



Nombres:

VÍCTOR

Apellidos:

VARGAS CORTÉS

Contacto (Opcional):

VICTOR@UCHILE.CL

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

PROFESOR DE FÍSICA, UNIVERSIDAD DE CHILE, 1975.

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

MAGÍSTER EN CIENCIAS QUÍMICAS, UNIVERSIDAD DE CHILE, 1985

Actividad Actual e Institución en la cual trabaja:

PROFESOR ASOCIADO DE LA UNIVERSIDAD DE CHILE. DEPARTAMENTO DE QUÍMICA, FACULTAD DE CIENCIAS.

Reseña de su actividad laboral actual:

Área de Investigación: Luminiscencia

Línea de Investigación: Reacciones de transferencia protónica intramolecular en el primer estado electrónico excitado en bases de Schiff; Fluorescencia amplificada por superficies metálicas nano-estructuradas.

PUBLICACIONES INDEXADAS:

Ríos, H.E., González-Navarrete, J., Vargas, V., Urzúa, M.D.
Surface properties of cationic polyelectrolytes hydrophobically modified

(2011) Colloids and Surfaces A: Physicochemical and Engineering Aspects, 384 (1-3), pp. 262-267. Cited 2 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-79959783091&partnerID=40&md5=fb8535a34b51212044a1cb9c112aef1e)

[79959783091&partnerID=40&md5=fb8535a34b51212044a1cb9c112aef1e](http://www.scopus.com/inward/record.url?eid=2-s2.0-79959783091&partnerID=40&md5=fb8535a34b51212044a1cb9c112aef1e)

DOCUMENT TYPE: Article

SOURCE: Scopus

Cañete, P., Ríos, H.E., Vargas, V., Ronco, S., Isaacs, M., Urzúa, M.D.

Detection of hydrophobic microdomains in anionic polyelectrolytes with tris-(4,7-diphenyl-1,10-phenanthroline)3Cr(III)

(2008) Journal of Colloid and Interface Science, 318 (2), pp. 183-187. Cited 7 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-37449034975&partnerID=40&md5=51b3bf38b383014f4575eaa0892d11c6)

[37449034975&partnerID=40&md5=51b3bf38b383014f4575eaa0892d11c6](http://www.scopus.com/inward/record.url?eid=2-s2.0-37449034975&partnerID=40&md5=51b3bf38b383014f4575eaa0892d11c6)

DOCUMENT TYPE: Article

SOURCE: Scopus

Araya, C.G., Vargas, V., Morales, R.G.E.

$1\pi \rightarrow 1\pi^*$ ultraviolet absorption bands and electronic charge transfers in singlet excited states of sulfur aromatic heterocycles

(2005) Spectroscopy Letters, 38 (4-5), pp. 605-616. Cited 1 time.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-23044437970&partnerID=40&md5=1249dfbed0e2d6be7151af205af7b18d)

[23044437970&partnerID=40&md5=1249dfbed0e2d6be7151af205af7b18d](http://www.scopus.com/inward/record.url?eid=2-s2.0-23044437970&partnerID=40&md5=1249dfbed0e2d6be7151af205af7b18d)

DOCUMENT TYPE: Article

SOURCE: Scopus

Leiva, M.A., Vargas, V., Morales, R.G.E.

Bridge effect of the C=N bond and long distance electronic effects of electron-donor (D) substituents on N-(4-D-benzylidene)-4-nitroanilines and N-(4-nitrobenzylidene)-4-D-aniline

(2002) Spectroscopy Letters, 35 (4), pp. 611-624. Cited 2 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0038748430&partnerID=40&md5=9b7f3cc38e1cf9ee5bb9cb177e89709d)

[0038748430&partnerID=40&md5=9b7f3cc38e1cf9ee5bb9cb177e89709d](http://www.scopus.com/inward/record.url?eid=2-s2.0-0038748430&partnerID=40&md5=9b7f3cc38e1cf9ee5bb9cb177e89709d)

DOCUMENT TYPE: Article

SOURCE: Scopus

Morales, R.G.E., Jara, G.P., Vargas, V.

Ultraviolet absorption bands and electronic charge transfers of salicylideneanilines in singlet excited states

(2001) Spectroscopy Letters, 34 (1), pp. 1-12. Cited 6 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035745614&partnerID=40&md5=e5c9dc37feb03070d310765b27b93332)

[0035745614&partnerID=40&md5=e5c9dc37feb03070d310765b27b93332](http://www.scopus.com/inward/record.url?eid=2-s2.0-0035745614&partnerID=40&md5=e5c9dc37feb03070d310765b27b93332)

DOCUMENT TYPE: Article

SOURCE: Scopus

Vargas, V., Amigo, L.

A study of the tautomers of N-salicylidene-p-X-aniline compounds in methanol

(2001) Journal of the Chemical Society, Perkin Transactions 2, (7), pp. 1124-1129.

Cited 27 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0034743081&partnerID=40&md5=0ac831ab9a14e0358f6cc38139f18637)

[0034743081&partnerID=40&md5=0ac831ab9a14e0358f6cc38139f18637](http://www.scopus.com/inward/record.url?eid=2-s2.0-0034743081&partnerID=40&md5=0ac831ab9a14e0358f6cc38139f18637)

DOCUMENT TYPE: Article

SOURCE: Scopus

Morales, R.G.E., Jara, G.P., Vargas, V.

Spectroscopic scale protection factor (SSPF) of solar ultraviolet radiation molecular screens.: I. Salicylidene compounds
(1998) Journal of Photochemistry and Photobiology A: Chemistry, 119 (2), pp. 143-146.
Cited 7 times.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-0000371351&partnerID=40&md5=4026c4f0a59098cf1247a12dc17236b7>

DOCUMENT TYPE: Article

SOURCE: Scopus

Morales, R.G.E., Parrini, F., Vargas, V.
Intermolecular proton transfer process in sulfur tautomeric heterocycles. I. A quantum chemical approach
(1998) Phosphorus, Sulfur and Silicon and Related Elements, 133, pp. 1-11. Cited 3 times.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-0032236824&partnerID=40&md5=dbfedd873c6beac449defa04761300c2>

DOCUMENT TYPE: Article

SOURCE: Scopus

Mancilla, A., Vargas, V., Izquierdo, L.
Laminin promotes in vitro outgrowth of mouse trophoblast from blastocysts cultured in hanging drop
(1997) Biocell, 21 (3), pp. 167-174.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-3042978610&partnerID=40&md5=0e9ec3292c958b011ef1eab8377aea82>

DOCUMENT TYPE: Article

SOURCE: Scopus

Morales, R.G.E., Vargas, V., Hernández, C.
Bridge effect in charge transfer absorption bands of para-substituted β -nitrostyrenes
(1997) Spectroscopy, 13 (3), pp. 201-206. Cited 2 times.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-0037936715&partnerID=40&md5=f1b593a2a7050fc51db661110829f0d9>

DOCUMENT TYPE: Article

SOURCE: Scopus

Leiva, M.A., Morales, R.G.E., Vargas, V.
Internal rotational barriers by quantum chemical methods. Aromatic carbonyl compounds
(1996) Journal of Physical Organic Chemistry, 9 (7), pp. 455-458. Cited 5 times.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-0038274015&partnerID=40&md5=ff51325181b41d7aafa7568a42cfaaf7>

DOCUMENT TYPE: Article

SOURCE: Scopus

Morales, R.G.E., Vargas, V., Hernández, C.
Bridge effect in charge transfer absorption bands. para-substituted benzylideneacetones
(1996) Spectroscopy Letters, 29 (6), pp. 1025-1033. Cited 5 times.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-0001521842&partnerID=40&md5=9e876f6e4740b1e7e2e24402cc200d15>

DOCUMENT TYPE: Article

SOURCE: Scopus

Lasagna, M., Vargas, V., Jameson, D.M., Brunet, J.E.

Spectral properties of environmentally sensitive probes associated with horseradish peroxidase

(1996) *Biochemistry*, 35 (3), pp. 973-979. Cited 18 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0030023342&partnerID=40&md5=b86a1c031fa28baa5d40b85e88c94a27)

[0030023342&partnerID=40&md5=b86a1c031fa28baa5d40b85e88c94a27](http://www.scopus.com/inward/record.url?eid=2-s2.0-0030023342&partnerID=40&md5=b86a1c031fa28baa5d40b85e88c94a27)

DOCUMENT TYPE: Article

SOURCE: Scopus

Brunet, J.E., Vargas, V., Gratton, E., Jameson, D.M.

Hydrodynamics of horseradish peroxidase revealed by global analysis of multiple fluorescence probes

(1994) *Biophysical Journal*, 66 (2 I), pp. 446-453. Cited 17 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0028012732&partnerID=40&md5=783b810ec0a7cf56ec8b6804dcd87aea)

[0028012732&partnerID=40&md5=783b810ec0a7cf56ec8b6804dcd87aea](http://www.scopus.com/inward/record.url?eid=2-s2.0-0028012732&partnerID=40&md5=783b810ec0a7cf56ec8b6804dcd87aea)

DOCUMENT TYPE: Article

SOURCE: Scopus

Vargas, V., Brunet, J.E., Jameson, D.M.

Oxygen diffusion near the heme binding site of horseradish peroxidase

(1991) *Biochemical and Biophysical Research Communications*, 178 (1), pp. 104-109. Cited 3 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-0025883412&partnerID=40&md5=4d8596223d0c9825b3127cea92c6dfa0)

[0025883412&partnerID=40&md5=4d8596223d0c9825b3127cea92c6dfa0](http://www.scopus.com/inward/record.url?eid=2-s2.0-0025883412&partnerID=40&md5=4d8596223d0c9825b3127cea92c6dfa0)

DOCUMENT TYPE: Article

SOURCE: Scopus

Barraza, R., Campos-Vallette, M., Figueroa, K., Manríquez, V., Vargas, V.C.

Hydrogen bond effect on the molecular vibrations of indole

(1990) *Spectrochimica Acta Part A: Molecular Spectroscopy*, 46 (9), pp. 1375-1380. Cited 15 times.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-1542565057&partnerID=40&md5=17f7a415b5832405546c0101f2157947)

[1542565057&partnerID=40&md5=17f7a415b5832405546c0101f2157947](http://www.scopus.com/inward/record.url?eid=2-s2.0-1542565057&partnerID=40&md5=17f7a415b5832405546c0101f2157947)

DOCUMENT TYPE: Article

SOURCE: Scopus

Actualización, mayo 2014