

## PUBLICACIONES ISI - AÑO 2013

	NOMBRE COMPLETO	TITULO ARTICULO	REVISTA
1	Gómez Geraldo, Héctor	The alpha power tobit model	Communications in Statistics, 42: Págs. 633-643
2	Gómez Geraldo, Héctor	Asymmetric regression models with limited responses with an application to antibody response to vaccine	Biometrical Journal 00, 1-17
3	Cisternas Arapio, Luis	Methodology for process analysis and design with multiple objectives under uncertainty : application to flotation circuits	International Journal of Mineral Processing , 118 pag 15-27
4	Cisternas Arapio, Luis	Arsenic rejection flotation circuit design and selection based on a multipleobjective evaluation	Minerals Engineering
5	Sotomayor Aguirre, Adrián	Supersymmetry breaking , conserved charges and stability in N=1 super KdV	Journal of Physics: Conference Series
6	Sotomayor Aguirre, Adrián	Non-perturbative analysis of the gravitational energy in Horava Theory	Journal of Physics: Conference Series
7	Taboada Meneses, María Elisa Galleguillos, Héctor Graber Seguel, Teófilo	Behavior of sodium nitrate and caliche mineral in seawater: solubility and physicochemical properties at different temperature and concentrations	Hidrometallurgy
8	Galleguillos, Héctor Brito Bobadilla, Iván Graber Seguel, Teófilo	Thermophysical Properties of a New Dicationic Ionic Liquid	Journal of chemical and engineering data
9	Galleguillos, Héctor Graber Seguel, Teófilo Taboada M., María Elisa	Effect of seawater on the solubility and physicochemical properties of acidic copper sulfate solutions	Journal of chemical and engineering data
10	Simirgiotis, Mario Juan Bórquez Ramírez, Jorge	The passiflora tripartita ( banana passion) fruit a source of bioactive flavonoid C Glycosides isolet by HSCCC and Characterized by HPLC DAD ESI	Molecules
11	Esparza Mantilla, Mario	Anaerobic Sulfur metabolism coupled to dissimilatory iron reduction in the Wxtremophile Acidithiobacillus ferrooxidans	Applied and Environmental Microbiology
12	Riascos, José Oliva Moreno, Marcelo Pacheco Velásquez, Aldo	Dispersal of post larval macrobenthos in subtidal sedimentary habitats: roles of vertical diel migration, water column, bedload transport and biological traits expression	Journal of Sea Research
13	Olivares Paz, Alberto	Thermoregulatory behavior and oxygen consumption of Octopus mimus paralarvae: The effect of age	Journal of Thermal Biology
14	Pacheco Velásquez, Aldo Riascos, José Marin	Effects of sympatric predatory crabs Romaleon polyodon and Cancer plebejus (Decapoda, Brachyura, Cancridae) on sublittoral macrobenthic communities	Journal of Experimental Marine Biology and Ecology

15	Jiménez Henríquez, Omar A.	Quantum teleportation via quantum channels with non-maximal Schmidt rank	Physica Scripta
16	Vergara, Jorge Iván	Tramas y laberintos: Sociología e identidad cultural latinoamericana	Atenea (Concepción) N° 506
17	Brito Bobadilla, Iván Cárdenas Mancilla, Alejandro	Synthesis, characterization and supramolecular structure of two new isotypic coordination polymers: Poly-bis (u2-ethane- 1,2 -diyl bis (pyridine- 3-carboxylate)k2N, N! -Bis(aquo)-Copper(II)X2 (X = ClO4-; NO3-)	Molecular Crystals and Liquid Crystals
18	Zamorano, Molina Pedro	Mitochondria and the evolutionary roots of cancer	Physical Biology
19	Silva Aciaras, Fernando Riquelme Salamanca, Carlos	Transcriptomic and cellular response to bacterial challenge (pathogenic <i>Vibrio parahaemolyticus</i> ) in farmed juvenile <i>Haliotis rufescens</i> fed with or without probiotic diet	Journal of invertebrate Pathology
20	Sotomayor Aguirre, Adrián	Consistent Horava gravity without extra modes and equivalent to general relativity at the linearized	Physical Review D 87
21	Simirgiotis, Mario Juan	Antioxidant Capacity and HPLC-DAD-MS Profiling of Chilean Peumo ( <i>Cryptocarya alba</i> ) Fruits and comparison with German Peumo ( <i>Crataegus monogyna</i> ) from Southern Chile	Molecules
22	Ortiz Hinojosa, Marcos	Identifying keystone trophic groups in benthic ecosystems: Implications for fisheries management	Ecological indicators
23	Leyton Lobos, Yanett Riquelme Salamanca, Carlos	Oleic acid and Diketopiperazines produced by marine bacteria reduce the load of the pathogen <i>Vibrio parahaemolyticus</i> in <i>Argopecten purpuratus</i>	Aquaculture Research and Development
24	Rojas Medar, María Drina	Existence and uniqueness of stationary solutions to bioconvective flow equations	Electronic Journal of Differential Equations
25	Simirgiotis, Mario Juan Bórquez Ramírez, Jorge	Antioxidant capacity, polyphenolic content and tandem HPLC-DAD-ESI/MS profiling of phenolic compounds from the South American berries <i>Luma apiculata</i> and <i>L. chequén</i>	Food Chemistry
26	Dorador Ortíz, Cristina	Bacterial and archaeal diversity in high altitude wetlands of the Chilean Altiplano	Fundamental and Applied Limnology
27	Gómez Geraldo, Héctor	The multivariate alpha-power model	Journal of Statistical Planning and Inference
28	Pacheco Velásquez, Aldo	Aerial Behaviour of humpback whales <i>megaptera novaeangliae</i> at the southern limit of the southeast Pacific breeding area	Revista de Biología Marina y oceanografía, vol. 48, N° 185-191
29	Esparza Mantilla, Mario	Actividad bactericida de superficies de cobre frente a bacterias asociadas a infecciones nosocomiales, en un modelo in vitro de adherencia y sobrevivencia. 141: 291-297	Revista Médica de Chile
30	Cerezal Mezquita, pedro	Production and stability of water-dispersible astaxanthin oleoresin from <i>Phaffia rhodozyma</i>	Food Science & Technology, Vol 48, N° 6, Págs. 1243 - 1251

31	Brito Bobadilla, Iván Cárdenas Mancilla, Alejandro	Structural and thermal study of a new coordination polymer poly-bis (u-Butane-1,2-diyl bis (Pyridine-3-carboxylate) K'N, N-Silver (1) Tetrafluoroborate	Journal Chilean Chemical Society, 58, N° 3, págs. 1651-1653
32	Brito Bobadilla, Iván Cárdenas Mancilla, Alejandro	Synthesis, spectroscopic characterization and X-ray analysis of 6-nitroquinazoline-2,4 (1H, 3H) -dione.	Journal Chilean Chemical Society, Vol. 58, N° 3, págs. 1651-1653
33	Gutiérrez Astudillo, Bessy Sagua Franco, Hernán Araya Rojas, Jorge Morales Retamal, Patricio González Cortés, Jorge	Aromatic glycosyl disulfide derivatives: Evaluation of their inhibitory activities against Trypanosoma cruzi	Bioorganic & Medicinal Chemistry Letters 23, págs. 3576 - 3579.
34	Hengst López, Martha	Kinetics of arsenite removal by halobacteria from a highland Andean Chilean Sarlar	Aquatics Biosystems, 9:8 doi:10.1186
35	Valdivia Gandur, Iván Manuel	Bone healing in transverse maxillary defects with different surgical procedures using anorganic bovine bone in humans	International Journal Morphology
36	Cisternas Arapio, Luis	Optimal design of a solid-liquid separation system, Computer Aided Chemical Engineering,	Computer Aided Chemical Engineering 32, pp. 907-912
37	Cisternas Arapio, Luis	Global sensitivity analysis of a mineral processing flowsheet	Computer Aided Chemical Engineering 32, pp. 913-918
38	Galleguillos, Héctor	Nanofiltration Separation of Aqueous Polyethyleneglycol-Salt Mixtures	Separation Science and Technology, Vol. 48 Iss. 9, pp. 1298-1307
39	Simirgiotis, Mario Juan Bórquez Ramírez, Jorge	Activity guided isolation of isoflavones and hyphenated HPLC-PDA- ESI-ToF-MS metabolome profiling of Azorella madreporica Clos. From northern Chile	Food Research International, Vol. 52, June 2013, págs. 288-297.
40	Varela Véliz, Héctor Gómez Geraldo, Hector	An extension of the generalized half-normal distribution	Statistical Papers
41	Brito Bobadilla, Iván	<sup>1</sup> H and <sup>13</sup> C NMR Spectral Assignments and X-Ray Crystallography of N-(3-(1H-Imidazol-1-yl)	Journal of the Chilean Chemical Society. Vol. 58, N° 2: pp. 1553-1556
42	Ortiz Hinojosa, Marcos	Network properties and keystone assessment in different intertidal communities dominated by two ecosystem engineer species (SE Pacific coast): A comparative analysis	Ecological Modelling
43	Oliva Moreno, Marcelo	Is Anisakis simplex s.l. a biological marker for stock identification of Strangomera bentincki from Chile	Journal of Fish Biology
44	Gómez Geraldo, Héctor	Multiple constraint and truncated skew models	Statistics, (DOI:10.1080/02331888.2013.801479
45	Silva Aciaras, Fernando Riquelme Salamanca, Carlos	Effect of copper on the immunomodulatory activities of haemocytes in juveniles of the abalone Haliotis rufescens cultivated under hatchery conditions	Aquaculture, 410-411, pgs. 72-78
46	Vega Pizarro, José Luis	Cerebral ischemic injury is enhanced in a model of oculodentodigital dysplasi	Neuropharmacology

47	Simirgiotis, Mario Juan	Asymmetric total synthesis of Tofacitinib	Tetrahedron Letters, 54, págs. 5096-5098
48	Graber Seguel, Teófilo	Solubility, Density, refractive Index, Viscosity and Electrical Conductivity of oric acid + Lithium Sulfate + Water System at (293.15, 298.15, 303.15, 308.15 and 313.15) K	ACS Publications. Journal of Chemical and engineering data
49	Sotomayor Aguirre, Adrián	The role of exterior Weyl fluids on compact stellar structures in Randall-Sundrum gravity	Classical and Quantum Gravity
50	Cisternas Arapio, Luis	Seawater leaching of caliche mineral in column experiments	Hydrometallurgy, 139, págs. 79 - 87
51	Valenzuela, Picón, Fernando Riquelme Salamanca, Carlos	Analysis of bacterial community and bacterial nutritional enzyme activity associated with the digestive tract of wild Chilean octopus ( <i>Octopus mimus</i> Gould, 1852	Aquaculture Research
52	Pacheco Velásquez, Aldo	A review on the diversity and distribution of opisthobranch gastropods from Peru, with the addition of three new records	Journal Spixiana, Volumen 36 (1) págs. 43-60
53	Pacheco Velásquez, Aldo Riascos, José Marin	First records of emerging benthic invertebrates at a sublittoral soft-bottom habitat in northern Chile	Revista Biología Marina y oceanografía, vol. 48 (2), N° 387-392
54	Simirgiotis, Mario Juan	Bioactive coumarins and HPLC-PDA-ESI-Tof-MS metabolic profiling of edible queule fruits ( <i>Gomortega Keule</i> ) an endangered endemic Chilean species	Food Research International, Vol. 54
55	Brito Bobadilla, Iván Cárdenas Mancilla, Alejandro	Crystal structure of 1,3-bis (6-methoxyquinolin-2-yl)benzene, C <sub>26</sub> H <sub>2</sub> N <sub>2</sub> O <sub>2</sub>	Z. kristallogr. NCS, vol. 228
56	Gómez Geraldo, Héctor	A note on the fisher information matrix for the skew-generalized-normal model	Sort, Vol. 37 (1) January-June
57	Padilla Campos, Luis	Influence of reactant type on the Sr incorporation grade and structural characteristics of Ba <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> (x=0-1) grown by sol-gel-hydrothermal synthesis	Ceramic International, Vol. 39, pág. 8823-8831
58	Guíñez Díaz, Ricardo	Genetic connectivity of the ecosystem engineer <i>Perumytilus purpuratus</i> north to the 32°S southeast Pacific ecological	Marine Biology, DOI 10.1007/s00227-013-2301-x
59	Graber Seguel, Teófilo Taboada, María Elisa	Solid-Liquid Equilibrium and Process Design of CuSO <sub>4</sub> +NaCl + (H <sub>2</sub> O or H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O) Systems at 298.15 K	Industrial & Engineering Chemistry Research, págs. 6803-6811
60	Ortiz Hinojosa, Marcos	Demography and feeding behavior of the kelp crab <i>Taliepus marginatus</i> in subtidal habitats dominated by the kelps <i>Macrocystis pyrifera</i> or <i>Lessonia taberculata</i>	Invertebrate Biology
61	Gómez Geraldo, Héctor	Skew-normal alpha-power model	Statistics, doi: dx.doi.org/10.1080/02331888.2013.826659
62	Riascos, José Pacheco Velásquez, Aldo	The larval and benthic stages of the scyphozoan medusa <i>Chrysaora plocamia</i> under El Niño-La Niña thermal regimes	Journal of Experimental Marine Biology and Ecology
63	González Cortés, Jorge Vega Pizarro, José Luis	Role of Gap Junctions and Hemichannels in Parasitic Infections	Biomed Research International

64	Sotomayor Aguirre, Adrián Restuccia, Alvaro	Stability of solitonic solutions of Super HdV equations under susy breaking conditions	Boundary Value Problems
65	Brito Bobadilla, Iván Cárdenas Mancilla, Alejandro	Crystal structure of 3 (phnenylamino) quinadolin-4(3H)-one, C14H11N3O	Z. kristallogr. NCS, vol. 228
66	Sotomayor Aguirre, Adrián	The Hamiltonian structure of a coupled system derived from a supersymmetric breaking of super Korteweg-de Vries equations	Journal of Mathematical Physics
67	Sotomayor Aguirre, Adrián	An alpha-power extension for the Birnbaum-Saunders distribution	Statistics, doi: dx.doi.org/10.1080/02331888.2013.846910
68	Sotomayor Aguirre, Adrián	Role of temperature in the reproductive cycle of Thais chocolate (Gastropoda, Muricidae) in Chanavaya, Tarapacá, Chile	Latinoamericana Journal Aquatic Research, 41 (5) 854-860. DOI 103856/vol41-issue5-fulltext-6
69	González Yañez, María Teresa	Patterns of variation in parasite component communities and infracommunities of a littoral fish species from the northern coast of Chile	Journal of Helminthology, page 1 of 9, doi: 10.1017/S0022149X12000788
70	Sotomayor Aguirre, Adrián	Hamiltonian structure of an operator valued extension of Super KdV equations.	Journal of Physics: Conference Series, 474, 012028, doi: 10.1088/1742-6596/474/1/012028
71	Sotomayor Aguirre, Adrián	Poisson structure and stability analysis of a coupled system arising from the supersymmetric breaking of Super KdV	Journal of Physics: Conference Series, 474, 012030, doi: 10.1088/1742-6596/474/1/012028
72	Valenzuela Rivera, Oriana	Dendroctic Histiocytosis (Langerhans Cell Histiocytosis), Oral and Craniofacil Manifestations. Report of Three Cases.	Int. J. Morphology. 31 (3): 1137-1145
73	Padilla Campos, Luis	Synthesis and structural characterization of nanocrystalline BaTiO3 at various calcinatiion temperature	Journal of the Chilean Chemical Society. Vol.58, N° 4: pp. 2077 - 2081
74	Urrutia Salinas, Milton	The water supply system as a potential source of fungal infection in paedriatic haemo	BMC Infectious Diseases
75	Dávila, Paola María	Variabilidad intra-anual del régimen climático en sectores de surgencia en el sudeste del Mar Caribe, usando ERA Interin	Revista de Biología Marina y oceanografía, vol. 48, N° 3: 471-485
76	Simirgiotis, Mario Juan	Antioxidant properties and Hyphenated HPLC-PDA-MS Profiling of Chilean Pica Mango fruits (Mangifera indica L. Cv. Piqueño).	Molecules
77	Cisternas Arapio, Luis	Particle Size Effect on the Efficient Use of Water and Energy in Mineral Concentration Processes	Industrial & Engineering Chemistry Research, Volume: 52, Issue: 49, pages 17686-17690
78	Beltrán González, Ana Rosa	Bibliometric analysis of South American research in sports science from 1970 to 2012	Motriz. Journal of Physical Education.

79	Morales R., Patricio Emilce Silvina Diaz Signorelli Sentis, Janetti	Protein phosphatases decrease their activity during capacitacion: A new requirement for this event	Open Access
80	Portillo Silva, Carlos E.	From limit equations to general equations: An alternative strategy of developing equations in chemistry and its different stages of learning	Journal Chil. Chemical Society
81	Gómez Geraldo, Héctor	The log-power-normal distribution with application to air pollution	Environmetrics
82	Unda-Sanzana, Eduardo	Albedo and atmospheric constraints of dwarf planet Makemake from a stellar occultation. Nature, Volumen 491, Issue 7425, pp. 566-569	Nature, Letter
83	Unda-Sanzana, Eduardo	The size, shape, Albedo, density, and atmospheric limit of transneptunian object (50000) quaoar from multi-chord stellar occultations.	The astrophysical Journal
84	Nitschelm, C.	Detectability of micro-variables in the ASAS database	Astronomy & Astrophysics 557, A47
85	Harrod, C.	Identifying potentially harmful jellyfish blooms using shoreline surveys	Aquaculture Environment
86	Vega, José Luis	The ATP required for potentiation of skeletal muscle contraction is released via pannexin hemichannels	Neuropharmacology, vol. 75 Special Issue: SI Pages 594-603
87	González, M. Teresa	Variations in the fecundity and body size of digenean (Opecoelidae) species parasitizing fishes from Northern Chile	Revista de biología Marina y oceanografía, Vol . 48 Issue: 3, Pages: 421 - 429
88	Harrod, C.	Development of non-lethal sampling of carbon and nitrogen stable isotope ratios in salmonids: effects of lipid and inorganic components of fins	Isotopes in environmental and health studies, Vol. 49, Issue: 4 Pages 555-566
89	Uribe Alzamora, Roberto// Campos Valdés, Leonardo	Effects of sympatric predatory crabs Romaleon polyodon and Cancer plebejus (Decapoda, Brachyura, Cancride) on sublittoral macrobenthic communities	Journal of Experimental Marine Biology and Ecology 443: 147-154
90	Campos Valdés, Leonardo // Berríos Robles, Fernando Helmosillo Núñez, Brenda González Yáñez, Jorge	Identifying keystone trophic groups in benthic ecosystems: Implications for fisheries management	Ecological indicators 25: 133-140
91	Briones, Carolina; Presa, Pablo; Pérez, Montse; et al	Genetic connectivity of the ecosystem engineer <i>Perumytilus purpuratus</i> north to the 32°S southeast Pacific ecological discontinuity	Marine Biology
92	Rivas, Mariella	Characterization and Application in biocomposites of residual microalgal biomass generated in third generation biodiesel	Journal of Polymers and the Environment
93	González, M. Teresa	Variations in the fecundity and body size of digenean (Opecoelidae) species parasitizing fishes from Northern Chile	Revista de Biología Marina y Oceanografía, 48

94	Arriagada, D; Lepez, I; Ruiz, M; Contreras, I.	Induction of spawning of the razor clam <i>Ensis macha</i> by injection of serotonin	Revista de biología Marina y oceanografía, Vol . 48 Issue: 3, Pages: 653 - 660
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### **PUBLICACIONES SCIELO**

1	Varela Ventura, Luis	Wittig Petra Wirtschaftsstrafecht	Derecho Penal Economico
2	Silva Avalos, Juan Araya Rojas, Jorge Gahona Rojas, Joselyne Valenzuela López, Nicomedes Guerrero Olmos, Katherine Báez Villegas, John	Detección de genes de virulencia en cepas de <i>enterococcus faecalis</i> susceptibles y resistentes a aminoglucósidos	Microbiología
3	Muñoz Zambrano, Carmen Luz	Significado de la sexualidad en adultos jóvenes sometidos a quimioterapia por neoplasia testicular.	Ciencia y Enfermería XV III (2): 101-110
4	Valdivia Gandur, Iván Manuel	Dental gemination in a permanent mandibular central incisor: an uncommon dental anomaly	International Journal Odontostomat, 7 (1) 69-72
5	Cabezas Cabezas, Carlos	Prescripción de los delitos contra la indemnidad y libertad sexual de los menores de edad: problemas aplicativos del artículo 369 quater del Código penal.	Revista Política Criminal, Vol 8, N° 16, pp. 386 - 407
6	Cabezas Cabezas, Carlos	El principio de ofensividad y su relación con los delitos de peligro abstracto en la experiencia italiana y chilena: Un breve estudio comparado.	Revista de Derecho, año 20, N° 2 - 2013
7	Letelier Loyola, Enrique	Estatuto de las libertades en el proceso penal chileno a trece años de vigencia del sistema acusatorio	Revista Opinión Jurídica- Universidad de Medellín. vol. 12, n.24, pp.151-168.