

IMAS Publications relating to sea urchins *Centrostephanus rodgersii*

Ling, S.D., Mahon, I. Marzloff, M.P., Pizarro, O., Johnson, C.R., Williams, S.B. (2016). Stereo-imaging AUV detects trends in sea urchin abundance on deep overgrazed reefs. *Limnology & Oceanography: Methods* 14: 293-304.

https://www.researchgate.net/publication/281102983_Rebuilding_ecosystem_resilience_assessment_of_management_options_to_minimise_formation_of_barrens_habitat_by_the_long-spined_sea_urchin_Centrostephanus_rodgersii_in_Tasmania

Ling, S. D., Scheibling R. E., Rassweiler A., Johnson C.R., Shears N., Connell S.D., Salomon A., Norderhaug K.M., Perez-Matus A., Hernandez J.C., Clemente S., Blamey L., Hereu B., Ballesteros E., Sala E., Garrabou J., Cebrian E., Zabala M., Johnson L.E., Fujita D. (2015). Globally coherent phase shift dynamics of catastrophic sea urchin overgrazing. *Philosophical Transactions of The Royal Society of London B*. 20130269.

<http://dx.doi.org/10.1098/rstb.2013.0269>

https://www.researchgate.net/publication/312549818_Global_regime_shift_dynamics_of_catastrophic_sea_urchin_overgrazing

Ling, S.D. (2013). Pushing boundaries of range and resilience: a review of range-extension by a barrens-forming sea urchin. Pp. 411-442 in *Climate Change: past, present and future perspectives, a global synthesis from the Atlantic*. Ed, Fernández-Palacios JM DNL, Diaz-González JP, Clement S, Hernández JC (eds) (Servicio de Publicaciones de la Universidad de La Laguna, Tenerife).

https://www.researchgate.net/publication/317659617_PUSHING_BOUNDARIES_OF_RANGE_AND_RESILIENCE_A_REVIEW_OF_RANGE-EXTENSION_BY_A_BARRENS-FORMING_SEA_URCHIN

[CLIMATE CHANGE PERSPECTIVES FROM THE ATLANTIC PAST PRESENT AND FUTURE](https://www.researchgate.net/publication/317659617_PUSHING_BOUNDARIES_OF_RANGE_AND_RESILIENCE_A_REVIEW_OF_RANGE-EXTENSION_BY_A_BARRENS-FORMING_SEA_URCHIN)

Ling, S. D., Johnson, C. R. (2012). Marine reserves reduce risk of climate-driven phase shift by restoring size and habitat specific trophic interactions. *Ecological Applications* 22:1232-1245.

https://www.researchgate.net/publication/230569298_Marine_reserves_reduce_risk_of_climate-driven_phase_shift_by_restoring_size_and_habitat_specific_trophic_interactions

Ling, S. D., Johnson, C. R., Frusher, S, Ridgway, K. (2009). Overfishing reduces resilience of kelp beds to climate-driven catastrophic phase shift. *Proceedings of the National Academy of Sciences of the United States of America* 106(52):22341-22345.

www.pnas.org/cgi/doi/10.1073/pnas.0907529106 [open access].

https://www.researchgate.net/publication/40696070_Overfishing_reduces_resilience_of_kelp_beds_to_climate-driven_catastrophic_phase_shift

Ling, S. D., Johnson, C. R., Ridgway, K., Hobday, A. J., Haddon, M. (2009). Climate driven range extension of a sea urchin: inferring future trends by analysis of recent population dynamics. *Global Change Biology* 15:719-731. (*ranked in the top 25 of 833 articles published by GCB Jan 2009-2012)

[https://www.researchgate.net/publication/229648170_Climate-](https://www.researchgate.net/publication/229648170_Climate-driven_range_extension_of_a_sea_urchin)

[driven_range_extension_of_a_sea_urchin](https://www.researchgate.net/publication/229648170_Climate-driven_range_extension_of_a_sea_urchin) Inferring future trends by analysis of recent population dynamics

Ling, S. D., Johnson, C. R. (2009). Population dynamics of an ecologically important range-extender: kelp bed versus barrens sea urchins. *Marine Ecology Progress Series* 374:113-125.

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https://www.researchgate.net/publication/229954617_Reproductive_potential_of_a_marine_ecosystem_engineer_at_the_edge_of_a_newly_expanded_range

Sanderson, J.C., Ling, S.D., Dominguez, J.G., Johnson, C.R. (2016). Limited effectiveness of divers to mitigate 'barrens' formation by culling range-extending sea urchins while fishing for abalone. *Marine & Freshwater Research*.

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