

PRODUCCION CIENTÍFICA DEL DEPARTAMENTO CIENTÍFICO DEL INACH QUE ACREDITA LAS ACTIVIDADES DE INVESTIGACIÓN QUE INCLUYE PERIODO 2019-2021.

2021 Publicaciones WOS

1. Handley, J., M-M, Rouyer, E.J. Pearmain, V. Warwick-Evans, K. Teschke, J. Hinke, H. Lynch, L. Emmerson, C. Southwell, G. Griffith, **C.A. Cárdenas**, A.M. Franco, P. Trathan and M. P. Dias. 2021. Marine Important Bird and Biodiversity Areas for penguins in Antarctica, proxies for conservation action. *Frontiers in Marine Science*. DOI:10.3389/fmars.2020.602972
2. Ruiz-Ruiz, P.A., Contreras, S., Urzúa, Á., Quiroga, E., **Rebolledo, L.**, 2021. Fatty acid biomarkers in three species inhabiting a high latitude Patagonian fjord (Yendegaia Fjord, Chile). *Polar Biology*, doi:10.1007/s00300-020-02788-y.
3. Pereira, J.M, Ramos, J.A., Marques, M.A., Ceia, F.R., **Krüger, L.**, Stephen C. Votier, Vitor Paiva, H., Low spatial overlap between foraging shearwaters during the breeding season and industrial fisheries off the west coast of Portugal. *MEPS* 657:209-221 (2021) DOI: <https://doi.org/10.3354/meps13549>.
4. Paz Jessica Andrea, Juan Pablo Seco Pon, **Lucas Krüger**, Marco Favero & Sofia Copello. 2021. Is there sexual segregation in habitat selection by Black-browed Albatrosses wintering in the south-west Atlantic?, *Emu - Austral Ornithology*, DOI:10.1080/01584197.2020.1869910
5. Acevedo, J., Capella, J., Cheeseman, T. Cole C. Monnahan, Ken Southerland, Paola Acuña & **Anelio Aguayo-Lobo**. First evidence of interchange of humpback whales (*Megaptera novaeangliae*) between the Magellan Strait and Antarctic Peninsula feeding grounds. *Polar Biol* 44, 613–619 (2021). <https://doi.org/10.1007/s00300-021-02827-2>
6. Cáceres-Saez, I., Haro, D., Blank, O., **Aguayo-Lobo, A.**, Dognac, C., Arredondo, C., Cappozzo, H. L., & Ribeiro Guevara, S. (2021). Trace elements in subantarctic false killer whale (*Pseudorca crassidens*) tissues, including the skin as an offshore bioindicator. *Environmental science and pollution research international*, 28(24), 31746–31757. <https://doi.org/10.1007/s11356-021-12890-1>
7. Haro D, Sabat P, Acevedo J, Capella J, Cáceres B, **Aguayo-Lobo A**, Martínez F (2021) Ontogenetic and seasonal analysis of the diet and isotopic niche of humpback whales in the Magellan Strait, Chile. *Mar Ecol Prog Ser* 669:213-226. <https://doi.org/10.3354/meps13733>
8. **González-Aravena M, Rondon R, Font A, Cárdenas CA, Toullec J-Y, Corre E and Paschke K.** 2021. Low Transcriptomic Plasticity of Antarctic Giant Isopod *Glyptonotus antarcticus*

Juveniles Exposed to Acute Thermal Stress. *Front. Mar. Sci.* 8:761866. doi: 10.3389/fmars.2021.761866

9. Hayer, J., Wille, M., **Font, A., González-Aravena, M.**, Norder, H., & Malmberg, M. (2021). Four novel picornaviruses detected in Magellanic Penguins (*Spheniscus magellanicus*) in Chile. *Virology*, 560, 116–123. <https://doi.org/10.1016/j.virol.2021.05.010>
10. Teoh, C.P., Lavin, P., Lee, D.J.H., **González-Aravena M.**, et al. Genomics and transcriptomics analyses provide insights into the cold adaptation strategies of an Antarctic bacterium, *Cryobacterium* sp. *SO1. Polar Biol* 44, 1305–1319 (2021). <https://doi.org/10.1007/s00300-021-02883-8>
11. Fernández, J.P., Chaar, F.B., Epherra, L., **González-Aravena, J.M.**, & Rubilar, T. (2021). Embryonic and larval development is conditioned by water temperature and maternal origin of eggs in the sea urchin *Arbacia dufresnii* (Echinodermata: Echinoidea). *Revista de Biología Tropical*, 69(S1), 452-463. DOI 10.15517/
12. Pereira, J.M, Ramos, J.A., Marques, M.A., Ceia, F.R., **Krüger, L .**, Stephen C. Votier, Vitor Paiva, H., Low spatial overlap between foraging shearwaters during the breeding season and industrial fisheries off the west coast of Portugal. *MEPS* 657:209-221 (2021) DOI: <https://doi.org/10.3354/meps13549> .
13. Parada C, Ernst B, Cornejo-Guzmán S, **Santa Cruz F.** et al. Local and remote physical processes driving variability of the planktonic system in the Juan Fernández Archipelago: A multidisciplinary framework providing conservation insights. *Aquatic Conserv: Mar Freshw Ecosyst.* 2021;31:253–272. <https://doi.org/10.1002/aqc.3499> PARADA ET AL.271
14. Soto-Acuña, S., Vargas, A.O., Kaluza, J., **Leppe, M.**, Botelho, J.F., Palma-Liberona, J., Simon-Gutstein, C., Fernández, R.A., Ortiz, H., Milla, V., Aravena, B., Manríquez, L.M.E., Alárcon-Muñoz, J., Pino, J.P., **Trevisan, C., Mansilla, H.**, Hinojosa, L.F., Muñoz-Walther, V., Rubilar-Rogers, D. 2021. Bizarre tail weaponry in a transitional ankylosaur from subantarctic Chile. *Nature*. DOI:10.21203/rs.3.rs-821192/v1
15. Kim S, Lim D , **Rebolledo, L** , Park, T, Esper, O, Muñoz, P , La, Y., Kim, TW , Lee, S., A ., 2021. 350-year multiproxy record of climate-driven environmental shifts in the Amundsen Sea Polynya, Antarctica. *Global and Planetary Change*, vol(205) <https://doi.org/10.1016/j.gloplacha.2021.103589>
16. Hebel, I., Gonzalez, I., **Jaña, R.** (2021). Genetic Approach on *Sanionia uncinata* (Hedw.) Loeske to Evaluate Representativeness of in situ Conservation Areas Among Protected and

Neighboring Free Access Areas in Maritime Antarctica and Southern Patagonia. *Front. Conserv. Sci.*, 19 November 2021. <https://doi.org/10.3389/fcosc.2021.647798>

17. Gacitúa, G., Schneider, C., Arigony, J., González, I., **Jaña, R.**, Casassa, G. (2021). First ice thickness measurements in Tierra del Fuego at Schiaparelli Glacier, Chile. *Earth Syst. Sci. Data*, 13, 231–236, 2021. <https://doi.org/10.5194/essd-13-231-2021>
18. Martinelli, A., Soto-Acuña, S., Goin, F.J., Kaluza, J., Bostelmann, J.E., Fonseca, P.H.M., Reguero, M.A., **Leppe, M.**, Vargas, A.O., 2021. New cladotherian mammal from southern Chile and the evolution of mesungulatid meridiolestidans at the dusk of the Mesozoic era. *Scientific Reports* 11, 7594. <https://doi.org/10.1038/s41598-021-87245-4>
19. Manríquez, L.M.A., Lavina, E.L.C., Guimaraes, R., Scalise-Horodyski, R., **Leppe, M.** 2021. Evolution of a high latitude high-energy beach system (Maastrichtian–Eocene, Magallanes/Austral Basin, Chilean Patagonia). *Sedimentary Geology* 426: 106026. DOI: 10.1016/j.sedgeo.2021.106026
20. Finger, JV, DH Corá, P Convey, **F Santa Cruz**, MV Petry, L **Krüger**. 2021. Anthropogenic debris in an Antarctic Specially Protected Area in the maritime Antarctic. *Marine Pollution Bulletin* 172: 112921
21. **Krüger, L.**, M. Huerta, **F. Santa Cruz & C.A. Cárdenas**. 2021. Antarctic krill fishery effects over penguin populations under adverse climate conditions: implications for the management of fishing practices. *AMBIO* 50: 560-571 DOI: 10.1007/s13280-020-01386-w
22. Duploux, A., Dotson, B.R., Nishiguchi, M.K. & **C.A. Cárdenas**. 2021. Editorial: Symbiosis in a Changing Environment. *Frontiers in Ecology and Evolution* 9:731892. DOI: 10.3389/fevo.2021.731892

No Wos y otras publicaciones

M. González and M. Leppe (2020). Exploring the Connections between Antarctica and South America. In book: *The White Continent and South America Climate Change, Global Policy, and*

the Future of Scientific Cooperation in Antarctica USA Woodrow Wilson International Center for Scholars.

Buscaglia Solé, M., Sielfeld, W., & **Aguayo Lobo, A.** (2021). Abundancia y densidad relativa de delfines (Mammalia: Delphinidae) entre 18° y 25°S en el Sistema de la Corriente de Humboldt, norte de Chile. *Anales Del Instituto De La Patagonia*, 49. <https://doi.org/10.22352/AIP202149019>
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Aguayo-Lobo, A. 2021. My Antarctic Christening: pp. 11-16. En: C. León W., M. Jara Fernández y N. Llanos Sierra (Eds). LW Editorial, Fundación Valle Hermoso, Valparaíso.

Aguirre, F. ., Squeo, F. A. ., López, D., D., R., Buma, B., Carvajal, D. ., **Jaña, R.**, Casassa, G., & Rozzi, R. (2021). Gradientes Climáticos y su alta influencia en los ecosistemas terrestres de la Reserva de la Biosfera Cabo de Hornos, Chile. *Anales Del Instituto De La Patagonia*, 49. <https://doi.org/10.22352/AIP202149012>

Lopez, B., Bastias, J., Matus, D., **Jaña, R., Leppe, M.** (2021). The geology of King George Island, South Shetland Islands: uniting local geological maps and stratigraphical columns. EGU21-13145. <https://doi.org/10.5194/egusphere-egu21-13145>. EGU General Assembly 2021.

Jara, W., Bastias, J., **Jaña, R., Leppe, M.** (2021). The geology of Yelcho Station: a new high-resolution geological map at northwestern Antarctic Peninsula. GU21-12707. <https://doi.org/10.5194/egusphere-egu21-12707>. EGU General Assembly 2021

2020 Publicaciones Wos

1. Bassoi, M., Acevedo, J., Secchi, E.R., **Aguayo-Lobo, A.**, Dalla Rosa, L., Torres, D., Santos, M.C.O., Azevedo, A.F., 2020. Cetacean distribution in relation to environmental parameters between Drake Passage and northern Antarctic Peninsula. *Polar Biology* 43, 1–15. doi:10.1007/s00300-019-02607-z
2. Muñoz, P., **Rebolledo, L.**, Dezileau, L., Maldonado, A., Mayr, C., Cárdenas, P., Lange, C.B., Lalangui, K., Sanchez, G., Salamanca, M., Araya, K., Jara, I., Easton, G., Ramos, M., 2020. Reconstructing past variations in environmental conditions and paleoproductivity over the last ~ 8000 years off north-central Chile (30° S). *Biogeosciences* 17, 5763–5785. doi:10.5194/bg-17-5763-2020.
3. Morley, S.A., D. Abele, D.K.A. Barnes, C.A. **Cárdenas, C.** Cotte, J. Gutt, S.F. Henley, J. Hofer, K.A. Hughes, S. M. Martin, C. Moffat, M. Raphael, S. Stammerjohn, C. Suckling, V.J.D. Tulloch & C. I. Waller. 2020. Global drivers on Southern Ocean ecosystems:

changing physical environments in an Earth system. *Frontiers in Marine Science* (Accepted). DOI: 10.3389/fmars.2020.547188.

4. Vorrath, M.-E., Müller, J., **Rebolledo, L.**, Cárdenas, P., Shi, X., Esper, O., Opel, T., Geibert, W., Muñoz, P., Haas, C., Lange, C.B., Lohmann, G., Mollenhauer, G., 2020. Sea Ice dynamics at the Western Antarctic Peninsula during the industrial era: a multi-proxy intercomparison study. *Climate of the past*. doi:10.5194/cp-2020-63
5. Corá, D.H., Finger, J.V.G. & **Krüger, L.** Coprophagic behaviour of southern giant petrels (*Macronectes giganteus*) during breeding period. *Polar Biol* (2020). <https://doi.org/10.1007/s00300-020-02757-5>
6. Krüger, L., M. Huerta, F. Santa Cruz & C.A. Cárdenas. 2020. Antarctic krill fishery effects over penguin populations under adverse climate conditions: implications for the management of fishing practices. *AMBIO* (Online first) DOI: 10.1007/s13280-020-01386-w.
7. Friedlander, A.M., Goodell, W., Salinas-de-León, P., Ballesteros, E., Berkenpas, E., Capurro, A.P., **Cárdenas, C.A.**, Hüne, M., Lager, C., Landaeta, M.F., Muñoz, A., Santos, M., Turchik, A., Werner, R., Sala, E. 2020. Spatial patterns of continental shelf faunal community structure along the Western Antarctic Peninsula. *PloS One* 15(10): e0239895. DOI: 10.1371/journal.pone.0239895
8. Urbina MA, Luna-Jorquera G, Thiel M, et al. (2020). A country's response to tackling plastic pollution in aquatic ecosystems: The Chilean way. *Aquatic Conserv: Mar Freshw Ecosyst*: 1–22. <https://doi.org/10.1002/aqc.3469>
9. **Rondon, R., M. González-Aravena, A. Font, M. Osorio & C.A. Cárdenas.** 2020. Effects of climate change stressors on the prokaryotic communities of the Antarctic sponge *Isodictya kerguelensis*. *Frontiers in Ecology and Evolution*. DOI: 10.3389/fevo.2020.00262
10. Détrée, C., Navarro, J. M., **Font, A., & Gonzalez, M.** (2020). Species vulnerability under climate change: Study of two sea urchins at their distribution margin. *The Science of the total environment*, 728, 138850. <https://doi.org/10.1016/j.scitotenv.2020.138850>
11. Biersma EM, Torres-Díaz C, Molina-Montenegro MA, Newsham KK, Vidal MA, Collado GA, Acuña-Rodríguez IS, Ballesteros GI, Figueroa CC, Goodall-Copestake GP, **Leppe MA**, Cuba-Díaz M, Valladares MA, Pertierra LR, Convey P (2020). Multiple late-Pleistocene colonisation events of the Antarctic pearlwort *Colobanthus quitensis* (Caryophyllaceae) reveal the recent arrival of native Antarctic vascular flora. *J Biogeogr*. 00:1–11. <https://doi.org/10.1111/jbi.13843>.
12. Hoffmann, K., Fernandoy, F., Meyer, H., Thomas, E.R., Aliaga, M., Tetzner, D., Freitag, J., Opel, T., Arigony-Neto, J., Göbel, C.F., **Jaña, R.**, Rodríguez Oroz, D., Tuckwell, R.,

- Ludlow, E., McConnell, J.R., Schneider, C., 2020. Stable water isotopes and accumulation rates in the Union Glacier region, Ellsworth Mountains, West Antarctica, over the last 35 years. *The Cryosphere* 14, 881–904. doi:10.5194/tc-14-881-2020
13. Changhwan Oh, Marc Philippe, Stephen McLoughlin, Jusun Woo, **Marcelo Leppe**, Teresa Torres, Tae-Yoon S. Park, Han-Gu Choi (2020). New fossil woods from lower Cenozoic volcano-sedimentary rocks of the Fildes Peninsula, King George Island, and the implications for the trans-Antarctic Peninsula Eocene climatic gradient. *Papers in Palaeontology*, Vol 6 Issue 1, <https://doi.org/10.1002/spp2.1256>
 14. Sarah W.M. George, Sarah N. Davis, Roy A. Fernández, Leslie M. E. Manríquez, **Marcelo Leppe**, Brian K. Horton, Julia A. Clarke. (2020). Chronology of deposition and unconformity development across the Cretaceous-Paleogene boundary, Magallanes-Austral Basin, Patagonian Andes. *Journal of South American Earth Sciences*, Vol. 97 <https://doi.org/10.1016/j.jsames.2019.102237>
 15. Aline Barbosa Silva, Jorge Arigony-Neto, Matthias Holger Braun, Jean Marcel Almeida Espinoza, Juliana Costi, **Ricardo Jaña** (2020) Spatial and temporal analysis of changes in the glaciers of the Antarctic Peninsula. *Global and Planetary Change* Vol. 184 <https://doi.org/10.1016/j.gloplacha.2019.103079>
 16. W. Chris Oosthuizen, **Lucas Krüger**, William Jouanneau, Andrew D. Lowther. 2020 “Unmanned aerial vehicle (UAV) survey of the Antarctic shag (*Leucocarbo bransfieldensis*) breeding colony at Harmony Point, Nelson Island, South Shetland Islands. *Polar Biology* 43:187-191 <https://doi.org/10.1007/s00300-019-02616-y>
 17. Fernandez, J.C.C., D. Bravo-Gómez, **C.A. Cárdenas** & E. Hajdu. 2020. Sponges from Doumer Island, Antarctic Peninsula, with description of new species of *Clathria* (*Axosuberites*) Topsent, 1893 and *Hymeniacidon* Bowerbank, 1858, and a re-description of *H. torquata* Topsent, 1916. *Zootaxa* 4728: 77-109. DOI: 10.11646/zootaxa.4728.1.4.
 18. Meier, Wolfgang Jens-Henrik; Aravena, Juan-Carlos; **Jaña, Ricardo**; Braun, Matthias Holger; Hochreuther, Philipp; Soto-Rogel, Pamela; Griessinger, Jussi (2020). A tree-ring delta O-18 series from southernmost Fuego-Patagonia is recording flavors of the Antarctic Oscillation. *Global and Planetary Change*. DOI: 10.1016/J.GLOPLACHA.2020.103302
 19. Weidemann, Stephanie Suzanne; Arigony-Neto, Jorge; **Jaña, Ricardo**; Netto, Guilherme; Gonzalez, Inti; Casassa, Gino; Schneider, Christoph (2020). Recent Climatic Mass Balance of the Schiaparelli Glacier at the Monte Sarmiento Massif and Reconstruction of Little Ice Age Climate by Simulating Steady-State Glacier Conditions. *Geosciences*. DOI: 10.3390/GEOSCIENCES10070272
 20. Salame, C., Gonzalez, I., Gomez-Fell, R., **Jaña, R.**, & Arigony-Neto, J. (2020). First record of the occurrence of sea ice in the Cordillera Darwin fjords (54°S), Chile. *Annals of Glaciology*, 61(83), 472-482. <https://doi.org/10.1017/aog.2021.3>.

No WOS y capítulos de libros

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González, M & Leppe, M (2020) Exploring the Connections between Antarctica and South America. In book: *The White Continent and South America Climate Change, Global Policy, and the Future of Scientific Cooperation in Antarctica* Publisher: Woodrow Wilson International Center for Scholars. Pag. 74-88.

Francisco J. Goin, Agustín G. Martinelli, Sergio Soto-Acuña, Emma C. Vieytes, **Cristine Trevisan**, Leslie M.E. Manríquez, Roy A. Fernández, Alexander O. Vargas (2020). First Mesozoic mammal from Chile: the southernmost record of a late Cretaceous Gondwanatherian. *Boletín del Museo Nacional de Historia Natural*, (Boletín 69 2020), 5-31.

Banse Bueno, N., & Aguayo-Lobo, A. (2020). Posible predisposición a embolia pulmonar en el delfín rosado *Inia geoffrensis* (Blainville, 1817) por contaminación con mercurio en su ecosistema. *Intropica*, 15(2). <https://doi.org/10.21676/23897864.3554>

Pablo Hernández-Almaraz, **Magdalena Osorio-Aliaga, Marcelo González-Aravena**, (2019). Células inmunológicas de invertebrados revelan efectos adversos de micro y nanopartículas. UNAM, UAC. 652 p. <https://doi.org/10.26359/epomex.0419>

2019 Publicaciones Wos

1. Jorge Marcos Acevedo, **Anelio Aguayo-Lobo**, Daniela Emmrich de Haro, Gabriela Garrido, Carlos Olave (2019) “Occurrence of the Commerson’s Dolphin (*Cephalorhynchus commersonii*) in Fitz Roy Channel, Pacific Coast of Chilean Patagonia”. *Aquatic Mammals* Vol.45 Iss 3 Page 266-273 <https://doi.org/10.1578/AM.45.3.2019.266>
2. Iris Cáceres-Sáez, Daniela Haro, Olivia Blank, **Anelio Aguayo-Lobo**, Catherine Dougnac, Cristobal Arredondo H., Luis Capozzo, Sergio Ribeiro Guevara. (2019) “Stranded false killer whales, *Pseudorca crassidens*, in Southern South America reveal Potentially dangerous silver concentrations”. *Marine Pollution Bulletin* Vol. 145 Pages 325-333 <https://doi.org/10.1016/j.marpolbul.2019.05.047>
3. **Marcelo González-Aravena**, Nathan J. Kenny, **Magdalena Osorio, Alejandro Font**, Ana Riesgo and **César Cárdenas**, (2019) “Warm temperatures, cool sponges: the effect of increased temperatures on the Antarctic sponge *Isodictya* sp.” <https://doi.org/10.1101./416677>

4. **César A. Cárdenas, Alejandro Font**, Georg Steinert, **Rodolfo Rondón** and **Marcelo González-Aravena**, (2019) “Temporal Stability of Bacterial Communities in Antarctic Sponges”. *Frontiers in Microbiology* <https://doi.org/10.3389/fmicb.2019.02699>
5. Mahlon C. Kennicutt II; David Bromwich, Daniela Liggett, Birgit Njastad, Lloyd Peck, Stphen R. Rintoul, Catherine Ritz, Martin J. Siegert, Alan Aitken, Cassandra M. Brooks, **Marcelo Leppe**, Alison Murray, P. Chandrika Nath, Marilyn N. Raphael, Michelle Rogan-Finnemore, Dustin M. Schroeder, Lynne Talley, Tony Travouillon, David G. Vaughan, Lifan Wang, Allan T. Weatherwax, Huigen Yang and Steven L. Chown, (2019) “Sustained Antarctic Research: A 21 st Century Imperative”. *Cellpress Volume 1, Issue 1*, Pages 95-113 <https://doi.org/10.1016/j.oneear.2019.08.014>
6. **Cristine Trevisan**, Tania Dutra, Thiérs Wilberger, **Marcelo Leppe**, Leslie Manríquez, (2019) “An austral fern assemblage from the Upper Cretaceous (Campanian) beds of Cerro Guido, Magallanes Basin, Chilean Patagonia”. *Cretaceous Research Vol. 106*, article 104215 <https://doi.org/10.1016/j.cretres.2019.104215>
7. Florencia Olivarea, Rodrigo Tapia, Camilo Gálvez, Fernanda Meza, Gonzalo P. Barriga, Renato Borrás-Chavez, Juan Mena-Vasquez, Rafael A. Medina, Víctor Neira, (2019) “Novel penguin Avian avulaviruses 17, 18 and 19 are widely distributed in the Antarctic Peninsula”. *Transboundary and emerging diseases Volume 66, Issue 6 Pages 2227-2232* <https://doi.org/10.1111/tbed.13309>
8. Toshihiro Yamada, Takae Yamada, Kazuo Terada, Takeshi A. Ohsawa, Atsushi Yabe, Julien Legrand, Kazuhiko Uemura, **Marcelo Leppe**, Luis Felipe Hinojosa, Patricio López-Sepúlveda & Harufumi Nishida, (2019) “*Sueria Laxinervis*, a new fossil species of Cycadales from the Upper Cretaceous Quiriquina Formation in Cocholgue, Bio Bio región, Chile. *Phytotaxa* <http://dx.doi.org/10.11646/phytotaxa.402.2.7>
9. Jorge Acevedo, Romeo Vargas, Daniel Torres & **Anelio Aguayo Lobo**, (2019) “Northerly Births of the Southern Elephant Seal (*Mirounga leonina*) in their former southeast pacific distribution”. *Aquatic Mammals*, 45(3), 293-298 <https://doi.org/10.1578/AM.45.3.2019.293>
10. Benjamín Cáceres Murrie, **Anelio Aguayo Lobo**, Nicolás Muñoz García, Miguel Cáceres Murrie & Lautrao Oyarzún Galaz (2019) “Descripción parcial y montaje de un esqueleto de tortuga negra *Chelonia mydas agassizii* (Bocourt, 1868) *Anales Instituto de la Patagonia*, Vol.47 (1): 55-61
11. Lorenzo Rovelli¹, Karl M. Attard¹, **César A. Cárdenas**, Ronnie N. Glud (2019) “Benthic primary production and respiration of shallow rocky habitats: a case study from South Bay (Doumer Island, Western Antarctic Peninsula)”. *Polar Biology* <https://doi.org/10.1007/s00300-019-02533-0>
12. **Lucas Krüger** (2019) “Spatio-temporal trends of the Krill fisheries in the Western Antarctic Peninsula and Southern Scotia Arc”. *Fisheries Management and Ecology Vol.26* pp 4 <https://doi.org/10.1111/fme.12363>

13. Rodrigo Gómez, Jorge Arigony-Neto, Angela De Santis, Saurabh Vijay, **Ricardo Jaña**, Andres Rivera (2019) “Ice dynamics of unión glacier from SAR offset tracking”, Global and Planetary Change Vol. 174, pp. 1-15 <https://doi.org/10.1016/j.gloplacha.2018.12.012>
14. **Lucas Krüger** (2019) “An update on the Southern Giant Petrels *Macronectes giganteus* breeding at Harmony Point, Nelson Island, Maritime Antarctic Peninsula”, Polar Biology <https://doi.org/10.1007/s00300-019-02504-5>
15. **Lucas Krüger**, Jorge M Pereira, Vitor H Paiva, Jaime A Ramos (2019) “Personality influences foraging of a seabird under contrasting environmental conditions”. Journal of experimental marine biology and ecology 516: 123-131. DOI <https://doi.org/10.1016/j.jembe.2019.04.003>
16. Cole C. Monnahan, Jorge Acevedo, A. Noble Hendrix, Scott Gende, **Anelio Aguayo-Lobo**, Francisco Martínez (2019) “Population trends for humpback whales (*Megaptera novaeangliae*) foraging in the Francisco Coloane Coastal-Marine Protected Area, Magellan Strait, Chile, Marine Mammal Science Vol. 35, issue 4, pp 1212-1231 <https://doi.org/10.1111/mms.12582>
17. **Lorena Rebolledo**, Sebastien Bertrand, Carina B. Lange, Fabian J. Tapia, Eduardo Quiroga, Matthias Troch, Nelson Silva, Paola Cárdenas, Silvio Pantoja (2019) “Compositional and biogeochemical variations of sediments across the terrestrial-marine continuum of the Baker-Martínez fjord system (Chile, 48°S)”, Progress in Oceanography Vol 174, pp 89-104 <https://doi.org/10.1016/j.pocean.2018.12.004>
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