



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



**TIMOTHY FROST LAWTON**

## **Datos Generales**

**Nombre:** TIMOTHY FROST LAWTON

**Máximo nivel de estudios:** DOCTORADO

**Antigüedad académica en la UNAM:** 5 años

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## **Nombramientos**

**Último:** INVESTIGADOR TITULAR B TC No Definitivo  
Centro de Geociencias en Juriquilla, Querétaro  
Desde 16-06-2013 hasta 31-05-2018

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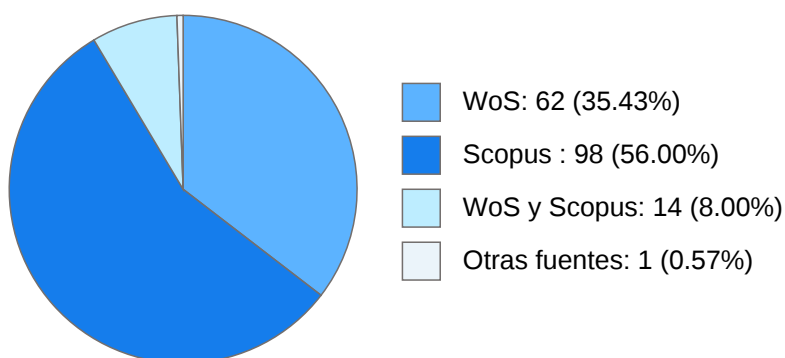
## **Estímulos, programas, premios y reconocimientos**

SNI II 2015 - 2022  
EQUIVALENCIA PRIDE B 2014 - 2017

## TIMOTHY FROST LAWTON

### DOCUMENTOS EN REVISTAS

#### Histórico de Documentos



| # | Título                                                                                                                                  | Autores                                                               | Revista                                  | Año  |
|---|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------|------|
| 1 | Modern sand provenance and transport across the western Gulf of Mexico margin                                                           | TIMOTHY FROST LAWTON Juárez-Arriaga E. Stockli D.F. et al.            | GEOLOGICAL SOCIETY OF AMERICA BULLETIN   | 2024 |
| 2 | Reconstructing source-to-sink systems from detrital zircon core and rim ages                                                            | TIMOTHY FROST LAWTON Liu L. Stockli D.F. et al.                       | Geology                                  | 2022 |
| 3 | Stratigraphy and origin of Upper Cretaceous wedge-top and proximal foredeep deposits in the Mexican foreland basin, east-central Mexico | EDGAR JUAREZ ARRIAGA TIMOTHY FROST LAWTON LUIGI AUGUSTO SOLARI et al. | JOURNAL OF SOUTH AMERICAN EARTH SCIENCES | 2022 |
| 4 | General Information                                                                                                                     | TIMOTHY FROST LAWTON Giles K. Rowan M.                                | Springer Geology                         | 2021 |
| 5 | Introduction                                                                                                                            | TIMOTHY FROST LAWTON Giles K. Rowan M.                                | Springer Geology                         | 2021 |
| 6 | Excursion 1: EL Papalote Diapir and Potrero Chico                                                                                       | TIMOTHY FROST LAWTON Giles K. Rowan M.                                | Springer Geology                         | 2021 |
| 7 | Excursion 2: La Popa Salt Weld                                                                                                          | TIMOTHY FROST LAWTON Giles K. Rowan M.                                | Springer Geology                         | 2021 |

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| 8  | La Popa Basin, Nuevo León and Coahuila, Mexico: Halokinetic Sequences and Diapiric Structural Kinematics in the Field                                                                                     | TIMOTHY FROST LAWTON Giles K. Rowan M.                                                | Springer Geology                                         | 2021 |
| 9  | Tectonic controls on the evolution of mixed carbonate-siliciclastic systems: Insights from the late Palaeozoic Ouachita-Marathon Foreland, United States                                                  | TIMOTHY FROST LAWTON Liu L. Ambrose W.A. et al.                                       | BASIN RESEARCH                                           | 2021 |
| 10 | Late Paleozoic (Late Mississippian?Middle Permian) sediment provenance and dispersal in western equatorial Pangea                                                                                         | TIMOTHY FROST LAWTON Blakey R.C. Stockli D.F. et al.                                  | PALAEOGEOGRAPHY<br>PALAEOCLIMATOLOGY<br>PALAEOECOLOGICAL | 2021 |
| 11 | Transition from Late Jurassic rifting to middle Cretaceous dynamic foreland, southwestern U.S. and northwestern Mexico                                                                                    | TIMOTHY FROST LAWTON Amato J.M. Machin S.E.K. et al.                                  | GEOLOGICAL SOCIETY OF AMERICA BULLETIN                   | 2020 |
| 12 | Orogen proximal sedimentation in the Permian foreland basin                                                                                                                                               | TIMOTHY FROST LAWTON Soto-Kerans G.M. Stockli D.F. et al.                             | Geosphere                                                | 2020 |
| 13 | Geochronology and correlation of the Todos Santos Group, western Veracruz and eastern Oaxaca States, Mexico: Implications for regional stratigraphic relations and the rift history of the Gulf of Mexico | ROBERTO STANLEY MOLINA GARZA<br>TIMOTHY FROST LAWTON MARIA ISABEL SIERRA ROJAS et al. | Geological Society of America Special Papers             | 2019 |
| 14 | Mexican record of circum-Gulf of Mexico Jurassic depositional systems and climate                                                                                                                         | ROBERTO STANLEY MOLINA GARZA<br>TIMOTHY FROST LAWTON Guadarrama A.F. et al.           | Geological Society of America Special Papers             | 2019 |
| 15 | Early Cretaceous to Paleogene sandstone provenance and sediment-dispersal systems of the Cuicateco terrane, Mexico                                                                                        | MARIA ISABEL SIERRA ROJAS<br>TIMOTHY FROST LAWTON UWE CLAUS MARTENS et al.            | Geological Society of America Special Papers             | 2019 |
| 16 | A review of allochthonous salt tectonics in the Flinders and Willouran ranges, South Australia                                                                                                            | TIMOTHY FROST LAWTON Rowan M.G. Hearon IV T.E. et al.                                 | AUSTRALIAN JOURNAL OF EARTH SCIENCES                     | 2019 |
| 17 | Sediment provenance, sediment-dispersal systems, and major arc-magmatic events recorded in the Mexican foreland basin, North-Central and Northeastern Mexico                                              | EDGAR JUAREZ ARRIAGA<br>TIMOTHY FROST LAWTON LUIGI AUGUSTO SOLARI et al.              | INTERNATIONAL GEOLOGY REVIEW                             | 2019 |

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| 18 | Late Cretaceous–Paleocene stratigraphic and structural evolution of the central Mexican fold and thrust belt, from detrital zircon (U–Th)/(He–Pb) ages                                         | EDGAR JUAREZ ARRIAGA TIMOTHY FROST LAWTON LUIGI AUGUSTO SOLARI et al.   | JOURNAL OF SOUTH AMERICAN EARTH SCIENCES     | 2019 |
| 19 | Detrital zircons and sediment dispersal from the Coahuila terrane of northern Mexico into the Marathon foreland of the southern Midcontinent                                                   | TIMOTHY FROST LAWTON William A. Thomas George E. Gehrels et al.         | Geosphere                                    | 2019 |
| 20 | William R. Dickinson (1931–2015): Hero of plate tectonics, sedimentary basins, and provenance                                                                                                  | TIMOTHY FROST LAWTON Raymond V. Ingersoll Richard A. Schweickert et al. | Geological Society of America Special Papers | 2018 |
| 21 | Provenance of Upper Triassic–Middle Jurassic strata of the Plomosas uplift, east-central Chihuahua, Mexico, and possible sedimentologic connections with Colorado Plateau depositional systems | TIMOTHY FROST LAWTON LUIGI AUGUSTO SOLARI EDGAR JUAREZ ARRIAGA et al.   | Geological Society of America Special Papers | 2018 |
| 22 | The Cretaceous–Paleogene Mexican orogen: Structure, basin development, magmatism and tectonics                                                                                                 | ELISA FITZ DIAZ TIMOTHY FROST LAWTON EDGAR JUAREZ ARRIAGA et al.        | EARTH-SCIENCE REVIEWS                        | 2018 |
| 23 | Mesozoic–Paleogene structural evolution of the southern US Cordillera as revealed in the Little and Big Hatchet Mountains, southwest New Mexico, USA                                           | TIMOTHY FROST LAWTON Clinkscales C.A.                                   | Geosphere                                    | 2018 |
| 24 | Magnetostratigraphy, age and depositional environment of the Lobo Formation, southwest New Mexico: implications for the Laramide orogeny in the southern Rocky Mountains                       | TIMOTHY FROST LAWTON De los Santos, M.G. Copeland, P. et al.            | BASIN RESEARCH                               | 2018 |
| 25 | Erratum: Location, location, location: The variable lifespan of the Laramide orogeny [Geology, 45, (2016), (223–226)] doi: 10.1130/G38810.1                                                    | TIMOTHY FROST LAWTON Copeland, P. Currie, C.A. et al.                   | Geology                                      | 2017 |
| 26 | Halokinetic sequences and diapiric structural kinematics in the field: Two-day excursion to La Popa Basin, northeastern Mexico                                                                 | TIMOTHY FROST LAWTON Giles, Katherine A. Rowan, Mark G.                 | AAPG BULLETIN                                | 2017 |
| 27 | U–Pb ages of igneous xenoliths in a salt diapir, La Popa basin: Implications for salt age in onshore Mexico salt basins                                                                        | TIMOTHY FROST LAWTON Amato, Jeffrey M.                                  | LITHOSPHERE                                  | 2017 |

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| 28 | The Triassic/Jurassic boundary and the Jurassic stratigraphy and biostratigraphy of northern Sonora, northwest Mexico                                                                                           | CARLOS MANUEL GONZALEZ LEON<br>TIMOTHY FROST LAWTON Stanley, Jr.,<br>George D. et al.  | BOLETIN DE LA<br>SOCIEDAD<br>GEOLOGICA<br>MEXICANA | 2017 |
| 29 | Location, location, location: The variable lifespan of the Laramide orogeny                                                                                                                                     | TIMOTHY FROST LAWTON Copeland,<br>Peter Currie, Claire A. et al.                       | Geology                                            | 2017 |
| 30 | IMPACT OF THE NORTH AMERICAN MONSOON ON ISOTOPE PALEOALTIMETERS: IMPLICATIONS FOR THE PALEOALTIMETRY OF THE AMERICAN SOUTHWEST                                                                                  | TIMOTHY FROST LAWTON Licht, Alexis<br>Quade, Jay et al.                                | AMERICAN<br>JOURNAL OF<br>SCIENCE                  | 2017 |
| 31 | The late Paleozoic Southwestern Laurentian Borderland                                                                                                                                                           | TIMOTHY FROST LAWTON Cashman,<br>Patricia H. Trexler, Jr., James H. et<br>al.          | Geology                                            | 2017 |
| 32 | Estimation of source area, river paleo-discharge, paleoslope, and sediment budgets of linked deep-time depositional systems and implications for hydrocarbon potential                                          | TIMOTHY FROST LAWTON<br>Bhattacharya, Janok P. Copeland,<br>Peter et al.               | EARTH-SCIENCE<br>REVIEWS                           | 2016 |
| 33 | The lower cretaceous atzompa formation in south-central Mexico: Record of evolution from extensional backarc basin margin to carbonate platform                                                                 | MARIA ISABEL SIERRA ROJAS<br>TIMOTHY FROST LAWTON<br>Molina-Garza, Roberto S.          | JOURNAL OF<br>SEDIMENTARY<br>RESEARCH              | 2016 |
| 34 | Allochthonous salt initiation and advance in the northern Flinders and eastern Willouran ranges, South Australia: Using outcrops to test subsurface-based models from the northern Gulf of Mexico               | TIMOTHY FROST LAWTON Hearon,<br>Thomas E. Rowan, Mark G. et al.                        | AAPG BULLETIN                                      | 2015 |
| 35 | Provenance of a Permian erg on the western margin of Pangea: Depositional system of the Kungurian (late Leonardian) Castle Valley and White Rim sandstones and subjacent Cutler Group, Paradox Basin, Utah, USA | TIMOTHY FROST LAWTON Buller,<br>Cody D. Parr, Todd R.                                  | Geosphere                                          | 2015 |
| 36 | The San Mateo fault: New paleoseismological evidences of active faulting in the Acambay graben, Mexico                                                                                                          | Ivan SunyePuchol PIERRE GILLES<br>LACAN FRANCISCO RAMON ZUÑIGA<br>DAVILA MADRID et al. | REVISTA<br>MEXICANA DE<br>CIENCIAS<br>GEOLOGICAS   | 2015 |
| 37 | Geology and tectonics of neoproterozoic salt diapirs and salt sheets in the Eastern willouran ranges, South Australia                                                                                           | TIMOTHY FROST LAWTON Hearon T.E.<br>Rowan M.G. et al.                                  | BASIN<br>RESEARCH                                  | 2015 |

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| 38 | Timing of Late Cretaceous shortening and basin development, Little Hatched Mountains, southwestern New Mexico, USA – implications for regional Laramide tectonics                                                          | TIMOTHY FROST LAWTON Clinkscales C.A.                                                         | BASIN RESEARCH                          | 2015 |
| 39 | William R. Dickinson: Plate tectonic pioneer                                                                                                                                                                               | TIMOTHY FROST LAWTON                                                                          | NATURE GEOSCIENCE                       | 2015 |
| 40 | La falla San Mateo: Nuevas evidencias paleosismológicas de fallamiento activo en el graben de Acambay, México                                                                                                              | PIERRE GILLES LACAN FRANCISCO RAMON ZUÑIGA DAVILA MADRID GERARDO DE JESUS AGUIRRE DIAZ et al. | REVISTA MEXICANA DE CIENCIAS GEOLOGICAS | 2015 |
| 41 | LATE CRETACEOUS FLUVIAL-MEGAFAN AND AXIAL-RIVER SYSTEMS IN THE SOUTHERN CORDILLERAN FORELAND BASIN: DRIP TANK MEMBER OF STRAIGHT CLIFFS FORMATION AND ADJACENT STRATA, SOUTHERN UTAH, USA                                  | TIMOTHY FROST LAWTON Schellenbach W.L. Nugent A.E.                                            | JOURNAL OF SEDIMENTARY RESEARCH         | 2014 |
| 42 | Detrital-zircon record of major Middle Triassic-Early Cretaceous provenance shift, central Mexico: Demise of Gondwanan continental fluvial systems and onset of back-arc volcanism and sedimentation                       | Berlaine Ortega Flores LUIGI AUGUSTO SOLARI TIMOTHY FROST LAWTON et al.                       | INTERNATIONAL GEOLOGY REVIEW            | 2014 |
| 43 | Small grains, big rivers, continental concepts                                                                                                                                                                             | TIMOTHY FROST LAWTON                                                                          | Geology                                 | 2014 |
| 44 | U-Pb geochronology of the type Nazas Formation and superjacent strata, northeastern Durango, Mexico: Implications of a Jurassic age for continental-arc magmatism in north-central Mexico                                  | TIMOTHY FROST LAWTON ROBERTO STANLEY MOLINA GARZA                                             | GEOLOGICAL SOCIETY OF AMERICA BULLETIN  | 2014 |
| 45 | Late Cretaceous U-Pb tuff ages from the Skunk Ranch Formation and their implications for age of Laramide deformation, Little Hatched Mountains, southwestern New Mexico, U.S.A.                                            | TIMOTHY FROST LAWTON Jennings G.R. Clinkscales C.A.                                           | CRETACEOUS RESEARCH                     | 2013 |
| 46 | Provenance of the Paleogene Colton Formation (Uinta Basin) And Cretaceous-Paleogene provenance evolution in the Utah foreland: Evidence from U-Pb ages of detrital zircons, paleocurrent trends, and sandstone petrofacies | TIMOTHY FROST LAWTON Dickinson W.R. Pecha M. et al.                                           | Geosphere                               | 2012 |

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| 47 | Halokinetic–sequence stratigraphy, fluvial sedimentology and structural geometry of the Eocene Carroza Formation along La Popa salt weld, La Popa Basin, Mexico                                 | TIMOTHY FROST LAWTON Andrie J.R. Giles K.A. et al.                       | Geological Society Special Publication    | 2012 |
| 48 | Depositional and halokinetic–sequence stratigraphy of the neoproterozoic Wonoka Formation adjacent to patawarta allochthonous salt sheet, Central Flinders Ranges, South Australia              | TIMOTHY FROST LAWTON Kern R.A. Giles K.A. et al.                         | Geological Society Special Publication    | 2012 |
| 49 | Anatomy of an exposed vertical salt weld and flanking strata, La Popa Basin, Mexico                                                                                                             | TIMOTHY FROST LAWTON Rowan M.G. Giles K.A.                               | Geological Society Special Publication    | 2012 |
| 50 | The Late Cretaceous fold–thrust belt in the Peña de Bernal–Tamazunchale area and its possible relationship to the accretion of the Guerrero Terrane                                             | MICHELANGELO MARTINI LUIGI AUGUSTO SOLARI ANTONI CAMPRUBI CANO et al.    | GSA Field Guides                          | 2012 |
| 51 | Sierra de Catorce: Remnants of the ancient western equatorial margin of Pangea in central Mexico                                                                                                | ROBERTO STANLEY MOLINA GARZA TIMOTHY FROST LAWTON Barboza–Gudiño J.R.    | GSA Field Guides                          | 2012 |
| 52 | New constraints on timing of Hidalgoan (Laramide) deformation in the Parras and La Popa basins, NE Mexico                                                                                       | TIMOTHY FROST LAWTON Gray G.G.                                           | BOLETIN DE LA SOCIEDAD GEOLOGICA MEXICANA | 2011 |
| 53 | Correlation and provenance of Upper Cretaceous (Campanian) fluvial strata, Utah, U.S.A., from Zircon U–PB geochronology and petrography                                                         | TIMOTHY FROST LAWTON Bradford B.A.                                       | JOURNAL OF SEDIMENTARY RESEARCH           | 2011 |
| 54 | Detrital zircon U–Pb ages of sandstones in continental red beds at Valle de Huizachal, Tamaulipas, NE Mexico: Record of Early–Middle Jurassic arc volcanism and transition to crustal extension | TIMOTHY FROST LAWTON Rubio–Cisneros, Igor Ishi                           | Geosphere                                 | 2011 |
| 55 | Stratigraphy, geochronology, and geochemistry of the Laramide magmatic arc in north–central Sonora, Mexico                                                                                      | CARLOS MANUEL GONZALEZ LEON LUIGI AUGUSTO SOLARI JESUS SOLE VIÑAS et al. | Geosphere                                 | 2011 |
| 56 | The Paleogene California River: Evidence of Mojave–Uinta paleodrainage from U–Pb ages of detrital zircons                                                                                       | TIMOTHY FROST LAWTON Davis S.J. Dickinson W.R. et al.                    | Geology                                   | 2010 |
| 57 | Introduction: Making the southern margin of Laurentia                                                                                                                                           | TIMOTHY FROST LAWTON Stern R. Dickinson W.R.                             | Geosphere                                 | 2010 |

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| 58 | Detrital zircon record of thrust belt unroofing in Lower Cretaceous synorogenic conglomerates, central Utah                                                                                           | TIMOTHY FROST LAWTON Hunt G.J. Gehrels G.E.                         | Geology                                | 2010 |
| 59 | Evaporitic paleosols in continental strata of the Carroza Formation, Lapopa Basin, Mexico: Record of Paleogene climate and salt tectonics                                                             | TIMOTHY FROST LAWTON Buck B.J. Brock A.L.                           | GEOLOGICAL SOCIETY OF AMERICA BULLETIN | 2010 |
| 60 | Recycling detrital zircons: A case study from the Cretaceous Bisbee Group of southern Arizona                                                                                                         | TIMOTHY FROST LAWTON Dickinson W.R. Gehrels G.E.                    | Geology                                | 2009 |
| 61 | Chapter 12 Laramide Sedimentary Basins                                                                                                                                                                | TIMOTHY FROST LAWTON                                                | Sedimentary Basins of the World        | 2008 |
| 62 | Implications of diapir-derived detritus and gypsic paleosols in Lower Triassic strata near the Castle Valley salt wall, Paradox Basin, Utah                                                           | TIMOTHY FROST LAWTON Buck B.J.                                      | Geology                                | 2006 |
| 63 | Upper Cretaceous marine strata in the Little Hatched Mountains, southwestern New Mexico                                                                                                               | TIMOTHY FROST LAWTON Lucas S.G.                                     | New Mexico Geology                     | 2005 |
| 64 | Basinward transport of Chicxulub ejecta by tsunami-induced backflow, La Popa basin, NE Mexico: Reply                                                                                                  | TIMOTHY FROST LAWTON FRANCISCO JAVIER VEGA VERA Giles K.A.          | Geology                                | 2005 |
| 65 | Basinward transport of Chicxulub ejecta by tsunami-induced backflow, La Popa basin, NE Mexico: Reply                                                                                                  | TIMOTHY FROST LAWTON FRANCISCO JAVIER VEGA VERA Giles K.A.          | Geology                                | 2005 |
| 66 | Sequence stratigraphy of tidally influenced deposits in a salt-withdrawal minibasin: Upper sandstone member of the Potrerillos Formation (Paleocene), La Popa basin, Mexico                           | TIMOTHY FROST LAWTON Shelley D.C.                                   | AAPG BULLETIN                          | 2005 |
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| 68 | Stratigraphy and sedimentology of the upper Aptian-upper Albian Mural Limestone (Bisbee Group) in northern Sonora, Mexico                                                                             | TIMOTHY FROST LAWTON CARLOS MANUEL GONZALEZ LEON Lucas S.G. et al.  | CRETACEOUS RESEARCH                    | 2004 |

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| 69 | Integrating sandstone petrology and nonmarine sequence stratigraphy: Application to the Late Cretaceous fluvial systems of southwestern Utah, U.S.A                            | TIMOTHY FROST LAWTON Pollock S.L. Robinson R.A.J.                 | JOURNAL OF SEDIMENTARY RESEARCH          | 2003 |
| 70 | Near-salt deformation in La Popa basin, Mexico, and the northern Gulf of Mexico: A general model for passive diapirism                                                         | TIMOTHY FROST LAWTON Rowan M.G. Giles K.A. et al.                 | AAPG BULLETIN                            | 2003 |
| 71 | Fault-proximal stratigraphic record of episodic extension and oblique inversion, Bisbee basin, southwestern New Mexico, USA                                                    | TIMOTHY FROST LAWTON Bayona G.                                    | BASIN RESEARCH                           | 2003 |
| 72 | Sequential intercontinental suturing as the ultimate control for Pennsylvanian Ancestral Rocky Mountains deformation                                                           | TIMOTHY FROST LAWTON Dickinson W.R.                               | Geology                                  | 2003 |
| 73 | Halokinetic sequence stratigraphy adjacent to the El Papalote diapir, Northeastern Mexico                                                                                      | TIMOTHY FROST LAWTON Giles K.A.                                   | AAPG BULLETIN                            | 2002 |
| 74 | Eometry and structure associated to gas-charged sediments and recent growth faults in the Ebro Delta (Spain)                                                                   | TIMOTHY FROST LAWTON Maestro A. Barnolas A. et al.                | MARINE GEOLOGY                           | 2002 |
| 75 | A Late Pennsylvanian outer shelf marine fauna from a highstand systems tract, Derry Hills, south-central New Mexico                                                            | TIMOTHY FROST LAWTON Kues B.S. Giles K.A. et al.                  | New Mexico Geology                       | 2002 |
| 76 | Carboniferous to Cretaceous assembly and fragmentation of Mexico                                                                                                               | TIMOTHY FROST LAWTON Dickinson W.R.                               | GEOLOGICAL SOCIETY OF AMERICA BULLETIN   | 2001 |
| 77 | Tectonic setting and sandstone petrofacies of the Bisbee basin (USA-Mexico)                                                                                                    | TIMOTHY FROST LAWTON Dickinson W.R.                               | JOURNAL OF SOUTH AMERICAN EARTH SCIENCES | 2001 |
| 78 | Late Jurassic invertebrate fossils from the Little Hatchet Mountains, southwestern New Mexico                                                                                  | TIMOTHY FROST LAWTON Lucas S.G. Zeigler K.E. et al.               | New Mexico Geology                       | 2001 |
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| 81 | Stacked late devonian lowstand shorelines and their relation to tectonic subsidence at the cordilleran hingeline, Western Utah                                              | TIMOTHY FROST LAWTON Giles K.A. Bocko M.                | JOURNAL OF SEDIMENTARY RESEARCH              | 1999 |
| 82 | Arc abandonment as a cause for passive continental rifting: Comparison of the Jurassic Mexican Borderland rift and the Cenozoic Rio Grande rift                             | TIMOTHY FROST LAWTON McMillan N.J.                      | Geology                                      | 1999 |
| 83 | Attributes and evolution of an exhumed salt weld, La Popa basin, northeastern Mexico                                                                                        | TIMOTHY FROST LAWTON Giles K.A.                         | Geology                                      | 1999 |
| 84 | Broken Jug Formation - redefinition of lower part of Bisbee Group, Little Hatchet Mountains, Hidalgo County, New Mexico                                                     | TIMOTHY FROST LAWTON Harrigan P.J.                      | New Mexico Geology                           | 1998 |
| 85 | Structural kinematics and depositional history of a Laramide uplift-basin pair in southern New Mexico: Implications for development of intraforeland basins                 | TIMOTHY FROST LAWTON Seager W.R. Mack G.H.              | GEOLOGICAL SOCIETY OF AMERICA BULLETIN       | 1997 |
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| 87 | Stratigraphy and structure of the Sevier thrust belt and proximal foreland-basin system in central Utah: A transect from the Sevier Desert to the Wasatch Plateau           | TIMOTHY FROST LAWTON Sprinkel D.A. Decelles P.G. et al. | Brigham Young University Geology Studies     | 1997 |
| 88 | Stratigraphy and structure of the lower part of the Bisbee Group, northeastern Chiricahua Mountains, Arizona                                                                | TIMOTHY FROST LAWTON Olmstead G.A.                      | Geological Society of America Special Papers | 1995 |
| 89 | Stratigraphy, depositional environments, and origin of the Cabullona basin, northeastern Sonora                                                                             | CARLOS MANUEL GONZALEZ LEON<br>TIMOTHY FROST LAWTON     | Geological Society of America Special Papers | 1995 |
| 90 | Evolution of latest Cretaceous-Eocene nonmarine deposystems in the Axhandle piggyback basin of central Utah                                                                 | TIMOTHY FROST LAWTON Talling P.J. Burbank D.W. et al.   | GEOLOGICAL SOCIETY OF AMERICA BULLETIN       | 1995 |
| 91 | Thrust timing, growth of structural culminations, and synorogenic sedimentation in the type Sevier orogenic belt, western United States                                     | TIMOTHY FROST LAWTON Decelles P.G. Mitra G.             | Geology                                      | 1995 |

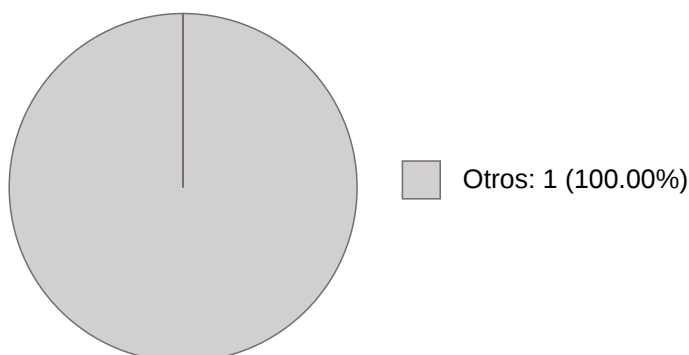
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| 92  | Influence of inherited taper on structural variability and conglomerate distribution, Cordilleran fold and thrust belt, western United States                                          | TIMOTHY FROST LAWTON Boyer S.E. Schmitt J.G.          | Geology                          | 1994 |
| 93  | Magnetostratigraphic chronology of Cretaceous-to-Eocene thrust belt evolution, central Utah, USA                                                                                       | TIMOTHY FROST LAWTON Talling P.J. Burbank D.W. et al. | J GEOL                           | 1994 |
| 94  | Laramide stratigraphy of the Little Hatched Mountains, southwestern New Mexico                                                                                                         | TIMOTHY FROST LAWTON                                  | New Mexico Geology               | 1993 |
| 95  | Structure and stratigraphy of Upper Cretaceous and Paleogene strata (North Horn Formation), eastern San Pitch Mountains, Utah – sedimentation at the front of the Sevier orogenic belt | TIMOTHY FROST LAWTON Talling P.J. Hobbs R.S. et al.   | Us Geological Survey Bulletin    | 1993 |
| 96  | Piggyback basin in the Sevier orogenic belt, Utah: implications for development of the thrust wedge                                                                                    | TIMOTHY FROST LAWTON Trexler Jr J.H.                  | Geology                          | 1991 |
| 97  | Late cretaceous dinosaurs from the ringbone formation, southwestern New Mexico, U.S.A.                                                                                                 | TIMOTHY FROST LAWTON Lucas S.G. Basabivazo G.         | CRETACEOUS RESEARCH              | 1990 |
| 98  | Sandstone detrital modes, central Utah foreland region: stratigraphic record of Cretaceous-Paleogene tectonic evolution.                                                               | TIMOTHY FROST LAWTON Dickinson W.R. Inman K.F.        | Journal Of Sedimentary Petrology | 1986 |
| 99  | Compositional trends within a clastic wedge adjacent to a fold- thrust belt: Indianola Group, central Utah, USA.                                                                       | TIMOTHY FROST LAWTON                                  | Foreland Basins                  | 1986 |
| 100 | STYLE AND TIMING OF FRONTAL STRUCTURES, THRUST BELT, CENTRAL UTAH.                                                                                                                     | TIMOTHY FROST LAWTON                                  | AAPG BULLETIN                    | 1985 |

**TIMOTHY FROST LAWTON**

## LIBROS Y CAPITULOS CON ISBN

### Obras con registro ISBN

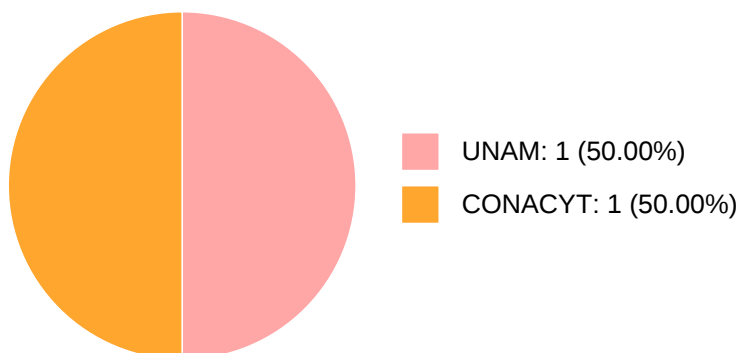


| # | Título                                                     | Autores                          | Alcance | Año  | ISBN          |
|---|------------------------------------------------------------|----------------------------------|---------|------|---------------|
| 1 | Laramide Sedimentary Basins and Sediment-Dispersal Systems | TIMOTHY FROST LAWTON<br>AD Miall | Article | 2019 | 9780444638953 |

**TIMOTHY FROST LAWTON**

**PARTICIPACIÓN EN PROYECTOS**

**Histórico de participación en proyectos**

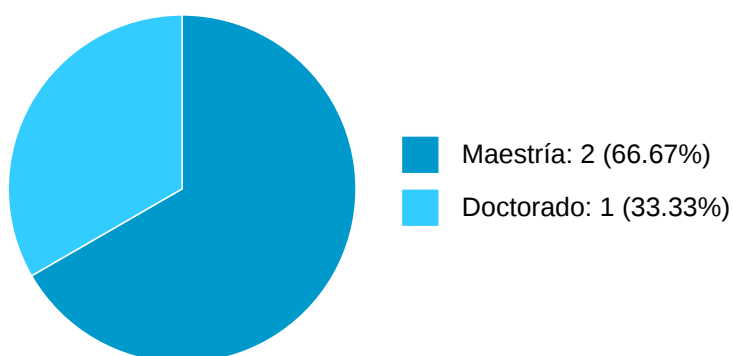


| # | Nombre                                                                                                                                                                              | Participantes           | Fuente                                                 | Fecha inicio | Fecha fin  |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------|--------------|------------|
| 1 | Modelo Alpino para el desarrollo del sistema de cuencas de antepaís del Cretácico tardío-Paleógeno en el norte de México: Implicaciones para la tectónica y paleogeografía regional | TIMOTHY FROST<br>LAWTON | Recursos<br>CONACYT                                    | 31-03-2015   | 30-03-2018 |
| 2 | Estudio de la relación entre tectónica y sedimentación                                                                                                                              | TIMOTHY FROST<br>LAWTON | Presupuesto de la<br>UNAM asignado a<br>la Dependencia | 01-01-2018   | 31-12-2019 |

## TIMOTHY FROST LAWTON

### PARTICIPACIÓN EN TESIS

#### Histórico de Colaboraciones en Tesis

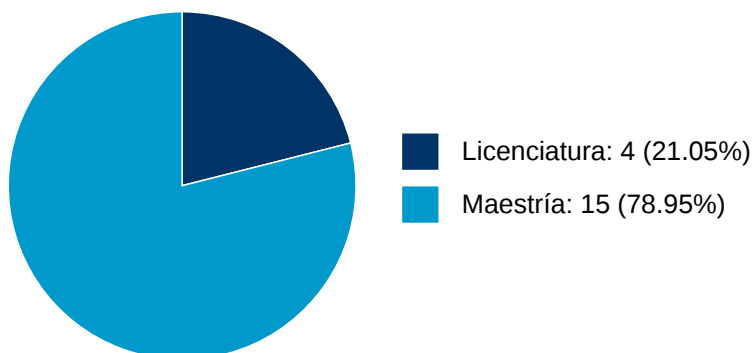


| # | Título del documento                                                                                                           | Tipo de Tesis      | Sinodales             | Autores                           | Entidad                                         | Año  |
|---|--------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|-----------------------------------|-------------------------------------------------|------|
| 1 | Evolución estratigráfica y procedencia de la cuenca de antepaís mexicana (cretácico superior-paleógeno) en el centro de México | Tesis de Doctorado | TIMOTHY FROST LAWTON, | Juárez Arriaga, Edgar,            |                                                 | 2019 |
| 2 | Edad e interpretación de los paleoambientes del jurásico tardío de la formación la casita, en la fosa de Chihuahua             | Tesis de Maestría  | TIMOTHY FROST LAWTON, | Tarango Terrazas, Carmen Manuela, | Centro de Geociencias en Juriquilla, Querétaro, | 2017 |
| 3 | Formación Plomosas, Chihuahua : estratigrafía, ambientes de depósito, petrología y procedencia                                 | Tesis de Maestría  | TIMOTHY FROST LAWTON, | Ruiz Urueña, Jorge Enrique,       | Centro de Geociencias en Juriquilla, Querétaro, | 2017 |

**TIMOTHY FROST LAWTON**

**DOCENCIA IMPARTIDA**

**Histórico de docencia**



| #  | Nivel titulación | Asignatura                                             | Entidad                                        | Alumnos | Semestre |
|----|------------------|--------------------------------------------------------|------------------------------------------------|---------|----------|
| 1  | Licenciatura     | TALLER INVES.CIENC.TIERRA SOLID.II                     | Facultad de Ciencias                           | 1       | 2018-2   |
| 2  | Maestría         | ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO        | Centro de Geociencias en Juriquilla, Querétaro | 1       | 2018-2   |
| 3  | Maestría         | AMBIENTES Y PROCESOS SEDIMENTARIOS                     | Centro de Geociencias en Juriquilla, Querétaro | 12      | 2018-1   |
| 4  | Maestría         | SEMINARIO DE INVESTIGACION                             | Centro de Geociencias en Juriquilla, Querétaro | 1       | 2018-1   |
| 5  | Licenciatura     | TALLER INVES.CIENC.TIERRA SOLID.I                      | Facultad de Ciencias                           | 1       | 2018-1   |
| 6  | Maestría         | PETROLOGIA SEDIMENTARIA DE ROCAS CLASTICAS-305772      | Centro de Geociencias en Juriquilla, Querétaro | 10      | 2017-1   |
| 7  | Maestría         | SEMINARIO DE INVESTIGACION-305987                      | Centro de Geociencias en Juriquilla, Querétaro | 1       | 2017-1   |
| 8  | Maestría         | ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO-394108 | Centro de Geociencias en Juriquilla, Querétaro | 1       | 2017-1   |
| 9  | Licenciatura     | TALLER INVES.CIENC.TIERRA SOLID.II                     | Facultad de Ciencias                           | 1       | 2016-2   |
| 10 | Maestría         | AMBIENTES Y PROCESOS SEDIMENTARIOS                     | Centro de Geociencias en Juriquilla, Querétaro | 1       | 2016-2   |
| 11 | Maestría         | SEMINARIO DE INVESTIGACION                             | Centro de Geociencias en Juriquilla, Querétaro | 1       | 2016-2   |
| 12 | Maestría         | AMBIENTES Y PROCESOS SEDIMENTARIOS                     | Centro de Geociencias en Juriquilla, Querétaro | 16      | 2016-1   |
| 13 | Licenciatura     | TALLER INVES.CIENC.TIERRA SOLID.I                      | Facultad de Ciencias                           | 1       | 2016-1   |

**TIMOTHY FROST LAWTON**

|    |          |                                                 |                                                |   |        |
|----|----------|-------------------------------------------------|------------------------------------------------|---|--------|
| 14 | Maestría | ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO | Centro de Geociencias en Juriquilla, Querétaro | 1 | 2015-2 |
| 15 | Maestría | PETROLOGIA SEDIMENTARIA DE ROCAS CLASTICAS      | Centro de Geociencias en Juriquilla, Querétaro | 4 | 2015-2 |
| 16 | Maestría | PETROLOGIA SEDIMENTARIA DE ROCAS CLASTICAS      | Instituto de Geofísica                         | 1 | 2015-2 |
| 17 | Maestría | SEMINARIO DE INVESTIGACION                      | Centro de Geociencias en Juriquilla, Querétaro | 1 | 2015-1 |
| 18 | Maestría | AMBIENTES Y PROCESOS SEDIMENTARIOS              | Centro de Geociencias en Juriquilla, Querétaro | 8 | 2014-2 |
| 19 | Maestría | PETROLOGIA SEDIMENTARIA DE ROCAS CLASTICAS      | Centro de Geociencias en Juriquilla, Querétaro | 3 | 2014-1 |



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



**TIMOTHY FROST LAWTON**

**PATENTES**

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

**TIMOTHY FROST LAWTON**

**TIMOTHY FROST LAWTON**

**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 |