



Nombres:

FERNANDO JAVIER

Apellidos:

MENDIZÁBAL EMALDÍA

Contacto (Opcional):

HAGUA@UCHILE.CL

Título Profesional o Grado Académico (incluya el año de obtención):

LICENCIATURA EN CIENCIAS C/M EN QUÍMICA, UNIVERSIDAD DE CHILE 1990.

Estudios de Postgrado o Especialización (institución donde lo obtuvo y año de obtención):

**DOCTOR EN CIENCIAS C/M EN QUÍMICA, UNIVERSIDAD DE CHILE 1995;
ESTADÍA POSTDOCTORAL U. DE HELSINKI (FINLANDIA) EN QUÍMICA
INORGÁNICA TEÓRICA, 1996-1997.**

Actividad Actual e Institución en la cual trabaja:

**PROFESOR TITULAR DE LA UNIVERSIDAD DE CHILE. DIRECTOR DEL
DEPARTAMENTO DE QUÍMICA DE LA FACULTAD DE CIENCIAS Y
CONSEJERO DE FACULTAD.**

Reseña de su actividad laboral actual:

Área de Investigación: Química inorgánica teórica y computacional.

Línea de Investigación: Fisicoquímica inorgánica teórica de interacciones débiles de Van der Waals en moléculas y sólidos extendidos de metales pesados de oro, mercurio, talio, etc; polímeros inorgánicos de coordinación basados en metalomacrociclos puenteados con ligandos nitrogenados biaxiales; índices de

reactividad química en los esquemas ab initio y funcionales de la densidad en química de materiales y clusters metálicos.

PUBLICACIONES INDEXADAS:

Mendizabal, F., Salazar, R.

Theoretical study on electronic spectra and interaction in $[Au_3]-L-[Au_3]$ ($L = C_6F_6, Ag^+$) complexes

(2012) Journal of Molecular Modeling, pp. 1-7. Article in Press.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-84865502379&partnerID=40&md5=4ef84d3799302de70ac073c8e07ff9a6)

84865502379&partnerID=40&md5=4ef84d3799302de70ac073c8e07ff9a6

DOCUMENT TYPE: Article in Press

SOURCE: Scopus

Ponce, I., Silva, J.F., Oñate, R., Rezende, M.C., Paez, M.A., Zagal, J.H., Pavez, J., Mendizabal, F., Miranda-Rojas, S., Muñoz-Castro, A., Arratia-Pérez, R.

Enhancement of the catalytic activity of Fe phthalocyanine for the reduction of O_2 anchored to Au(111) via conjugated self-assembled monolayers of aromatic thiols as compared to Cu phthalocyanine

(2012) Journal of Physical Chemistry C, 116 (29), pp. 15329-15341.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-84864276224&partnerID=40&md5=30f0e388e17751a48e0dbf80e2a89521)

84864276224&partnerID=40&md5=30f0e388e17751a48e0dbf80e2a89521

DOCUMENT TYPE: Article

SOURCE: Scopus

Aguilera-Venegas, B., Olea-Azar, C., Arán, V.J., Maya, J.D., Kemmerling, U., Speisky, H., Mendizabal, F.

Electrochemical, ESR and theoretical insights into the free radical generation by 1,1'-hydrocarbylenebisindazoles and its evaluation as potential bio-active compounds

(2012) International Journal of Electrochemical Science, 7 (7), pp. 5837-5863. Cited 1 time.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-84864000736&partnerID=40&md5=a3406c08a2dc2a4165128b9a74d25de1)

84864000736&partnerID=40&md5=a3406c08a2dc2a4165128b9a74d25de1

DOCUMENT TYPE: Article

SOURCE: Scopus

Mera-Adasme, R., Mendizabal, F., Gonzalez, M., Miranda-Rojas, S., Olea-Azar, C., Sundholm, D.

Computational studies of the metal-binding site of the wild-type and the H46R mutant of the copper, zinc superoxide dismutase

(2012) Inorganic Chemistry, 51 (10), pp. 5561-5568.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-84861302581&partnerID=40&md5=fe84dc32133300a5bf526af4d2f8ec92)

84861302581&partnerID=40&md5=fe84dc32133300a5bf526af4d2f8ec92

DOCUMENT TYPE: Article

SOURCE: Scopus

Burgos, D., Olea-Azar, C., Mendizabal, F.

Theoretical study of the local reactivity of electrophiles of the type M^+R_3 ($M=Cu, Ag, Au$; $R=H, -Me, -Ph$)

(2012) Journal of Molecular Modeling, 18 (5), pp. 2021-2029. Cited 1 time.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-84861229402&partnerID=40&md5=0114af01243dd19720f17ec0cd93259b)

84861229402&partnerID=40&md5=0114af01243dd19720f17ec0cd93259b

DOCUMENT TYPE: Article

SOURCE: Scopus

Ponce, I., Silva, J.F., Oñate, R., Miranda-Rojas, S., Muñoz-Castro, A., Arratia-Pérez, R., Mendizabal, F., Zagal, J.H.

Theoretical and experimental study of bonding and optical properties of self-assembly metallophthalocyanines complexes on a gold surface. A survey of the substrate-surface interaction

(2011) *Journal of Physical Chemistry C*, 115 (47), pp. 23512-23518. Cited 2 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-82155170571&partnerID=40&md5=896862bc34d942527dbd34d681b872a5)

[82155170571&partnerID=40&md5=896862bc34d942527dbd34d681b872a5](http://www.scopus.com/inward/record.url?eid=2-s2.0-82155170571&partnerID=40&md5=896862bc34d942527dbd34d681b872a5)

DOCUMENT TYPE: Review

SOURCE: Scopus

Mendizabal, F., Donoso, D., Burgos, D.

Theoretical study of the protonation of $[\text{Pt}3(\mu\text{-L})_3(\text{L}')_3]$ (L = CO, SO₂, CNH; L' = PH₃, CNH)

(2011) *Chemical Physics Letters*, 514 (4-6), pp. 374-378.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-80053247578&partnerID=40&md5=d689bb39ce047252c4b8d2f2d5e6d55b)

[80053247578&partnerID=40&md5=d689bb39ce047252c4b8d2f2d5e6d55b](http://www.scopus.com/inward/record.url?eid=2-s2.0-80053247578&partnerID=40&md5=d689bb39ce047252c4b8d2f2d5e6d55b)

DOCUMENT TYPE: Article

SOURCE: Scopus

López-de-Luzuriaga, J.M., Monge, M., Olmos, M.E., Rodríguez-Castillo, M., Laguna, A., Mendizabal, F.

Basicity of bisperhalophenyl aurates toward closed-shell metal ions: Metallophilicity and additional interactions

(2011) *Theoretical Chemistry Accounts*, 129 (3-5), pp. 593-602. Cited 1 time.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-79955976140&partnerID=40&md5=41c721eacfcdd4d4b25ac91d9bb6b4cc)

[79955976140&partnerID=40&md5=41c721eacfcdd4d4b25ac91d9bb6b4cc](http://www.scopus.com/inward/record.url?eid=2-s2.0-79955976140&partnerID=40&md5=41c721eacfcdd4d4b25ac91d9bb6b4cc)

DOCUMENT TYPE: Article

SOURCE: Scopus

Donoso, D., Mendizabal, F.

Theoretical study of the interaction between Pt(0) and MPH₃ + fragments in complexes of the $[\text{Pt}3(\mu\text{-CO})_3(\text{PH}_3)_3\text{-MPH}_3 + (\text{M} = \text{Cu}^+, \text{Au}^+, \text{Ag}^+)]$ type

(2011) *Theoretical Chemistry Accounts*, 129 (3-5), pp. 381-387. Cited 2 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-79955932351&partnerID=40&md5=5b6c9f73d3cd4216366a050adbe76ac0)

[79955932351&partnerID=40&md5=5b6c9f73d3cd4216366a050adbe76ac0](http://www.scopus.com/inward/record.url?eid=2-s2.0-79955932351&partnerID=40&md5=5b6c9f73d3cd4216366a050adbe76ac0)

DOCUMENT TYPE: Article

SOURCE: Scopus

Mera-Adasme, R., Mendizabal, F., Olea-Azar, C., Miranda-Rojas, S., Fuentealba, P.

A computationally efficient and reliable bond order measure

(2011) *Journal of Physical Chemistry A*, 115 (17), pp. 4397-4405. Cited 2 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-79955541648&partnerID=40&md5=8d30bcd564f559c40a6d983cb3a18e7c)

[79955541648&partnerID=40&md5=8d30bcd564f559c40a6d983cb3a18e7c](http://www.scopus.com/inward/record.url?eid=2-s2.0-79955541648&partnerID=40&md5=8d30bcd564f559c40a6d983cb3a18e7c)

DOCUMENT TYPE: Article

SOURCE: Scopus

Rodríguez-Castillo, M., Monge, M., López-de-Luzuriaga, J.M., Olmos, M.E., Laguna, A., Mendizabal, F.

Theoretical study of the closed-shell d₁₀-d₁₀ Au(I)-Cu(I) attraction in complexes in extended unsupported chains

(2011) *Computational and Theoretical Chemistry*, 965 (1), pp. 163-167. Cited 1 time.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-80155171086&partnerID=40&md5=aa02f1912e108ad6694d7de8bec7f4b3>
DOCUMENT TYPE: Article
SOURCE: Scopus

Aguilera-Venegas, B., Olea-Azar, C., Norambuena, E., Arán, V.J., Mendizábal, F., Lapiere, M., Maya, J.D., Kemmerling, U., López-Muñoz, R.
ESR, electrochemical, molecular modeling and biological evaluation of 4-substituted and 1,4-disubstituted 7-nitroquinoxalin-2-ones as potential anti-Trypanosoma cruzi agents
(2011) Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 78 (3), pp. 1004-1012. Cited 5 times.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-79951517485&partnerID=40&md5=5895761a1fbcf2b7d8594385c6d0d27c>
DOCUMENT TYPE: Article
SOURCE: Scopus

Donoso, D., Mendizabal, F.
Theoretical study of the s₂-p interaction between Tl(I) and olefinic systems on hypothetical [Tl(C₂H₄)₂]⁺ and [Tl(C₂H₂)_n]⁺ (n = 2,3) complexes
(2010) Journal of the Chilean Chemical Society, 55 (4), pp. 503-505.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-79958182736&partnerID=40&md5=e5a3ba21247636840c3d15841a59b373>
DOCUMENT TYPE: Article
SOURCE: Scopus

Rodríguez-Becerra, J., Olea-Azar, C., Zapata-Torres, G., Mendizabal, F., Gonzáles, M., Cerecetto, H.
Theoretical EPR study of nitroindazoles: 3-alkoxy, 3-hydroxy and 3-oxo derivatives
(2010) Journal of the Brazilian Chemical Society, 21 (10), pp. 1937-1944.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-77958060246&partnerID=40&md5=92572c9d9584742ba261bf0dbbfc7959>
DOCUMENT TYPE: Article
SOURCE: Scopus

Mendizabal, F.
Theoretical study of the interaction between Au(I) and I on the [AuI₂]⁻I₂ complexes
(2010) Journal of Molecular Structure: THEOCHEM, 955 (1-3), pp. 71-74.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-77955091329&partnerID=40&md5=189427372ef1c4f4adfa489565b12485>
DOCUMENT TYPE: Article
SOURCE: Scopus

Mendizabal, F.
Theoretical study of {Au₃(CH₃COCH₃)₃}_n.{2,4,7-trinitro-9-urenone} (n = 1,2) complexes
(2010) International Journal of Quantum Chemistry, 110 (6), pp. 1279-1286. Cited 2 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-77950806379&partnerID=40&md5=1d6318e259053863215cbb3a1c263a95>
DOCUMENT TYPE: Article
SOURCE: Scopus

Mera, R., Mendizabal, F.

Theoretical study of the d10-s2 interaction between Au(I) and Tl(I) in the [AuCl(PH₃)₂]Tl⁺ hypothetical complex
(2009) Chemical Physics Letters, 479 (1-3), pp. 156-159. Cited 1 time.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-69249085348&partnerID=40&md5=44a06b8f68b866f63bf0b90841fcd70c>
DOCUMENT TYPE: Article
SOURCE: Scopus

Mendizabal, F., Burgos, D., Olea-Azar, C.
Theoretical study of electronic spectra of [Pt₃(μ-CO) ₃(CO)₃]_n -2 (n = 3-5) complexes
(2009) International Journal of Quantum Chemistry, 109 (3), pp. 477-482. Cited 2 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-58149239665&partnerID=40&md5=78d0ba1e34584effabb05365e48e224>
DOCUMENT TYPE: Article
SOURCE: Scopus

Jullian, C., Orosteguis, T., Pérez-Cruz, F., Sánchez, P., Mendizabal, F., Olea-Azar, C.
Complexation of morin with three kinds of cyclodextrin. A thermodynamic and reactivity study
(2008) Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 71 (1), pp. 269-275. Cited 34 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-49849105672&partnerID=40&md5=5b10239726d64ded187f2e4da9263d13>
DOCUMENT TYPE: Article
SOURCE: Scopus

Mendizabal, F., Burgos, D., Olea-Azar, C.
Theoretical study of [Hg₃(o-C₆F₄)₃]_n · {benzene} (n = 1, 2) complexes
(2008) Chemical Physics Letters, 463 (1-3), pp. 272-277. Cited 4 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-51349137375&partnerID=40&md5=05914b01fa5b883ac132ce7f9073549f>
DOCUMENT TYPE: Article
SOURCE: Scopus

Fernández, E.J., Laguna, A., López-de-Luzuriaga, J.M., Monge, M., Mendizabal, F.
Theoretical study of the aggregation of d10-s2 Au(I)-Tl(I) complexes in extended unsupported chains
(2008) Journal of Molecular Structure: THEOCHEM, 851 (1-3), pp. 121-126. Cited 5 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-39149119965&partnerID=40&md5=c29a8002e0a02d83dc584552e9b7b582>
DOCUMENT TYPE: Article
SOURCE: Scopus

Mendizabal, F.
Theoretical study of the electronic spectra of Bi- and Tri-heteronuclear platinum complexes
(2007) International Journal of Quantum Chemistry, 108 (6), pp. 1164-1172. Cited 1 time.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-40749153533&partnerID=40&md5=53add978f09153f763d930c0bef1ac56>
DOCUMENT TYPE: Article
SOURCE: Scopus

Mendizabal, F., Aguilera, B., Olea-Azar, C.

Theoretical study on electronic spectra and aurophilic attraction in $[Au_3 (MeN \{double\ bond, long\} COMe)_3]_n$ ($n = 1$ s(-) 4) complexes

(2007) Chemical Physics Letters, 447 (4-6), pp. 345-351. Cited 10 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-35248846143&partnerID=40&md5=e27a6ee700aa68768bb10775c20b299b)

35248846143&partnerID=40&md5=e27a6ee700aa68768bb10775c20b299b

DOCUMENT TYPE: Article

SOURCE: Scopus

Jullian, C., Miranda, S., Zapata-Torres, G., Mendizábal, F., Olea-Azar, C.

Studies of inclusion complexes of natural and modified cyclodextrin with (+)catechin by NMR and molecular modeling

(2007) Bioorganic and Medicinal Chemistry, 15 (9), pp. 3217-3224. Cited 43 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-33947584244&partnerID=40&md5=f79a93dddcb92edcee01fe1570fd920)

33947584244&partnerID=40&md5=f79a93dddcb92edcee01fe1570fd920

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizábal, F., Olea-Azar, C., Miranda, S.

Theoretical study of the interaction d10-d8 between Pt(0) and M(I) on the $[Pt(PH_3)_3-MPH_3]^+$ complexes ($M = Cu, Ag, Au$)

(2007) International Journal of Quantum Chemistry, 107 (6), pp. 1454-1458. Cited 1 time.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-33947577018&partnerID=40&md5=b334850540589bedbea94047e3637600)

33947577018&partnerID=40&md5=b334850540589bedbea94047e3637600

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Donoso, D., Olea-Azar, C., Mera, R.

Theoretical study of the interaction d10-s2 between Pt(0) and metals on the $[Pt(PH_3)_3M]$ complexes ($M = Hg(0), Au(-I)$)

(2007) Journal of Molecular Structure: THEOCHEM, 803 (1-3), pp. 39-44. Cited 3 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-33846633831&partnerID=40&md5=afc5ba7b1d14b0903caf2f860fc773aa)

33846633831&partnerID=40&md5=afc5ba7b1d14b0903caf2f860fc773aa

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Olea-Azar, C.

Theoretical study in $[C_2H_4-TI]^+$ and $[C_2H_2-TI]^+$ complexes

(2007) International Journal of Quantum Chemistry, 107 (1), pp. 232-239. Cited 3 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-33751550252&partnerID=40&md5=49566a8a6591a02a849d86775e953070)

33751550252&partnerID=40&md5=49566a8a6591a02a849d86775e953070

DOCUMENT TYPE: Article

SOURCE: Scopus

Rigol, C., Olea-Azar, C., Mendizábal, F., Briones, R., Cerecetto, H., González, M.

Theoretical study on 5-nitrofuryl thiosemicarbazone radicals electronic properties

(2006) Journal of Molecular Structure: THEOCHEM, 770 (1-3), pp. 125-129. Cited 4 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-33748585472&partnerID=40&md5=127c9c796bd23b6d0576b5c6e49d2fbb)

33748585472&partnerID=40&md5=127c9c796bd23b6d0576b5c6e49d2fbb

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Olea-Azar, C., Briones, R.
Theoretical study on the electronic spectrum of $[M(CN)_2]_n - n$ ($M=Au(I), Ag(I); n=1-3$) complexes
(2006) Journal of Molecular Structure: THEOCHEM, 764 (1-3), pp. 187-194. Cited 3 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-33745160993&partnerID=40&md5=1e491de06e105376f646ee4632721d71>
DOCUMENT TYPE: Article
SOURCE: Scopus

David, J., Mendizábal, F., Arratia-Pérez, R.
Electronic structure and molecular properties of the octacyanorhenate $[Re(CN)_8]^{3-}$ and $[Re(CN)_8]^{2-}$ complexes
(2006) Chemical Physics Letters, 422 (1-3), pp. 89-94. Cited 2 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-33646023995&partnerID=40&md5=673ce5c6261ea72c02fe8eeb38a43107>
DOCUMENT TYPE: Article
SOURCE: Scopus

Mendizabal, F., Reyes, D., Olea-Azar, C.
Complexes self-associate by hydrogen bonding and metallophilic attraction: Theoretical study
(2006) International Journal of Quantum Chemistry, 106 (4), pp. 906-912. Cited 4 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-33644959853&partnerID=40&md5=0c0289c3baeb4d2b7b5c773477b6f12b>
DOCUMENT TYPE: Article
SOURCE: Scopus

David, J., Mendizábal, F., Arratia-Pérez, R.
Electronic structure and molecular properties of the heptacyanorhenate $[Re(CN)_7]^{3-}$ and $[Re(CN)_7]^{4-}$ complexes
(2006) Journal of Physical Chemistry A, 110 (3), pp. 1072-1077. Cited 2 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-33644507109&partnerID=40&md5=21584fa2bf6c25e23cbf06d82c6ae2e5>
DOCUMENT TYPE: Article
SOURCE: Scopus

Olea-Azar, C., Rigol, C., Mendizábal, F., Briones, R.
Applications of electron spin resonance and spin trapping in tropical parasitic diseases
(2006) Mini-Reviews in Medicinal Chemistry, 6 (2), pp. 211-220. Cited 5 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-33646018594&partnerID=40&md5=c9ce92ab814ba5f59052654c510417a3>
DOCUMENT TYPE: Review
SOURCE: Scopus

Rigol, C., Olea-Azar, C., Mendizábal, F., Otero, L., Gambino, D., González, M., Cerecetto, H.
Electrochemical and ESR study of 5-nitrofuryl-containing thiosemicarbazones antiprotozoal drugs
(2005) Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 61 (13-14), pp. 2933-2938. Cited 23 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-24944557455&partnerID=40&md5=2d1b7b40739caa317dc98f1cafe8a2aa>

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Zapata-Torres, G., Olea-Azar, C.

Theoretical study of the interaction d10-s2 between Pt(0) and Tl(I) on the [Pt(PH₃)₃Tl]⁺ complex

(2005) Chemical Physics Letters, 412 (4-6), pp. 477-481. Cited 7 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-23944468493&partnerID=40&md5=d305ccf2c2174df2d86f7842c0bd2630)

[23944468493&partnerID=40&md5=d305ccf2c2174df2d86f7842c0bd2630](http://www.scopus.com/inward/record.url?eid=2-s2.0-23944468493&partnerID=40&md5=d305ccf2c2174df2d86f7842c0bd2630)

DOCUMENT TYPE: Article

SOURCE: Scopus

Olea-Azar, C., Rigol, C., Mendizábal, F., Cerecetto, H., Di Maio, R., González, M., Porcal, W., Morello, A., Repetto, Y., Maya, J.D.

Novel benzo[1,2-c]1,2,5-oxadiazole N-oxide derivatives as antichagasic agents: Chemical and biological studies

(2005) Letters in Drug Design and Discovery, 2 (4), pp. 294-301. Cited 23 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-20644470328&partnerID=40&md5=624a97fe2fa2c2e23d58116d8a3914e0)

[20644470328&partnerID=40&md5=624a97fe2fa2c2e23d58116d8a3914e0](http://www.scopus.com/inward/record.url?eid=2-s2.0-20644470328&partnerID=40&md5=624a97fe2fa2c2e23d58116d8a3914e0)

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Olea-Azar, C.

Theoretical study of the electronic spectrum of binuclear gold(I) complexes

(2005) International Journal of Quantum Chemistry, 103 (1), pp. 34-44. Cited 8 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-19944363185&partnerID=40&md5=0f89754cb2c463b17a9b621334bc852e)

[19944363185&partnerID=40&md5=0f89754cb2c463b17a9b621334bc852e](http://www.scopus.com/inward/record.url?eid=2-s2.0-19944363185&partnerID=40&md5=0f89754cb2c463b17a9b621334bc852e)

DOCUMENT TYPE: Article

SOURCE: Scopus

Fernández, E.J., López-De-Luzuriaga, J.M., Monge, M., Montiel, M., Olmos, M.E., Pérez, J., Laguna, A., Mendizabal, F., Mohamed, A.A., Fackler Jr., J.P.

A detailed study of the vapochromic behavior of {Tl[Au(C₆Cl₅)₂]}_n

(2004) Inorganic Chemistry, 43 (12), pp. 3573-3581. Cited 68 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-18544410676&partnerID=40&md5=c63c349dd5e4d4c46f5cef61f687ac57)

[18544410676&partnerID=40&md5=c63c349dd5e4d4c46f5cef61f687ac57](http://www.scopus.com/inward/record.url?eid=2-s2.0-18544410676&partnerID=40&md5=c63c349dd5e4d4c46f5cef61f687ac57)

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Pyykkö, P.

Aurophilic attraction in binuclear complexes with Au(I) and Au(III). A theoretical study

(2004) Physical Chemistry Chemical Physics, 6 (5), pp. 900-905. Cited 35 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-1642416732&partnerID=40&md5=1ca43c426963e37b1cdc769c9a33c96e)

[1642416732&partnerID=40&md5=1ca43c426963e37b1cdc769c9a33c96e](http://www.scopus.com/inward/record.url?eid=2-s2.0-1642416732&partnerID=40&md5=1ca43c426963e37b1cdc769c9a33c96e)

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizábal, F., Santa Ana, M.A., Benavente, E., González, G.

Quantum chemical model for lithium electrochemical intercalation into molybdenum disulfide

(2003) Journal of the Chilean Chemical Society, 48 (4), pp. 69-75. Cited 1 time.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-1842630294&partnerID=40&md5=a61c41363309d306f20e8e51573d0076)

[1842630294&partnerID=40&md5=a61c41363309d306f20e8e51573d0076](http://www.scopus.com/inward/record.url?eid=2-s2.0-1842630294&partnerID=40&md5=a61c41363309d306f20e8e51573d0076)

DOCUMENT TYPE: Article

SOURCE: Scopus

Cerón, M.L., Mendizabal, F.

Theoretical study of copper-carbonyls interaction in $\text{Cu}(\text{CO})_N$ ($N=1-2$) complexes (2003) *Journal of the Chilean Chemical Society*, 48 (4), pp. 81-87.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-1842681090&partnerID=40&md5=ba1ac7d0ea954fbd2b41779071bdca7e)

1842681090&partnerID=40&md5=ba1ac7d0ea954fbd2b41779071bdca7e

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Zapata-Torres, G., Olea-Azar, C.

Theoretical study of the d10-d8 interaction between Au(I) and Au(III) on the cis/trans- $[\text{PH}_3\text{Au}(\text{I})\text{C}(\text{L})=\text{C}(\text{L})\text{Au}(\text{III})(\text{R})_2\text{PH}_3]$ ($\text{R}=\text{H}, -\text{CH}_3$; $\text{L}=\text{H}, -\text{CH}_3$) systems (2003) *Chemical Physics Letters*, 382 (1-2), pp. 92-99. Cited 21 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0345714748&partnerID=40&md5=d61e734fbfac6598d195126775497ae9)

0345714748&partnerID=40&md5=d61e734fbfac6598d195126775497ae9

DOCUMENT TYPE: Article

SOURCE: Scopus

Saavedra, M., Campos-Vallette, M., Clavijo, R.E., Mendizabal, F., Díaz, G., García-Ramos, J.V., Sánchez-Cortés, S.

Vibrational study of sub-2,3-boronaphthalocyanine chlorine adsorbed on metal surfaces

(2003) *Vibrational Spectroscopy*, 32 (2), pp. 155-166. Cited 3 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0041510579&partnerID=40&md5=580a231add0b2ae551dbe44a9a32e7eb)

0041510579&partnerID=40&md5=580a231add0b2ae551dbe44a9a32e7eb

DOCUMENT TYPE: Article

SOURCE: Scopus

Olea-Azar, C., Rigol, C., Mendizabal, F., Morello, A., Maya, J.D., Moncada, C., Cabrera, E., Di Maio, R., González, M., Cerecetto, H.

ESR spin trapping studies of free radicals generated from nitrofurantoin derivatives analogues of nifurtimox by electrochemical and *Trypanosoma cruzi* reduction (2003) *Free Radical Research*, 37 (9), pp. 993-1001. Cited 34 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-10744228533&partnerID=40&md5=de491577d0f499bdeeb0e3fe9581df48)

10744228533&partnerID=40&md5=de491577d0f499bdeeb0e3fe9581df48

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Pykkö, P., Runeberg, N.

Aurophilic attraction: The additivity and the combination with hydrogen bonds (2003) *Chemical Physics Letters*, 370 (5-6), pp. 733-740. Cited 31 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0037459307&partnerID=40&md5=473eab302c0b0f470b4904647c57c089)

0037459307&partnerID=40&md5=473eab302c0b0f470b4904647c57c089

DOCUMENT TYPE: Article

SOURCE: Scopus

Fernández, E.J., Laguna, A., López-de-Luzuriaga, J.M., Mendizabal, F., Monge, M., Olmos, M.E., Pérez, J.

Theoretical and photoluminescence studies on the d10-s2 AuI-TII interaction in extended unsupported chains

(2003) *Chemistry - A European Journal*, 9 (2), pp. 456-465. Cited 46 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0347928750&partnerID=40&md5=3fb1ca837de934078156e9fb6705ab4d)

0347928750&partnerID=40&md5=3fb1ca837de934078156e9fb6705ab4d

DOCUMENT TYPE: Article

SOURCE: Scopus

Olea-Azar, C., Rigol, C., Mendizábal, F., Briones, R., Cerecetto, H., Di Maio, R., Risso, M., González, M., Porcal, W.

Electrochemical and microsomal production of free radicals from 1,2,5-oxadiazole N-oxide as potential antiprotozoal drugs

(2003) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 59 (1), pp. 69-74. Cited 31 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0037207595&partnerID=40&md5=8ba428e5f03168a64af430b1e1edacf1)

[0037207595&partnerID=40&md5=8ba428e5f03168a64af430b1e1edacf1](http://www.scopus.com/inward/record.url?eid=2-s2.0-0037207595&partnerID=40&md5=8ba428e5f03168a64af430b1e1edacf1)

DOCUMENT TYPE: Article

SOURCE: Scopus

Diaz, C., Cabezas, N., Mendizabal, F.

New entry to piano -stool electron rich (pentamethyl cyclopentadienyl) iron complexes

(2002) *Boletín de la Sociedad Chilena de Química*, 47 (3), pp. 213-220. Cited 3 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0036391702&partnerID=40&md5=90d8e8dc0e7b56a1d6f2a07072227990)

[0036391702&partnerID=40&md5=90d8e8dc0e7b56a1d6f2a07072227990](http://www.scopus.com/inward/record.url?eid=2-s2.0-0036391702&partnerID=40&md5=90d8e8dc0e7b56a1d6f2a07072227990)

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Olea-Azar, C.

Basis set effects on B3LYP geometries and energies: Case study of interstellar

reaction $\text{HN}=\text{CH}_2 + \bullet\text{C}\equiv\text{N} \rightarrow \text{H}_2\text{N}-\text{C}(\bullet)\text{H}-\text{C}\equiv\text{N}$

(2002) *International Journal of Quantum Chemistry*, 87 (2), pp. 101-109. Cited 2 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0037086307&partnerID=40&md5=161f57683e19b57061231f07372bb362)

[0037086307&partnerID=40&md5=161f57683e19b57061231f07372bb362](http://www.scopus.com/inward/record.url?eid=2-s2.0-0037086307&partnerID=40&md5=161f57683e19b57061231f07372bb362)

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F.

Phthalocyanoruthenium complexes and polymers with bridged ligands

(2002) *Journal of Molecular Structure: THEOCHEM*, 579, pp. 169-179. Cited 1 time.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0036498322&partnerID=40&md5=c21aaf2f378896483e9fec474f042127)

[0036498322&partnerID=40&md5=c21aaf2f378896483e9fec474f042127](http://www.scopus.com/inward/record.url?eid=2-s2.0-0036498322&partnerID=40&md5=c21aaf2f378896483e9fec474f042127)

DOCUMENT TYPE: Article

SOURCE: Scopus

Benavente, E., Santa Ana, M.A., Mendizábal, F., González, G.

Intercalation chemistry of molybdenum disulfide

(2002) *Coordination Chemistry Reviews*, 224 (1-2), pp. 87-109. Cited 105 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0036165131&partnerID=40&md5=ab13ea5b31c84a43ec1add68a504a2fa)

[0036165131&partnerID=40&md5=ab13ea5b31c84a43ec1add68a504a2fa](http://www.scopus.com/inward/record.url?eid=2-s2.0-0036165131&partnerID=40&md5=ab13ea5b31c84a43ec1add68a504a2fa)

DOCUMENT TYPE: Review

SOURCE: Scopus

Diaz, C., Mendizabal, F.

Exponential decay of a charge transfer induced by coordination in organometallic complexes

(2001) *Boletín de la Sociedad Chilena de Química*, 46 (3), pp. 293-299. Cited 2 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-1642340697&partnerID=40&md5=f2e5749c09a432ef6dc3dfdf117bec5b)

[1642340697&partnerID=40&md5=f2e5749c09a432ef6dc3dfdf117bec5b](http://www.scopus.com/inward/record.url?eid=2-s2.0-1642340697&partnerID=40&md5=f2e5749c09a432ef6dc3dfdf117bec5b)

DOCUMENT TYPE: Article

SOURCE: Scopus

Campos-Vallette, M., Saavedra, M.S., Diaz, G.F., Clavijo, R.E., Martinez, Y., Mendizabal, F., Costamagna, J., Canales, J.C., García-Ramos, J.V., Sanchez-Cortés, S.

Surface-enhanced vibrational study of azabipiridyl and its Co(II), Ni(II) and Cu(II) complexes

(2001) *Vibrational Spectroscopy*, 27 (1), pp. 15-27. Cited 6 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035969308&partnerID=40&md5=2a5a622c80a9a8aef13c6bfeb97502e8)

[0035969308&partnerID=40&md5=2a5a622c80a9a8aef13c6bfeb97502e8](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035969308&partnerID=40&md5=2a5a622c80a9a8aef13c6bfeb97502e8)

DOCUMENT TYPE: Article

SOURCE: Scopus

Canales, S., Crespo, O., Gimeno, M.C., Jones, P.G., Laguna, A., Mendizabal, F. Mixed gold(I)-gold(III) complexes with bridging selenido ligands. Theoretical studies of the gold(I)-gold(III) interactions

(2001) *Organometallics*, 20 (23), pp. 4812-4818. Cited 30 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035851957&partnerID=40&md5=d62a87703a4516c2a19c30b725b4d726)

[0035851957&partnerID=40&md5=d62a87703a4516c2a19c30b725b4d726](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035851957&partnerID=40&md5=d62a87703a4516c2a19c30b725b4d726)

DOCUMENT TYPE: Article

SOURCE: Scopus

Olea-Azar, C., Mendizábal, F., Alarcón, J., Briones, R., Cassels, B.K., Delgado-Castro, T., Araya-Maturana, R.

Electron spin resonance studies and theoretical quantum calculations of free radicals generated from anthracenetrione by electrochemical and microsomal reduction

(2001) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 57 (9), pp. 1889-1895. Cited 7 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0034743246&partnerID=40&md5=af6dc30cfb48143f9d301978cf554870)

[0034743246&partnerID=40&md5=af6dc30cfb48143f9d301978cf554870](http://www.scopus.com/inward/record.url?eid=2-s2.0-0034743246&partnerID=40&md5=af6dc30cfb48143f9d301978cf554870)

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Olea-Azar, C., Zapata-Torres, G., Eisner, F.

Metallomacrocyclic complex bridged polymers: Electronic structures of $[\text{MacM}(\text{L})]_n$

(2001) *Journal of Molecular Structure: THEOCHEM*, 543, pp. 23-37. Cited 1 time.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035933341&partnerID=40&md5=4e0007f408b09052c618ba6b5e5b3477)

[0035933341&partnerID=40&md5=4e0007f408b09052c618ba6b5e5b3477](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035933341&partnerID=40&md5=4e0007f408b09052c618ba6b5e5b3477)

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Olea-Azar, C., Briones, R.

Phthalocyanoneiron complex with bridged ligands. Electronic structure of monomers and polymers

(2001) *International Journal of Quantum Chemistry*, 82 (4), pp. 170-181. Cited 5 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035871434&partnerID=40&md5=ee3963bc038ed1024442025b7c55c2a6)

[0035871434&partnerID=40&md5=ee3963bc038ed1024442025b7c55c2a6](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035871434&partnerID=40&md5=ee3963bc038ed1024442025b7c55c2a6)

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F.

Theoretical study of gold-carbonyls interaction in $\text{Au}(\text{CO})_n$ ($n = 1-3$) complexes

(2001) *Organometallics*, 20 (2), pp. 261-265. Cited 18 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035121202&partnerID=40&md5=078479b5ea28f55673a185040d7b3232)

[0035121202&partnerID=40&md5=078479b5ea28f55673a185040d7b3232](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035121202&partnerID=40&md5=078479b5ea28f55673a185040d7b3232)

DOCUMENT TYPE: Article

SOURCE: Scopus

Campos-Vallette, M.M., Clavijo, R.E.C., Costamagna, J., Canales, J., Diaz, G.F., Mendizabal, F.E., Ramirez, J.M., Saavedra, M.S.
Vibrational and theoretical study of azabipiridyl macrocycle and its Ni(II), Cu(II) and Zn(II) complexes deposited onto a smooth copper surface
(2000) *Vibrational Spectroscopy*, 23 (1), pp. 39-49. Cited 6 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-0001931384&partnerID=40&md5=46f383dac512f5f69c5812f91e2e260f>
DOCUMENT TYPE: Article
SOURCE: Scopus

Mendizabal, F.
Theoretical study of the Au-ethylene interaction
(1999) *International Journal of Quantum Chemistry*, 73 (3), pp. 317-324. Cited 8 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-0008787464&partnerID=40&md5=a00195f54ff18c130a83663ac1f4939c>
DOCUMENT TYPE: Article
SOURCE: Scopus

Díaz, C., Izquierdo, I., Mendizábal, F., Yutronic, N.
Iron and ruthenium organometallic derivatives of spiro-substituted cyclotriphosfazenes bearing nitrile spacer: Synthesis and electronic structure
(1999) *Inorganica Chimica Acta*, 294 (1), pp. 20-27. Cited 25 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-00038526250&partnerID=40&md5=d46d86e3083008a02c86fa8382ee9632>
DOCUMENT TYPE: Article
SOURCE: Scopus

Pyykkö, P., Mendizabal, F.
Theory of d¹⁰ - d¹⁰ Closed-Shell Attraction. III. Rings
(1998) *Inorganic Chemistry*, 37 (12), pp. 3018-3025. Cited 164 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-0001381591&partnerID=40&md5=17871f167c4bbc4ddc038b37268ff132>
DOCUMENT TYPE: Article
SOURCE: Scopus

Olea-Azar, C., Atria, A.M., Mendizabal, F., Di Maio, R., Seoane, G., Cerecetto, H.
Cyclic voltammetry and electron paramagnetic resonance studies of some analogues of nifurtimox
(1998) *Spectroscopy Letters*, 31 (1), pp. 99-109. Cited 29 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-0002563021&partnerID=40&md5=d24309e6e6d14dd2291d6e39bc712f4e>
DOCUMENT TYPE: Article
SOURCE: Scopus

Saavedra S., M., Mendizabal, F., Campos-Vallette, M.M., Clavijo C., R.E., Diaz F., G.
Infrared and theoretical interpretation of the structure of naphthalocyanine and its copper(II) complex deposited onto a smooth copper surface
(1998) *Vibrational Spectroscopy*, 18 (1-3), pp. 25-32. Cited 13 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-0001978411&partnerID=40&md5=0034eab5fc57221776f78f4b332d4d55>
DOCUMENT TYPE: Article
SOURCE: Scopus

Mendizábal, F., Contreras, R., Aizman, A.

Molecular modelling of lithium intercalation in 1T-TiS₂

(1997) *Journal of Physics Condensed Matter*, 9 (14), pp. 3011-3021. Cited 15 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0000238291&partnerID=40&md5=ca4bc6ef9b004d0a71aca74e66fd4518)

[0000238291&partnerID=40&md5=ca4bc6ef9b004d0a71aca74e66fd4518](http://www.scopus.com/inward/record.url?eid=2-s2.0-0000238291&partnerID=40&md5=ca4bc6ef9b004d0a71aca74e66fd4518)

DOCUMENT TYPE: Article

SOURCE: Scopus

Campos-Vallette, M.M., Clavijo, C.R.E., Mendizabal, F., Diaz, F.G., Costamagna, J., Canales, J., Vargas, J.

Vibrational study and semiempirical calculation for the hexaazacyclophane copper(II) complex

(1997) *Vibrational Spectroscopy*, 14 (1), pp. 71-78. Cited 6 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0002841628&partnerID=40&md5=b5abf142d3dc5c6ddcb4f85c5b12ecba)

[0002841628&partnerID=40&md5=b5abf142d3dc5c6ddcb4f85c5b12ecba](http://www.scopus.com/inward/record.url?eid=2-s2.0-0002841628&partnerID=40&md5=b5abf142d3dc5c6ddcb4f85c5b12ecba)

DOCUMENT TYPE: Article

SOURCE: Scopus

Pyykkö, P., Mendizabal, F.

Theory of the d₁₀-d₁₀ closed-shell attraction: 2. Long-distance behaviour and nonadditive effects in dimers and trimers of type [(X-An-L)(n)] (n = 2, 3; X = Cl, I, H; L = PH₃, PMe₃, -N≡CH)

(1997) *Chemistry - A European Journal*, 3 (9), pp. 1458-1465. Cited 132 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0030869971&partnerID=40&md5=0917aac547e056706d5cbe2d31734534)

[0030869971&partnerID=40&md5=0917aac547e056706d5cbe2d31734534](http://www.scopus.com/inward/record.url?eid=2-s2.0-0030869971&partnerID=40&md5=0917aac547e056706d5cbe2d31734534)

DOCUMENT TYPE: Article

SOURCE: Scopus

Pyykkö, P., Runeberg, N., Mendizabal, F.

Theory of the d₁₀-d₁₀ closed-shell attraction: 1. Dimers near equilibrium

(1997) *Chemistry - A European Journal*, 3 (9), pp. 1451-1457. Cited 299 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0030833199&partnerID=40&md5=7a7c232452d6e5395f56b8dff962aac5)

[0030833199&partnerID=40&md5=7a7c232452d6e5395f56b8dff962aac5](http://www.scopus.com/inward/record.url?eid=2-s2.0-0030833199&partnerID=40&md5=7a7c232452d6e5395f56b8dff962aac5)

DOCUMENT TYPE: Article

SOURCE: Scopus

Campos-Vallette, M.M., Clavijo, R.E., Mendizabal, F., Zamudio, W., Baraona, R., Diaz, G.

Infrared spectrum of the bis-(1,10-phenanthroline) Cu(I) and Cu(II) perchlorate complexes

(1996) *Vibrational Spectroscopy*, 12 (1), pp. 37-44. Cited 19 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0002324180&partnerID=40&md5=ef603f033070237d7405435c8f6efad1)

[0002324180&partnerID=40&md5=ef603f033070237d7405435c8f6efad1](http://www.scopus.com/inward/record.url?eid=2-s2.0-0002324180&partnerID=40&md5=ef603f033070237d7405435c8f6efad1)

DOCUMENT TYPE: Article

SOURCE: Scopus

Mendizabal, F., Contreras, R., Aizman, A.

The electronic chemical potential as a basis for a cluster model approximation for intercalation of Li in 1T - TiS₂

(1995) *Journal of Molecular Structure: THEOCHEM*, 335 (1-3), pp. 161-166. Cited 4 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-4043105425&partnerID=40&md5=86ea55d60b792a81c2158ca96cd8c737)

[4043105425&partnerID=40&md5=86ea55d60b792a81c2158ca96cd8c737](http://www.scopus.com/inward/record.url?eid=2-s2.0-4043105425&partnerID=40&md5=86ea55d60b792a81c2158ca96cd8c737)

DOCUMENT TYPE: Article

SOURCE: Scopus

Contreras, R.R., Mendizabal, F., Aizman, A.J.
Energy-density relationships for the treatment of ion solvation within density-functional theory
(1994) Physical Review A, 49 (5), pp. 3439-3444. Cited 3 times.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-0011455499&partnerID=40&md5=72c5b4b0bd1e16eef09be9e5dcf0c793>
DOCUMENT TYPE: Article
SOURCE: Scopus

Contreras, R.R., Mendizabal, F., Aizman, A.
Modeling the interaction of a neutral polymer with small ions in solution. A theoretical study of ion binding to a neutral polymer
(1992) Molecular Engineering, 2 (3), pp. 287-295.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-34249837779&partnerID=40&md5=2190eb66568fab70ea669281df107157>
DOCUMENT TYPE: Article
SOURCE: Scopus

PROYECTOS DE INVESTIGACIÓN:

COINVESTIGADOR. 1110029 EVALUATION AND DESIGN OF A NEW FAMILY OF 1,3 DISUBSTITUTED 5-NITROINDAZOLES AND RUTHENIUM COMPLEXES AS POTENTIAL AGENTS AGAINST CHAGAS DISEASE. 2011

INVESTIGADOR RESPONSIBLE. 1100162 THEORETICAL AB INITIO STUDY IN INTERACTIONS BETWEEN M₃ CLUSTERS (M = PT, AU, HG) AND INORGANIC FRAGMENTS AND MOLECULES. 2010

COINVESTIGADOR. 1090029 QUINUCLIDINE ACTIVE DERIVATIVES: INTERACTIONS WITH UREA SUPRAMOLECULAR HOST AND WITH METAL NANOPARTICLES. 2009

COINVESTIGADOR. 1071068 ESTUDIO DE NUEVAS FAMILIAS DE NITROCOMPUESTOS Y COMPLEJOS DE RUTENIO CON LIGANDOS TIOSEMICARBAZONAS CON POTENCIALES AGENTES ANTIPARASITARIAS, USANDO METODOLOGIAS DE RESONANCIA DE ESPIN ELECTRONICO, SPIN TRAPPING, Y EVALUACIONES BIOLOGIC. 2007

INVESTIGADOR RESPONSABLE. 1060044 ESTUDIO TEORICO EN INTERACCIONES SECUNDARIAS NO COVALENTES EN QUIMICA INORGANICA SUPRAMOLECULAR DE COMPLEJOS METALICOS Y NO METALICOS. 2006

COINVESTIGADOR. 1050344 ELEMENTOS DE ARQUITECTURA MOLECULAR. AUTO-ORDENAMIENTO LAMINAR SOBRE SUBSTRATOS SOLIDOS. DISEÑO, ESTRATEGIAS DE SINTESIS Y APLICACIONES. 2005

COINVESTIGADOR. 1030949 ESTUDIO DE NUEVAS FAMILIAS DE NITROCOMPUESTOS Y N, N-DIOXIDOS DE FENAZINA COMO POTENCIALES ANTIPARASITARIAS USANDO METODOLOGIAS DE RESONANCIA DE ESPIN ELECTRONICO, SPIN TRAPPING, Y EVALUACIONES BIOLOGICAS. 2003

INVESTIGADOR RESPONSABLE. 1020141 ESTUDIO TEORICO DE LAS ATRACCIONES DEBILES DEL TIPO VAN DER WAALS QUE INVOLUCRAN A CENTROS METALICOS DE Au, Hg, Tl, Ag, y Cu. 2002

COINVESTIGADOR. 1010924 SINTESIS Y PROPIEDADES QUIMIONICA DE AGREGADOS SUPRAMOLECULARES ORGANICO-INORGANICOS GENERADOS POR AUTOORDENAMIENTO DE DERIVADOS METALICOS SOBRE MESOFASES LAMINARES. 2001

COINVESTIGADOR. 1000834 ESTUDIO DE FAMILIA DE QUINONAS Y N-OXIDOS COMO POTENCIALES ANTIPARASITARIOS UTILIZANDO METODOLOGIAS DE RESONANCIA DE SPIN ELECTRONICO, TECNICA DE SPIN TRAPPING Y EVALUACIONES BIOLOGICAS. 2000