



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



**JAIME KELLER TORRES**

## Datos Generales

**Nombre:** JAIME KELLER TORRES

**Máximo nivel de estudios:** DOCTORADO

**Antigüedad académica en la UNAM:** 52 años

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## Nombramientos

**Último:** PROFESOR ASIGNATURA B TP Definitivo  
Facultad de Estudios Superiores "Cuautitlán"  
Desde 01-01-2008 (fecha inicial de registros en el  
SIIA) hasta 15-04-2011  
PROFESOR DE CARRERA TITULAR C TC Definitivo  
Facultad de Química  
Desde 01-01-2008 (fecha inicial de registros en el  
SIIA) hasta 15-04-2011

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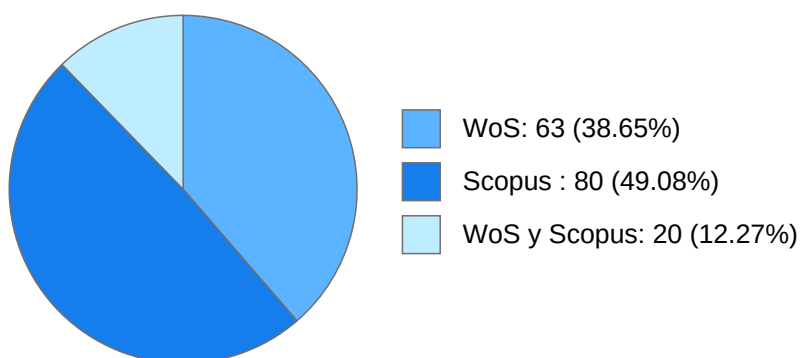
## Estímulos, programas, premios y reconocimientos

SNI III 2014 - 2015  
SNI III - 2010  
PRIDE D - 2011  
PASPA Estancias Sabáticas 2007 - 2008  
PUN Docencia en ciencias exactas 2006

**JAIME KELLER TORRES**

**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



| # | Título                                                                                             | Autores                               | Revista                               | Año  |
|---|----------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|------|
| 1 | Matter and Space-Time                                                                              | JAIME KELLER TORRES                   | Advances In Applied Clifford Algebras | 2010 |
| 2 | Least null trajectories in lorentzian geometries and their application in physics                  | JAIME KELLER TORRES                   | AIP Conference Proceedings            | 2009 |
| 3 | Representations of the clifford algebra $Cl(1,4)$ and their relevance for physics                  | JAIME KELLER TORRES Anglès P.         | AIP Conference Proceedings            | 2008 |
| 4 | Algebras generated by geometric scalar forms and their applications in physics and social sciences | JAIME KELLER TORRES                   | AIP Conference Proceedings            | 2008 |
| 5 | START: Inventio principia geometrica physicae                                                      | JAIME KELLER TORRES                   | Advances In Applied Clifford Algebras | 2008 |
| 6 | Geometric formulation of the many-electron theory                                                  | JAIME KELLER TORRES Keller, Alejandro | Advances In Applied Clifford Algebras | 2008 |
| 7 | Preface                                                                                            | JAIME KELLER TORRES Mohn, Peter       | PHILOSOPHICAL MAGAZINE                | 2008 |
| 8 | Geometric formulation of correlation in a many-electron system                                     | JAIME KELLER TORRES                   | PHILOSOPHICAL MAGAZINE                | 2008 |

**JAIME KELLER TORRES**

|    |                                                                                                                             |                                                                                                            |                                                        |      |
|----|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------|
| 9  | Foreword                                                                                                                    | JAIME KELLER TORRES                                                                                        | Progress in Mathematical Physics                       | 2008 |
| 10 | Algebras generated by scalar K-atic forms and their linear forms                                                            | JAIME KELLER TORRES                                                                                        | Advances In Applied Clifford Algebras                  | 2007 |
| 11 | The use of quadratic forms in the calculation of ground state electronic structures                                         | JAIME KELLER TORRES Weinberger P.                                                                          | JOURNAL OF MATHEMATICAL PHYSICS                        | 2006 |
| 12 | Unification of electrodynamics and gravity from START                                                                       | JAIME KELLER TORRES                                                                                        | Annales de la Fondation Louis de Broglie               | 2002 |
| 13 | An empirical study of the Mn partial density of states in icosahedral Al <sub>70</sub> Pd <sub>20</sub> Mn <sub>10</sub>    | JAIME KELLER TORRES Erbudak M. Hensch A. et al.                                                            | JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA | 2001 |
| 14 | Ethyl and methylphenylcarbamates as antihelmintic agents: Theoretical study for predicting their biological activity by PM3 | ENRIQUE RAMON ANGELES ANGUIANO JAIME KELLER TORRES Martínez P. et al.                                      | JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM               | 2000 |
| 15 | Transition from parabolic to linear kinetics in the high-temperature nitridation of niobium                                 | JAIME KELLER TORRES Douglass D.L.                                                                          | OXID MET                                               | 1999 |
| 16 | Actions of GL <sub>q</sub> (2, C) on C(1, 3) and its four dimensional representations                                       | VLADISLAV KHARTCHENKO JAIME KELLER TORRES SUEMI RODRIGUEZ ROMO                                             | COMMUNICATIO NS IN ALGEBRA                             | 1999 |
| 17 | Theoretical calculation of carbon clusters                                                                                  | ESTHER AGACINO VALDES PABLO DE LA MORA Y PALOMAR ASKINASY FRANCISCO MIGUEL DE JESUS CASTRO MARTINEZ et al. | INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY             | 1997 |
| 18 | Kinetics of phase transitions induced by shock-wave loading in ice                                                          | JAIME KELLER TORRES SUEMI RODRIGUEZ ROMO Tchijov V. et al.                                                 | JOURNAL OF PHYSICAL CHEMISTRY B                        | 1997 |
| 19 | A symmetry of massless fields                                                                                               | JAIME KELLER TORRES Liu Y.-F.                                                                              | JOURNAL OF MATHEMATICAL PHYSICS                        | 1996 |
| 20 | Prime rings with PI rings of constants                                                                                      | VLADISLAV KHARTCHENKO JAIME KELLER TORRES Rodrigues-Romo S.                                                | ISRAEL JOURNAL OF MATHEMATICS                          | 1996 |

**JAIME KELLER TORRES**

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------|------|
| 21 | Coupling of the ionic motions with the electronic structure in the YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> high T <sub>c</sub> superconductor      | PABLO DE LA MORA Y PALOMAR<br>ASKINASY JAIME KELLER TORRES                       | PHYSICA<br>C-SUPERCONDU<br>CTIVITY AND ITS<br>APPLICATIONS | 1994 |
| 22 | Tautology of quantum mechanics and spacetime                                                                                                               | JAIME KELLER TORRES                                                              | Vistas In<br>Astronomy                                     | 1993 |
| 23 | Geometric superalgebra and the Dirac equation                                                                                                              | JAIME KELLER TORRES Rodríguez A.                                                 | JOURNAL OF<br>MATHEMATICAL<br>PHYSICS                      | 1992 |
| 24 | Differential equations for the square root of the electronic density in symmetry-constrained density-functional theory                                     | JAIME KELLER TORRES Flores J.A.                                                  | PHYSICAL<br>REVIEW A                                       | 1992 |
| 25 | The high-temperature oxidation behavior of vanadium-aluminum alloys                                                                                        | JAIME KELLER TORRES Douglass D.L.                                                | OXID MET                                                   | 1991 |
| 26 | Spinors and multivectors as a unified tool for spacetime geometry and for elementary particle physics                                                      | JAIME KELLER TORRES                                                              | INTERNATIONAL<br>JOURNAL OF<br>THEORETICAL<br>PHYSICS      | 1991 |
| 27 | Multivectorial representation of Lie groups                                                                                                                | JAIME KELLER TORRES SUEMI<br>RODRIGUEZ ROMO                                      | INTERNATIONAL<br>JOURNAL OF<br>THEORETICAL<br>PHYSICS      | 1991 |
| 28 | Multivectorial generalization of the Cartan map                                                                                                            | JAIME KELLER TORRES SUEMI<br>RODRIGUEZ ROMO                                      | JOURNAL OF<br>MATHEMATICAL<br>PHYSICS                      | 1991 |
| 29 | A multivectorial Dirac equation                                                                                                                            | JAIME KELLER TORRES SUEMI<br>RODRIGUEZ ROMO                                      | JOURNAL OF<br>MATHEMATICAL<br>PHYSICS                      | 1990 |
| 30 | Anisotropy of optical and transport properties in the a-b plane of the high temperature superconductor YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub>     | JAIME KELLER TORRES PABLO DE LA<br>MORA Y PALOMAR ASKINASY<br>Schoenes J. et al. | PHYSICA<br>C-SUPERCONDU<br>CTIVITY AND ITS<br>APPLICATIONS | 1990 |
| 31 | Density Matrix Foundations of Density Functional Theory: the Importance of Pure-State N-Representability In the Derivation of Extended Kohn-Sham Equations | JAIME KELLER TORRES Ludeña E.V.                                                  | Advances in<br>Quantum<br>Chemistry                        | 1990 |
| 32 | The formulation and use of density functional theory.                                                                                                      | JAIME KELLER TORRES                                                              | JOURNAL OF<br>MOLECULAR<br>STRUCTURE-THE<br>OCHEM          | 1988 |

**JAIME KELLER TORRES**

|    |                                                                                                                              |                                                                             |                                                  |      |
|----|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------|------|
| 33 | Vibronic states as the possible origin of high T <sub>c</sub> superconductivity in ceramic copper oxides                     | JAIME KELLER TORRES                                                         | PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS | 1988 |
| 34 | L2,3 edge of silicon: Theory and experiment                                                                                  | JAIME KELLER TORRES Aebi P. Erbudak M. et al.                               | PHYSICAL REVIEW B                                | 1988 |
| 35 | Density functional theory formalism                                                                                          | JAIME KELLER TORRES Ludeña, E.                                              | INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY       | 1987 |
| 36 | On the formulation of the Hohenberg-Kohn-Sham theory                                                                         | JAIME KELLER TORRES                                                         | INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY       | 1986 |
| 37 | Generalization of the Dirac equation admitting isospin and color symmetries                                                  | JAIME KELLER TORRES                                                         | INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS     | 1986 |
| 38 | Real space and configuration space wave function in the intermediate valence problem                                         | JAIME KELLER TORRES de Teresa C. Schoenes J.                                | SOLID STATE COMMUNICATIONS                       | 1985 |
| 39 | Moment formation in magnetic rare earth metal alloys                                                                         | JAIME KELLER TORRES CARLOS AMADOR BEDOLLA de Teresa C.                      | PHYSICA B & C                                    | 1985 |
| 40 | Chemical bonding and structural relaxation of amorphous ZrxCu <sub>1-x</sub>                                                 | CARLOS AMADOR BEDOLLA JAIME KELLER TORRES De Teresa C.                      | JOURNAL OF NON-CRYSTALLINE SOLIDS                | 1985 |
| 41 | Space-time dual geometry theory of elementary particles and their interaction fields                                         | JAIME KELLER TORRES                                                         | INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS     | 1984 |
| 42 | Approximate Relativistic calculations within the one-center approximation for the series CH <sub>4</sub> TO PbH <sub>4</sub> | JAIME KELLER TORRES Aguilar-Ancono A. Gázquez J.L.                          | CHEMICAL PHYSICS LETTERS                         | 1983 |
| 43 | Ground state of the He <sub>2</sub> <sup>2+</sup> molecular ion computed with density functional techniques                  | JAIME KELLER TORRES Castro M. Ventura O.N.                                  | JOURNAL OF CHEMICAL PHYSICS                      | 1982 |
| 44 | Isotope effect in chemical shifts of $\mu^+$ and H <sup>+</sup> : MuBr versus HBr and MuHO versus H <sub>2</sub> O           | JAIME KELLER TORRES MARIA DEL PILAR RIUS DE LA POLA Castro M.               | HYPERFINE INTERACTIONS                           | 1982 |
| 45 | Cluster in condensed matter method study of hydrogen in nickel                                                               | JAIME KELLER TORRES FRANCISCO MIGUEL DE JESUS CASTRO MARTINEZ De Paoli A.L. | JOURNAL OF APPLIED PHYSICS                       | 1982 |

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|----|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------|------|
| 46 | Wave equation of symmetry constrained Dirac particles                                                 | JAIME KELLER TORRES                                                      | INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS         | 1982 |
| 47 | Theoretical analysis of the $\mu^+$ Knight shift in Cd and Zn                                         | JAIME KELLER TORRES CARLOS AMADOR BEDOLLA LUIS EMILIO ORGAZ BAQUE et al. | HYPERFINE INTERACTIONS                               | 1981 |
| 48 | The electronic structure of a substitutional iron atom impurity in palladium                          | JAIME KELLER TORRES Rodriquez A.                                         | Journal Of Physics F: Metal Physics                  | 1981 |
| 49 | Bonding in the MO <sub>2</sub> transition-metal diatomic molecule                                     | JAIME KELLER TORRES Castro, M. Mareca, P.                                | INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY           | 1981 |
| 50 | The analysis of the knight shift in the $\mu^+$ SR technique                                          | JAIME KELLER TORRES Baltensperger, W.                                    | INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY           | 1980 |
| 51 | Electronic structure of ferromagnetic materials from a real space approach                            | JAIME KELLER TORRES Castro M.                                            | JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS          | 1980 |
| 52 | Electron gas model for inhomogeneous systems                                                          | JAIME KELLER TORRES Gázquez, J.L. Ortíz, E.                              | INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY           | 1979 |
| 53 | Space partitioning in multiple scattering techniques. I. Hydrogen molecular ion and hydrogen molecule | ANDONI GARRITZ RUIZ JAIME KELLER TORRES Gázquez, J.L. et al.             | INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY           | 1979 |
| 54 | Cluster methods to study the electronic structure of condensed matter                                 | JAIME KELLER TORRES                                                      | HYPERFINE INTERACTIONS                               | 1979 |
| 55 | Electronic structure of cubic uranium compounds                                                       | JAIME KELLER TORRES Erbudak M.                                           | Zeitschrift Für Physik B Condensed Matter And Quanta | 1979 |
| 56 | Self-consistent-field electron-gas local-spin-density model including correlation for atoms           | JAIME KELLER TORRES Gázquez J.L.                                         | PHYSICAL REVIEW A                                    | 1979 |
| 57 | $\mu^+$ Knight shift in Be                                                                            | JAIME KELLER TORRES Schenck A.                                           | HYPERFINE INTERACTIONS                               | 1979 |

**JAIME KELLER TORRES**

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|----|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------|
| 58 | Lattice relaxation around positive muon in copper                                                     | JAIME KELLER TORRES Castro M. Schilling H.                                                      | HYPERFINE INTERACTIONS                                                                                          | 1979 |
| 59 | A cluster calculation of the muon hyperfine field in nickel                                           | JAIME KELLER TORRES Patterson B.D.                                                              | HYPERFINE INTERACTIONS                                                                                          | 1979 |
| 60 | Electronic structure of uranium selenide: Experiment and theory                                       | JAIME KELLER TORRES Erbudak M. Greuter F. et al.                                                | JOURNAL OF APPLIED PHYSICS                                                                                      | 1979 |
| 61 | Electron spin polarization in uranium sulfide                                                         | JAIME KELLER TORRES Erbudak M. Greuter F. et al.                                                | SOLID STATE COMMUNICATIONS                                                                                      | 1979 |
| 62 | Optical properties and electronic structure of US                                                     | JAIME KELLER TORRES Schoenes J. Vogt O.                                                         | SOLID STATE COMMUNICATIONS                                                                                      | 1979 |
| 63 | Erratum: Electronic and spin structure of UTe (Physical Review Letters (1979) 42, 8, (543))           | JAIME KELLER TORRES Erbudak M.                                                                  | PHYSICAL REVIEW LETTERS                                                                                         | 1979 |
| 64 | Electronic and spin structure of UTe                                                                  | JAIME KELLER TORRES Erbudak M.                                                                  | PHYSICAL REVIEW LETTERS                                                                                         | 1979 |
| 65 | Cluster method density of states for noble metals and comparison with photoemission spectra           | JAIME KELLER TORRES ALEJANDRO PISANTY BARUCH MARIA DEL CARMEN DE TERESA MARTIN DEL CAMPO et al. | PHYSICS LETTERS A                                                                                               | 1979 |
| 66 | The positive muon as a light isotope of hydrogen : Trapping in copper, vanadium, niobium and tantalum | JAIME KELLER TORRES Camani M. Gygax F.N. et al.                                                 | ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS | 1979 |
| 67 | The isotope chemical shift of $\mu^+$ in HBr                                                          | JAIME KELLER TORRES Castro M. Schenck A.                                                        | HYPERFINE INTERACTIONS                                                                                          | 1979 |
| 68 | ELECTRONIC STRUCTURE OF CUBIC URANIUM COMPOUNDS.                                                      | JAIME KELLER TORRES Erbudak M.                                                                  | Journal De Physique. Colloque                                                                                   | 1978 |
| 69 | Electron gas exchange for atoms                                                                       | JAIME KELLER TORRES Gázquez J.L.                                                                | PHYSICAL REVIEW A                                                                                               | 1977 |
| 70 | Effect on the water/air surface tension of air diffusion and interface structuring                    | JAIME KELLER TORRES Sobol H. Garfías J.                                                         | J PHYS CHEM-US                                                                                                  | 1976 |



**JAIME KELLER TORRES**

|    |                                                                                                                               |                                                        |                                            |      |
|----|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------|------|
| 71 | On the problem of a theoretical description for surfaces [Zum Problem der theoretischen Beschreibung von Oberflächen]         | JAIME KELLER TORRES Weinberger P. Calderon G.          | MONATSHEFTE FUR CHEMIE                     | 1975 |
| 72 | SC Cellular multiple scattering in molecular electronic structure calculations                                                | JAIME KELLER TORRES                                    | INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY | 1975 |
| 73 | A short note on the possible stabilization of the local water structure in the liquid due to an oxygen or a nitrogen molecule | TORVALD GERMUND AXEL HOJER FRANZEN JAIME KELLER TORRES | INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY | 1974 |
| 74 | Stabilization of the local water structure due to oxygen or nitrogen molecules                                                | TORVALD GERMUND AXEL HOJER FRANZEN JAIME KELLER TORRES | JOURNAL OF THE AMERICAN CHEMICAL SOCIETY   | 1974 |
| 75 | Long range order, short range order and energy gaps                                                                           | JAIME KELLER TORRES Ziman J.M.                         | JOURNAL OF NON-CRYSTALLINE SOLIDS          | 1972 |
| 76 | The T matrix and the K matrix in cluster scattering                                                                           | JAIME KELLER TORRES Smith P.V.                         | Journal Of Physics C: Solid State Physics  | 1972 |
| 77 | The density of states of liquid transition metals                                                                             | JAIME KELLER TORRES Jones R.                           | Journal Of Physics F: Metal Physics        | 1971 |
| 78 | The use of general potentials in the band structure calculation                                                               | JAIME KELLER TORRES Evans R.                           | Journal Of Physics C: Solid State Physics  | 1971 |
| 79 | Modified muffin tin potentials for the band structure of semiconductors                                                       | JAIME KELLER TORRES                                    | Journal Of Physics C: Solid State Physics  | 1971 |
| 80 | Long range order, short range order and energy gaps                                                                           | JAIME KELLER TORRES                                    | Journal Of Physics C: Solid State Physics  | 1971 |





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**JAIME KELLER TORRES**

**LIBROS Y CAPITULOS CON ISBN**

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

**JAIME KELLER TORRES**



**Sistema Integral de Información Académica**  
**Coordinación de Planeación, Evaluación y**  
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**Reporte individual**



**JAIME KELLER TORRES**

**PARTICIPACIÓN EN PROYECTOS**

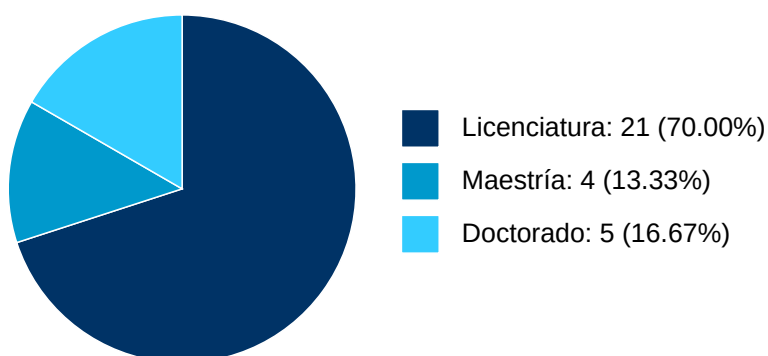
**No se encuentran registros en la base de datos de SISEPRO asociados a:**

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**PARTICIPACIÓN EN TESIS**

**Histórico de Colaboraciones en Tesis**



| # | Título del documento                                                                                                  | Tipo de Tesis         | Sinodales            | Autores                                                     | Entidad | Año  |
|---|-----------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|-------------------------------------------------------------|---------|------|
| 1 | Diseño y construccion de un dispositivo para elaborar pelicula de Vyns o celulosa con espesores controlados           | Tesis de Licenciatura | JAIME KELLER TORRES, | Patlan Cardoso, Fernando,                                   |         | 1998 |
| 2 | Evaluacion de produccion y caracterizacion de un biopolimero natural en fermentacion en lote en una cepa de Rhizobium | Tesis de Doctorado    | JAIME KELLER TORRES, | JOAQUIN PALACIOS ALQUISIRA, Reginensi Rivera, Stella Maris, |         | 1997 |
| 3 | Estudio teorico del mecanismo intradimero para el crecimiento de diamante usando funcionales de la densidad           | Tesis de Doctorado    | JAIME KELLER TORRES, | Agacino Valdes, Esther,                                     |         | 1997 |
| 4 | Sociedad quimica de Mexico origenes y desarrollo                                                                      | Tesis de Licenciatura | JAIME KELLER TORRES, | ADOLFO EDUARDO OBAYA VALDIVIA, Valdez Padilla, David,       |         | 1996 |

**JAIME KELLER TORRES**

|    |                                                                                                                      |                       |                      |                                             |      |
|----|----------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------------------------------|------|
| 5  | Operaciones de simetria mediante algebra geometrica aplicadas a grupos cristalograficos                              | Tesis de Licenciatura | JAIME KELLER TORRES, | Martinez Gutierrez, Jorge Daniel,           | 1996 |
| 6  | Modelacion teorica de la oxidacion catalitica del CO sobre perovskitas La Mo3 : M=Cr3+,Mn3+,Fe3+,Co3+,Ni 3+,Cu3+     | Tesis de Maestría     | JAIME KELLER TORRES, | Agacino Valdes, Esther,                     | 1995 |
| 7  | Estructura electronica de cumulos de metales de transicion                                                           | Tesis de Doctorado    | JAIME KELLER TORRES, | Castro Martinez, Francisco Miguel de Jesus, | 1991 |
| 8  | Determinacion a primeros principios de radios ionicos en cloruro de sodio cristalino                                 | Tesis de Maestría     | JAIME KELLER TORRES, | Cruz Nunez, Xochitl,                        | 1989 |
| 9  | Generalizacion multivectorial del mapa de Cartan y algunas de sus aplicaciones                                       | Tesis de Doctorado    | JAIME KELLER TORRES, | Rodriguez Romo, Suemi,                      | 1989 |
| 10 | Algunos usos de los metodos multivectoriales y espinoriales en teoria cuantica de la materia                         | Tesis de Maestría     | JAIME KELLER TORRES, | Rodríguez Romo, Suemi,                      | 1986 |
| 11 | Enlace Químico y formación de momentos magnéticos en átomos                                                          | Tesis de Maestría     | JAIME KELLER TORRES, | Pisanty Baruch, Alejandro,                  | 1984 |
| 12 | Densidad local de susceptibilidad de espin                                                                           | Tesis de Licenciatura | JAIME KELLER TORRES, | Amador, Carlos,                             | 1983 |
| 13 | Estudio de las propiedades electronicas de aleaciones                                                                | Tesis de Licenciatura | JAIME KELLER TORRES, | Martin del Campo, Ma. del Carmen de Teresa, | 1978 |
| 14 | La partición celular del espacio en dispersión múltiple : modelo de átomo renormalizado para simular ferromagnetismo | Tesis de Doctorado    | JAIME KELLER TORRES, | Garritz, Andoni,                            | 1977 |

**JAIME KELLER TORRES**

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|----|-------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|----------------------------------------------------|------|
| 15 | Estudio teorico conformacional de un complejo de adición inorganica                                               | Tesis de Licenciatura | JAIME KELLER TORRES, | Maroun Marun, Rachid Charbel,                      | 1977 |
| 16 | Susceptibilidad magnetica                                                                                         | Tesis de Licenciatura | JAIME KELLER TORRES, | Chamizo Guerrero, José Antonio,                    | 1976 |
| 17 | Centros de color en silicatos                                                                                     | Tesis de Licenciatura | JAIME KELLER TORRES, | Sanchez Mejorada Martinez del Sobral, Maria Diana, | 1976 |
| 18 | Estudios teoricos de complejos de transferencia de carga, y su posible relacion con la 3,5,3' tribromo L-tironina | Tesis de Licenciatura | JAIME KELLER TORRES, | Sanchez Martinez, Armando Jacinto de Jesus,        | 1975 |
| 19 | Tension superficial de liquidos simples en el modelo uniforme del estado liquido                                  | Tesis de Licenciatura | JAIME KELLER TORRES, | Mosqueira Paredes, Yolanda,                        | 1969 |
| 20 | Estudio comparativo en espectroscopia infrarroja de la celulosa y algunos de sus eteres derivados                 | Tesis de Licenciatura | JAIME KELLER TORRES, | Murphy Sanchez, Laura Elena,                       | 1969 |
| 21 | Funciones de onda analiticas para atomos polielectronicos                                                         | Tesis de Licenciatura | JAIME KELLER TORRES, | Skewes Varela, Clara Thawnselda,                   | 1969 |
| 22 | Metodo industrial de resolucion optica del acido D-L glutamico                                                    | Tesis de Licenciatura | JAIME KELLER TORRES, | Virgen Vallado, Alvaro Jorge,                      | 1969 |
| 23 | Termodinamica del agua liquida                                                                                    | Tesis de Licenciatura | JAIME KELLER TORRES, | Fritz Corona, Juan Mateo,                          | 1969 |
| 24 | Estudio monografico del acido etilendiamino tetraacetico                                                          | Tesis de Licenciatura | JAIME KELLER TORRES, | García Fuentes, Ramiro Arturo,                     | 1969 |

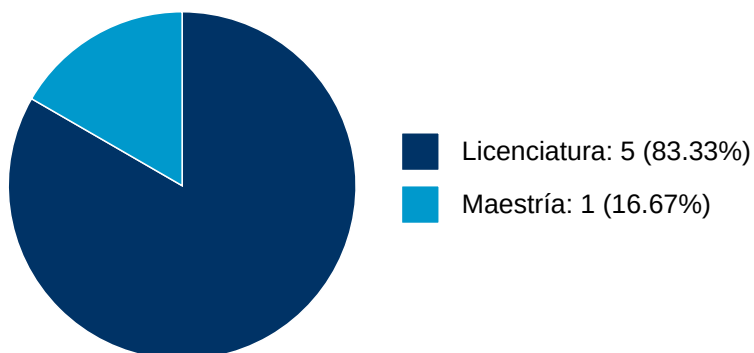
**JAIME KELLER TORRES**

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|----|--------------------------------------------------------------------------------------------------------|-----------------------|----------------------|------------------------------------|------|
| 25 | Diseño de un reactor para la fusión alcalina de la sal de Koch en el proceso de obtención del ácido H. | Tesis de Licenciatura | JAIME KELLER TORRES, | Migliano Maure, Juan Antonio,      | 1969 |
| 26 | Anteproyecto para la industrialización de la sulfanilamida                                             | Tesis de Licenciatura | JAIME KELLER TORRES, | Fernández Coiffier, Guillermo,     | 1968 |
| 27 | Estudio químico del proceso industrial para la obtención del ácido G                                   | Tesis de Licenciatura | JAIME KELLER TORRES, | Chavarria Catalan, Maria Luisa,    | 1967 |
| 28 | Desarrollo de métodos para determinación de elementos por espectrometría de emisión                    | Tesis de Licenciatura | JAIME KELLER TORRES, | Roa Castillo, Maria Elena,         | 1967 |
| 29 | Termodinámica de los cristales, las estructuras significantes de los líquidos y la fusión              | Tesis de Licenciatura | JAIME KELLER TORRES, | Perez Holder, Ma. Cristina,        | 1966 |
| 30 | Estudio técnico económico sobre la posibilidad de fabricación de hidroxietilcelulosa                   | Tesis de Licenciatura | JAIME KELLER TORRES, | Suarez de la Torre, José Federico, | 1966 |

**JAIME KELLER TORRES**

**DOCENCIA IMPARTIDA**

**Histórico de docencia**



| # | Nivel titulación | Asignatura                   | Entidad             | Alumnos | Semestre |
|---|------------------|------------------------------|---------------------|---------|----------|
| 1 | Licenciatura     | ESTRUCTURA DE LA MATERIA     | Facultad de Química | 52      | 2011-1   |
| 2 | Licenciatura     | ESTRUCTURA DE LA MATERIA     | Facultad de Química | 54      | 2010-2   |
| 3 | Licenciatura     | ESTRUCTURA DE LA MATERIA     | Facultad de Química | 64      | 2009-2   |
| 4 | Maestría         | TEMAS SELECTOS               | Facultad de Química | 2       | 2009-2   |
| 5 | Licenciatura     | QUIMICA CUANTICA I           | Facultad de Química | 14      | 2009-1   |
| 6 | Licenciatura     | UNION QUIM.Y FUND.ESPECTROS. | Facultad de Química | 3       | 2009-1   |





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



**JAIME KELLER TORRES**

**PATENTES**

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

**JAIME KELLER TORRES**

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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 |