($M_w = 7.4$): a preliminary report	SHRI KRISHNA SINGH SINGH JAVIER FRANCISCO LERMO SAMANIEGO JULIO CESAR CUENCA SANCHEZ et al.	Seismological Research Letters	1995
118	A scheme of random summation of an empirical Green's function to estimate ground motions from future large earthquakes	MARIO GUSTAVO ORDAZ SCHROEDER SHRI KRISHNA SINGH SINGH Arboleda J.	Bulletin - Seismological Society Of America	1995
119	Bayesian attenuation regressions: an application to Mexico City	MARIO GUSTAVO ORDAZ SCHROEDER SHRI KRISHNA SINGH SINGH MARIA ALEJANDRA ARCINIEGA CEBALLOS	GEOPHYSICAL JOURNAL INTERNATIONAL	1994
120	Seismic energy release in Mexican subduction zone earthquakes	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER	Bulletin - Seismological Society Of America	1994
121	Site response analysis in the valley of Mexico: selection of input motion and extent of non-linear soil behaviour	MARIO GUSTAVO ORDAZ SCHROEDER Faccioli E.	EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS	1994
122	Future ground motions in Mexico City	MARIO GUSTAVO ORDAZ SCHROEDER EDUARDO REINOSO ANGULO Rosenblueth E.	Tectonophysics	1993
123	Strong motion seismology in Mexico	SHRI KRISHNA SINGH SINGH MARIO GUSTAVO ORDAZ SCHROEDER	Tectonophysics	1993
124	Source spectra and spectral attenuation of seismic waves from Mexican earthquakes, and evidence of amplification in the hill zone of Mexico City	MARIO GUSTAVO ORDAZ SCHROEDER SHRI KRISHNA SINGH SINGH	Bulletin - Seismological Society Of America	1992

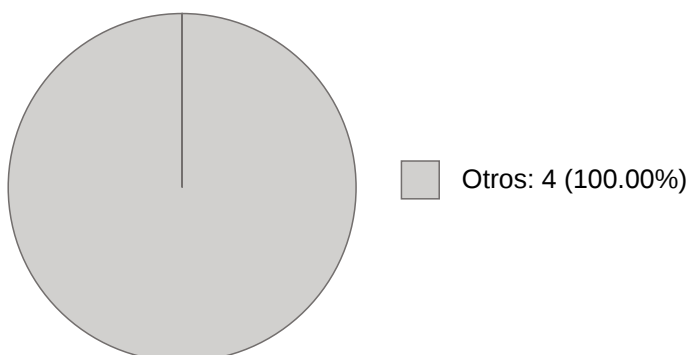
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125	A simple approximation to the Gaussian distribution	MARIO GUSTAVO ORDAZ SCHROEDER	STRUCTURAL SAFETY	1991
126	Maximum earthquake magnitude at fault	MARIO GUSTAVO ORDAZ SCHROEDER Rosenblueth E.	JOURNAL OF ENGINEERING MECHANICS	1990
127	Note on the fast computation of response spectra estimates	MARIO GUSTAVO ORDAZ SCHROEDER FRANCISCO JOSE SANCHEZ SESMA EDUARDO REINOSO ANGULO	Earthquake Engineering & Structural Dynamics	1990
128	Earthquake magnitude exceedance rate and self-similarity	MARIO GUSTAVO ORDAZ SCHROEDER Rosenblueth Emilio	Earthquake Engineering & Structural Dynamics	1989
129	Mexico City seismicity and design spectra	MARIO GUSTAVO ORDAZ SCHROEDER Suzuki S. Kiremidjian Anne S. et al.	No Identificado	1989
130	Mexico earthquake of September 19, 1985 – estimation of response spectra in the lake bed zone of the Valley of Mexico	MARIO GUSTAVO ORDAZ SCHROEDER SHRI KRISHNA SINGH SINGH EDUARDO REINOSO ANGULO et al.	EARTHQUAKE SPECTRA	1988
131	Mexico earthquake of September 19, 1985 – a study of amplification of seismic waves in the valley of Mexico with respect to a hill zone site	SHRI KRISHNA SINGH SINGH JAVIER FRANCISCO LERMO SAMANIEGO MARIO GUSTAVO ORDAZ SCHROEDER et al.	EARTHQUAKE SPECTRA	1988
132	On the use of probability concentrations	MARIO GUSTAVO ORDAZ SCHROEDER	STRUCTURAL SAFETY	1988
133	USE OF SEISMIC DATA FROM SIMILAR REGIONS.	MARIO GUSTAVO ORDAZ SCHROEDER Rosenblueth Emilio	Earthquake Engineering & Structural Dynamics	1987

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

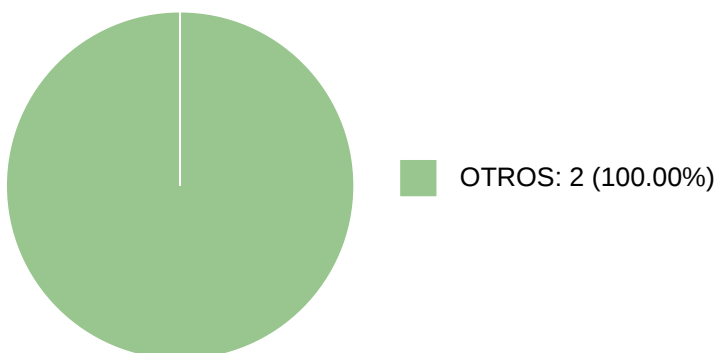


#	Título	Autores	Alcance	Año	ISBN
1	Seismic, tsunami and hurricane risk of hospitals in Mexico	MARCO ANTONIO MONTIEL ORTEGA MARIO GUSTAVO ORDAZ SCHROEDER Jaimes M.A.	Conferenc e Paper	2010	9781617388446
2	Updated attenuation laws in displacement and acceleration for the mexican pacific coast as the first step to improve current design spectra for base-isolated structures in Mexico	MARIO GUSTAVO ORDAZ SCHROEDER Gómez-Soberón C. Tena-Colunga A.	Conferenc e Paper	2006	9781615670444
3	Horizontal orthogonal seismic effects in soft soil	MARIO GUSTAVO ORDAZ SCHROEDER Valdés J. De-La-colina J.	Conferenc e Paper	2006	9781615670444
4	Estimation of the serviceability index in the Mexico City's water system due to future earthquakes	MARIO GUSTAVO ORDAZ SCHROEDER Pineda-Porras O.	Conferenc e Paper	2006	9781615670444

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

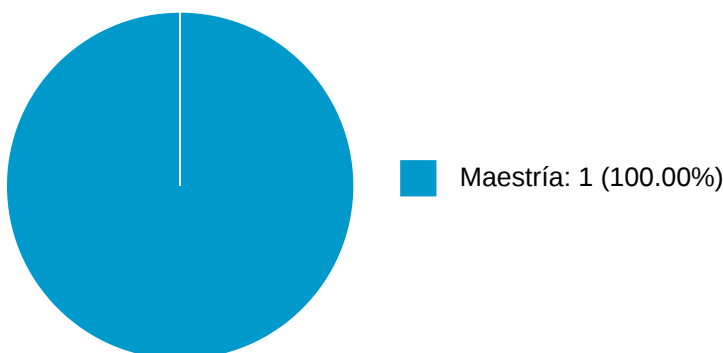


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Actualización de modelos de atenuación para CU y actualización de los cálculos de peligro sísmico para la CDMX.	MARIO GUSTAVO ORDAZ SCHROEDER	Sector Público (Federal, Estatal o Municipal)	14-01-2020	14-01-2021
2	Habilitación y mantenimiento del SASID.	MARIO GUSTAVO ORDAZ SCHROEDER	Sector Público (Federal, Estatal o Municipal)	14-01-2020	14-01-2021

MARIO GUSTAVO ORDAZ SCHROEDER

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

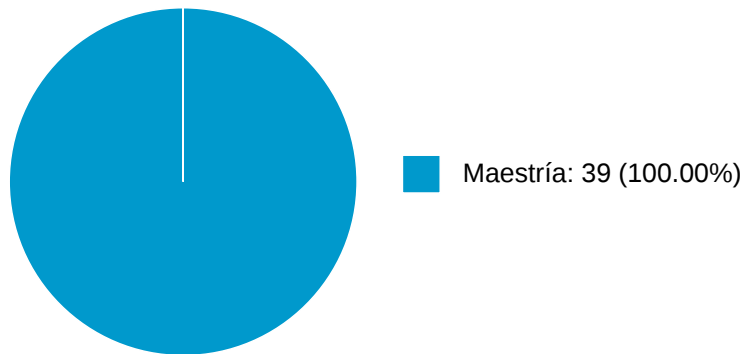


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Evaluación de la amenaza y el riesgo sísmico en el Sub-Sahara Africano	Tesis de Maestría	MARIO GUSTAVO ORDAZ SCHROEDER,	Giraldo Grisales, Sebastián,	Instituto de Ingeniería,	2017

MARIO GUSTAVO ORDAZ SCHROEDER

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TEMAS SELECTOS DE ESTRUCTURAS INGENIERÍA SÍSMICA II	Facultad de Ingeniería	2	2024-1
2	Maestría	TRABAJO DE INVESTIGACIÓN I	Facultad de Ingeniería	0	2023-2
3	Maestría	TEMAS SELECTOS DE ESTRUCTURAS INGENIERÍA SÍSMICA II	Facultad de Ingeniería	1	2023-1
4	Maestría	TEMAS SELECTOS DE ESTRUCTURAS	Facultad de Ingeniería	1	2022-1
5	Maestría	TEMAS SELECTOS DE ESTRUCTURAS INGENIERÍA SÍSMICA II	Facultad de Ingeniería	3	2021-1
6	Maestría	TEMAS SELECTOS DE ESTRUCTURAS INGENIERÍA SÍSMICA II	Facultad de Ingeniería	4	2019-1
7	Maestría	TEMAS SELECTOS DE ESTRUCTURAS, INGENIERIA SISMICA II	Facultad de Ingeniería	3	2018-1
8	Maestría	ACTIVIDADES ACADEMICAS ORIENTADAS A LA GRADUACION	Facultad de Ingeniería	1	2016-2
9	Maestría	TEMAS SELECTOS DE ESTRUCTURAS	Facultad de Ingeniería	5	2016-2
10	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Ingeniería	1	2016-1
11	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Ingeniería	1	2016-1
12	Maestría	TRABAJO DE INVESTIGACION IV	Facultad de Ingeniería	1	2016-1
13	Maestría	TRABAJO DE INVESTIGACION I	Facultad de Ingeniería	1	2016-1
14	Maestría	DINAMICA ESTRUCTURAL	Facultad de Ingeniería	22	2015-1
15	Maestría	ACTIVIDADES ACADEMICAS ORIENTADAS A LA GRADUACION	Facultad de Ingeniería	1	2014-2
16	Maestría	TRABAJO DE INVESTIGACION IV	Facultad de Ingeniería	1	2014-1
17	Maestría	DINAMICA ESTRUCTURAL	Facultad de Ingeniería	29	2014-1

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18	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Ingeniería	1	2014-1
19	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Ingeniería	1	2014-1
20	Maestría	TRABAJO DE INVESTIGACION I	Facultad de Ingeniería	1	2014-1
21	Maestría	DINAMICA ESTRUCTURAL	Facultad de Ingeniería	18	2013-1
22	Maestría	DINAMICA ESTRUCTURAL	Facultad de Ingeniería	18	2012-1
23	Maestría	TRABAJO DE INVESTIGACION IV	Facultad de Ingeniería	4	2012-1
24	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Ingeniería	4	2012-1
25	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Ingeniería	4	2012-1
26	Maestría	TRABAJO DE INVESTIGACION I	Facultad de Ingeniería	2	2012-1
27	Maestría	TRABAJO DE INVESTIGACION I	Facultad de Ingeniería	1	2011-2
28	Maestría	DINAMICA ESTRUCTURAL I	Facultad de Ingeniería	25	2011-1
29	Maestría	TRABAJO DE INVESTIGACION I	Facultad de Ingeniería	1	2011-1
30	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Ingeniería	2	2009-2
31	Maestría	TRABAJO DE INVESTIGACION IV	Facultad de Ingeniería	2	2009-2
32	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Ingeniería	2	2009-1
33	Maestría	DINAMICA ESTRUCTURAL I	Facultad de Ingeniería	17	2009-1
34	Maestría	TRABAJO DE INVESTIGACION I	Facultad de Ingeniería	2	2009-1
35	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Ingeniería	1	2008-1
36	Maestría	TRABAJO DE INVESTIGACION I	Facultad de Ingeniería	1	2008-1
37	Maestría	DINAMICA ESTRUCTURAL I	Facultad de Ingeniería	21	2008-1
38	Maestría	TRABAJO DE INVESTIGACION IV	Facultad de Ingeniería	1	2008-1
39	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Ingeniería	1	2008-1



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



MARIO GUSTAVO ORDAZ SCHROEDER

PATENTES

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

MARIO GUSTAVO ORDAZ SCHROEDER

MARIO GUSTAVO ORDAZ SCHROEDER

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