

OER Lab Review Bibliometrics

Prepared by Sarah Davis

NOAA Central Library

9 October, 2019

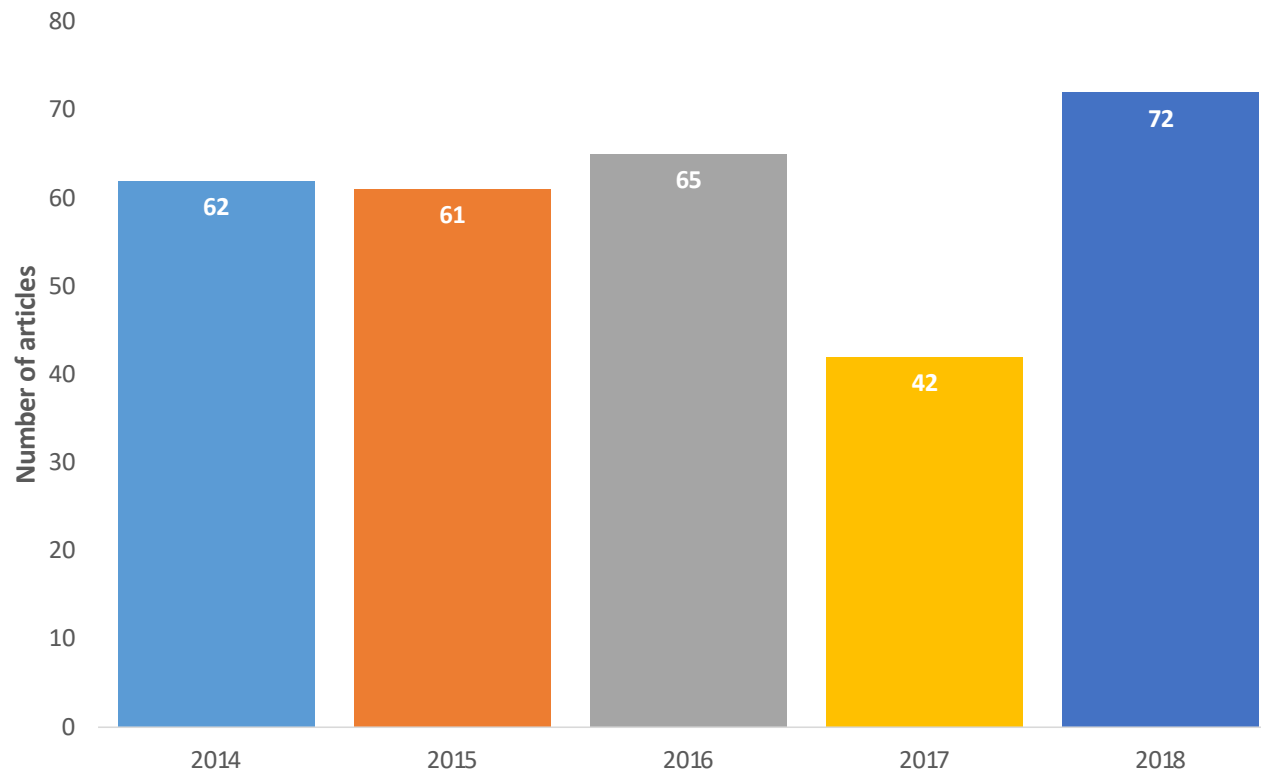
Summary Productivity Metrics

For Office of Ocean peer-reviewed

Bibliometric Indicator	Value
Number of Publications	303
Total Number of Citations Received	2,810
Average Number of Citations per Paper	9.27
Percentage of Publications Cited	85.15%

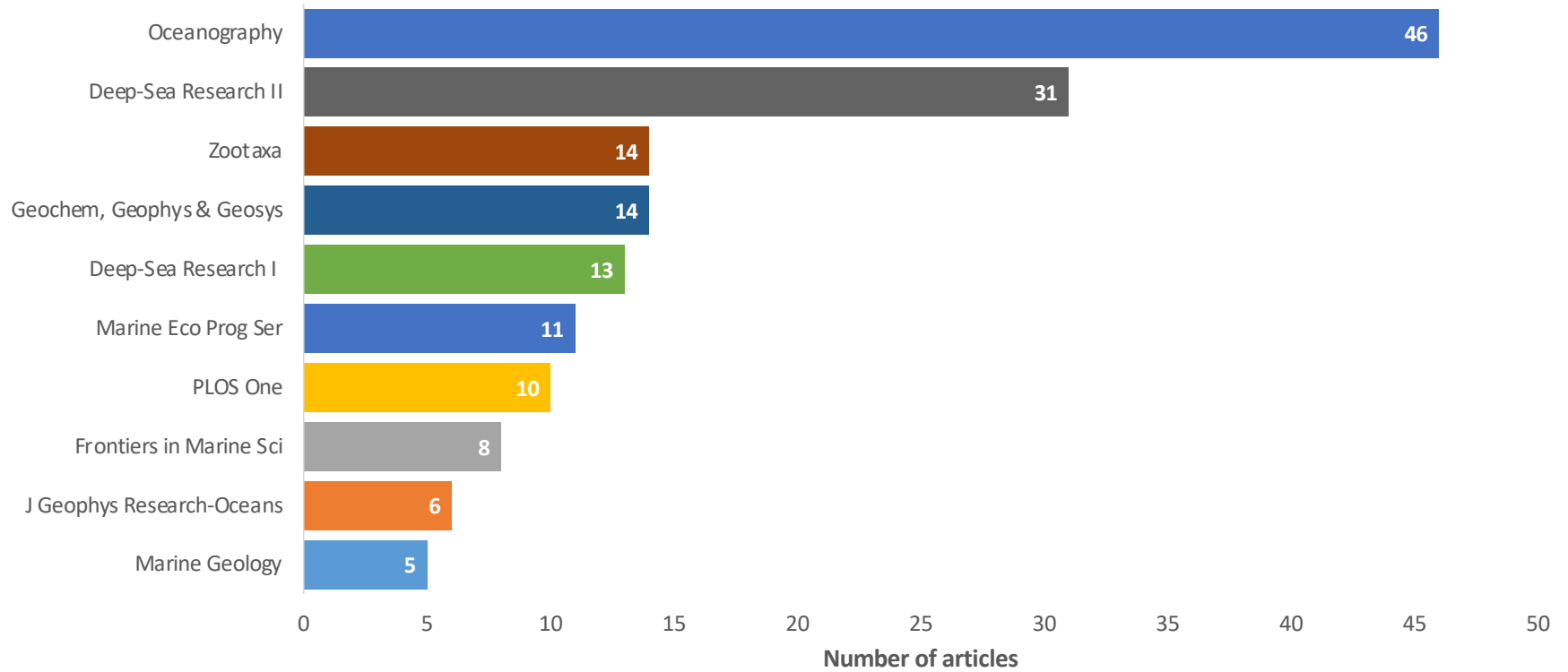
QUANTITATIVE

Articles Per Year

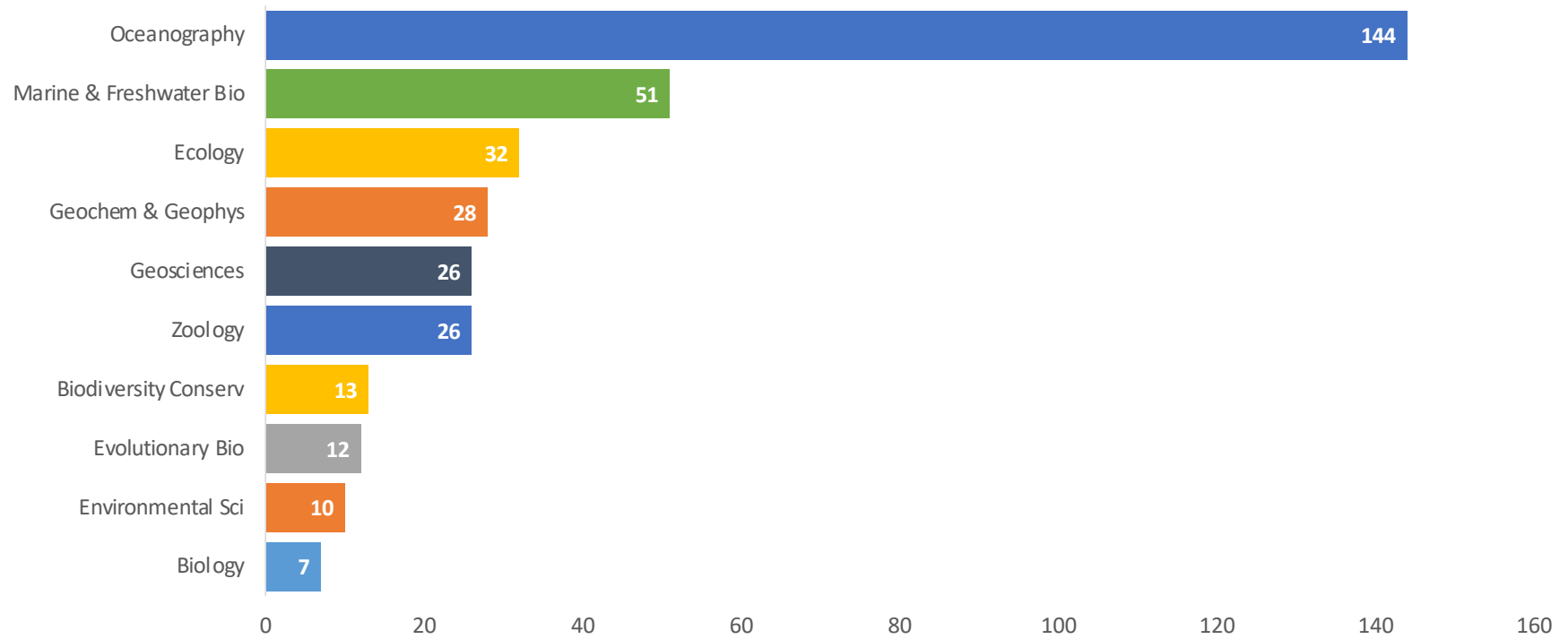


Articles Per Journal

Top 10 Journal Titles



Articles Per Subject Category



Collaboration Metrics

Type of Collaboration	Rate
Collaboration at Institutional Level	94%
Collaboration at International Level	48%

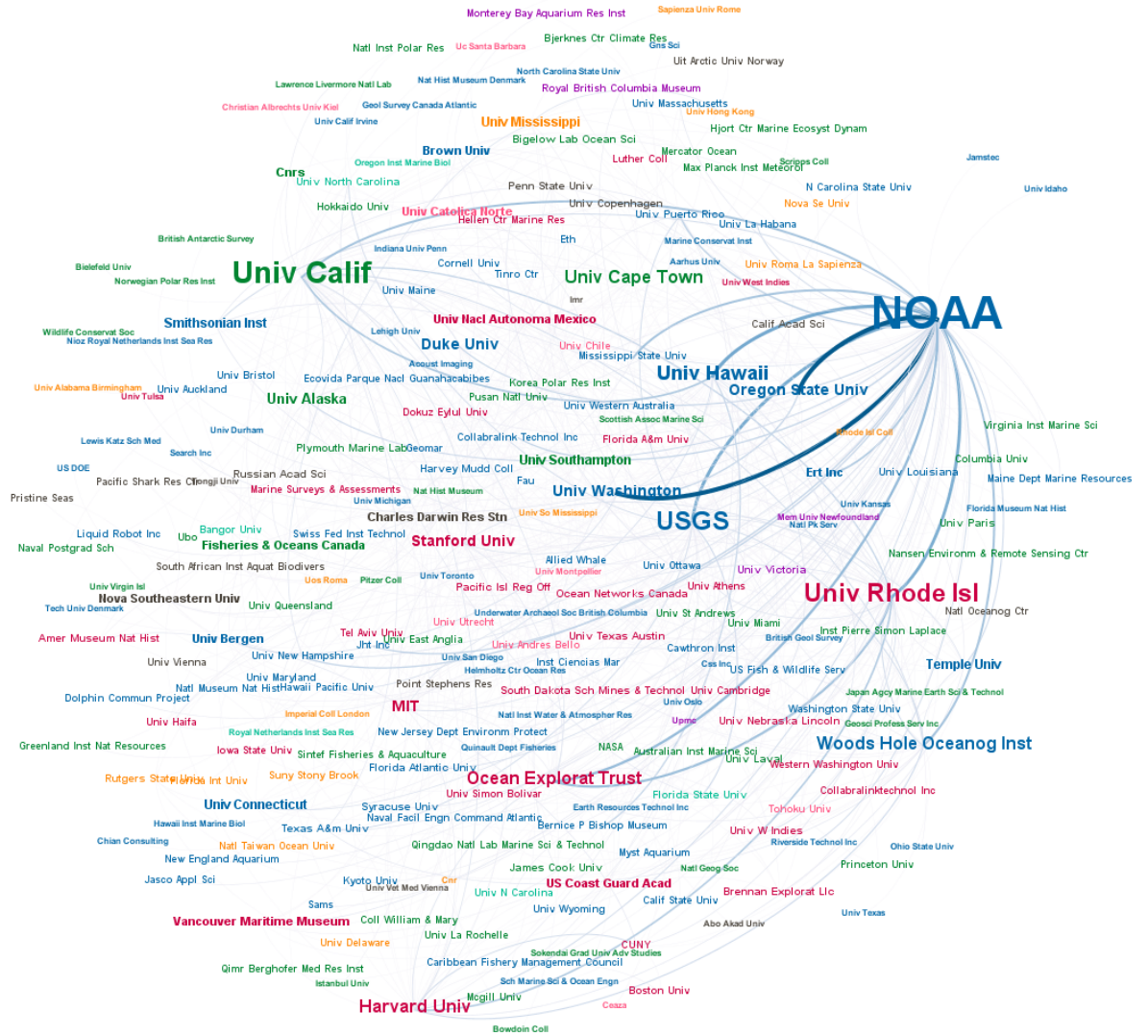
Top co-authoring institutions:

- U.S. Dept. Of Interior
- University of Rhode Island
- State University System of Florida
- University of Hawaii System
- Pennsylvania Commonwealth System of Higher Ed
- Oregon State University
- University of Washington
- University of California System
- Woods Hole Oceanographic Institution
- University of North Carolina

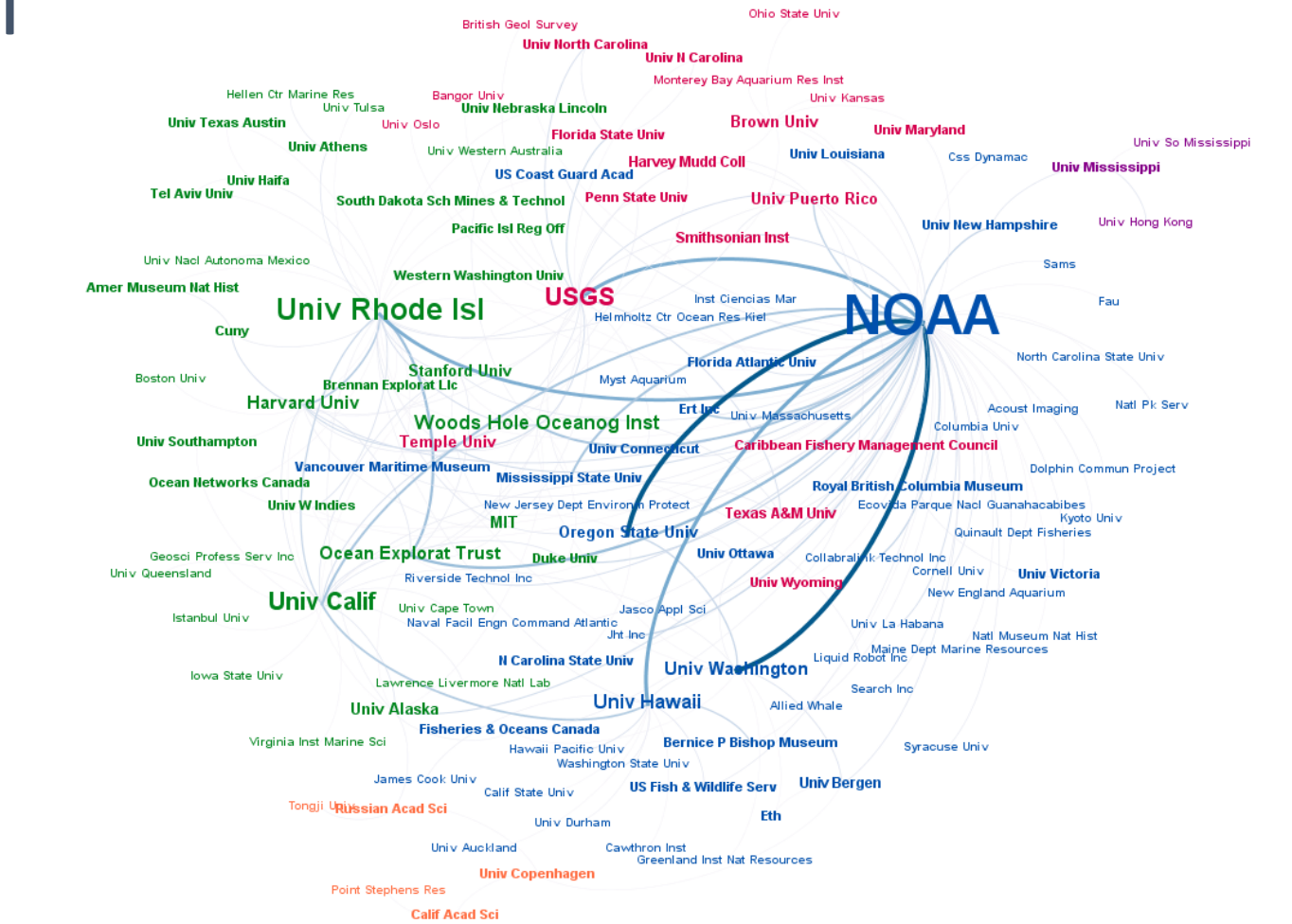
Top co-authoring countries:

- Canada
- United Kingdom
- Germany
- Russia
- Norway
- Australia
- France
- Japan
- New Zealand
- Chile

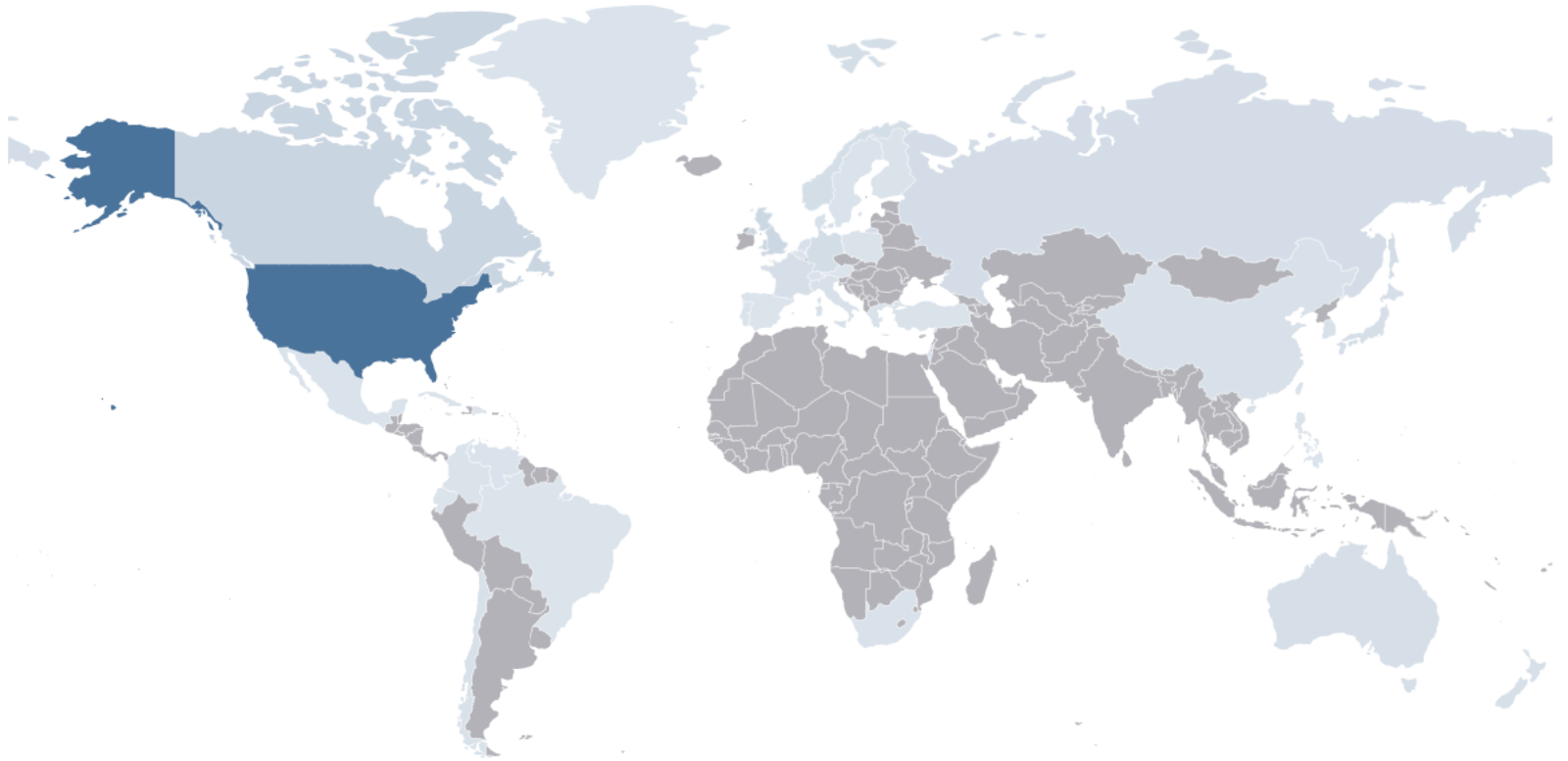
OER Institutional Collaborations



OER Institutional Collaborations



OER International Collaborations



Web of Science Documents

0

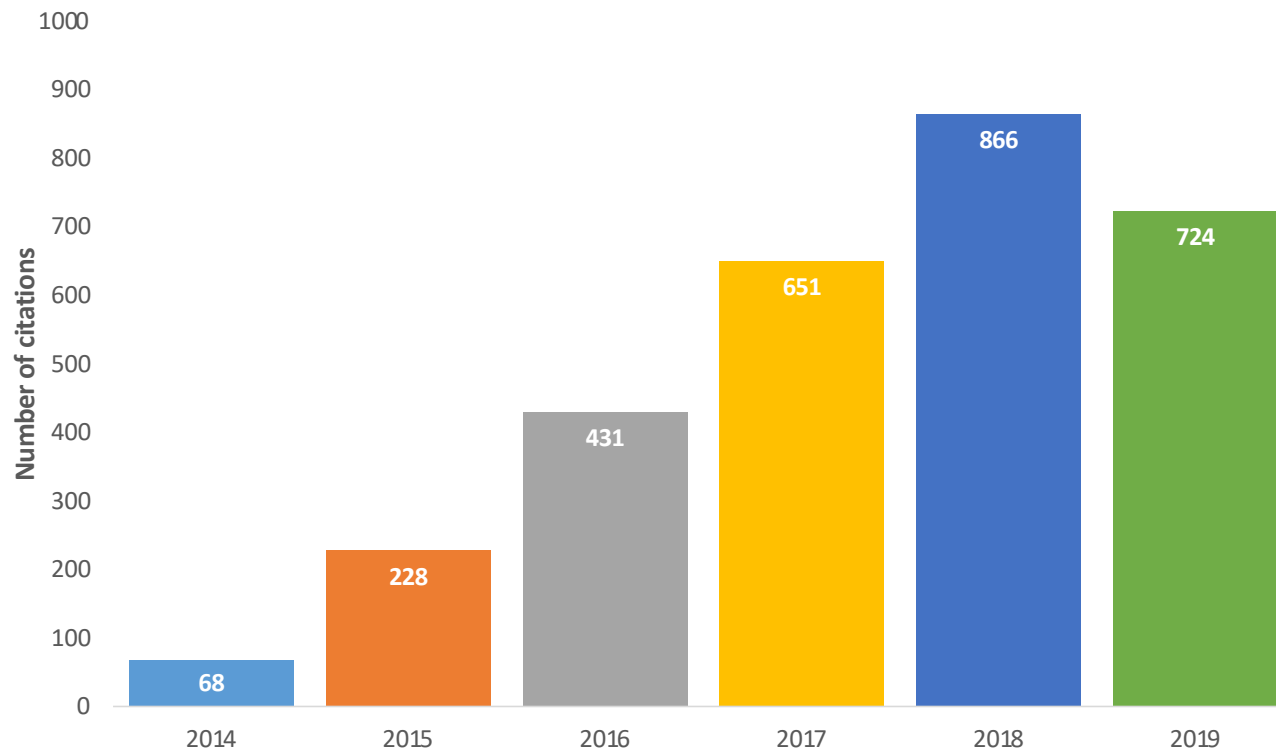
71

141

211

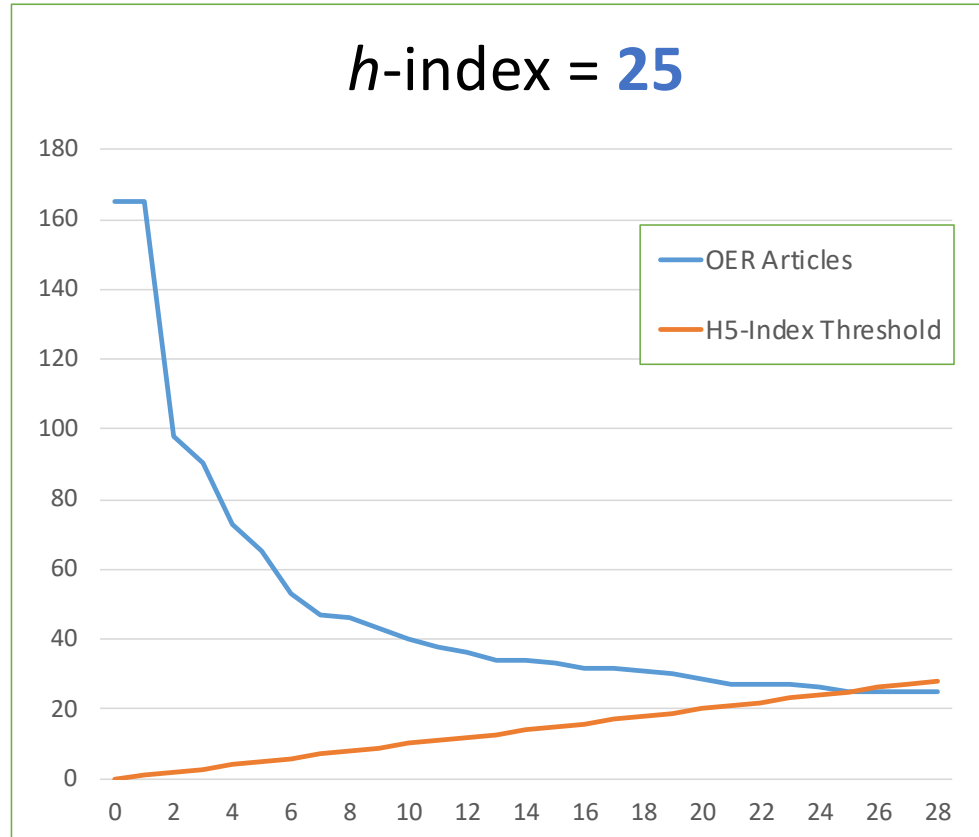
281

Citations Per Year



h-index

OER has an *h*-index of 25 meaning that of 303 OER-supported articles published between 2014 and 2018, 25 articles received *at least* 25 citations.



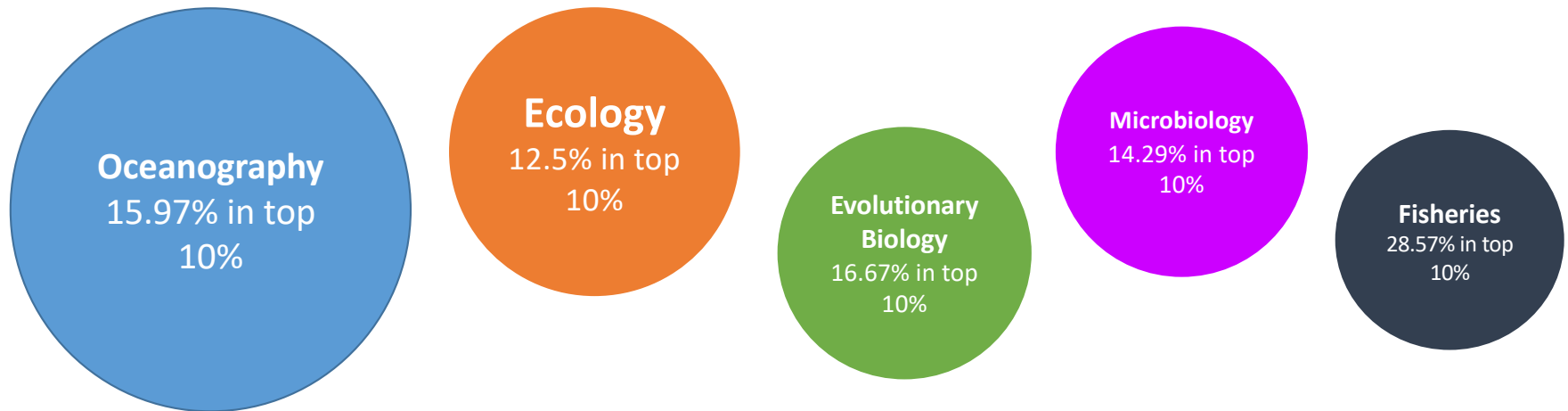
Percentile Ranking / Citation Performance

Percent of OER articles in top 1% = 1.65%

Percent of OER articles in top 10% = 12.87%

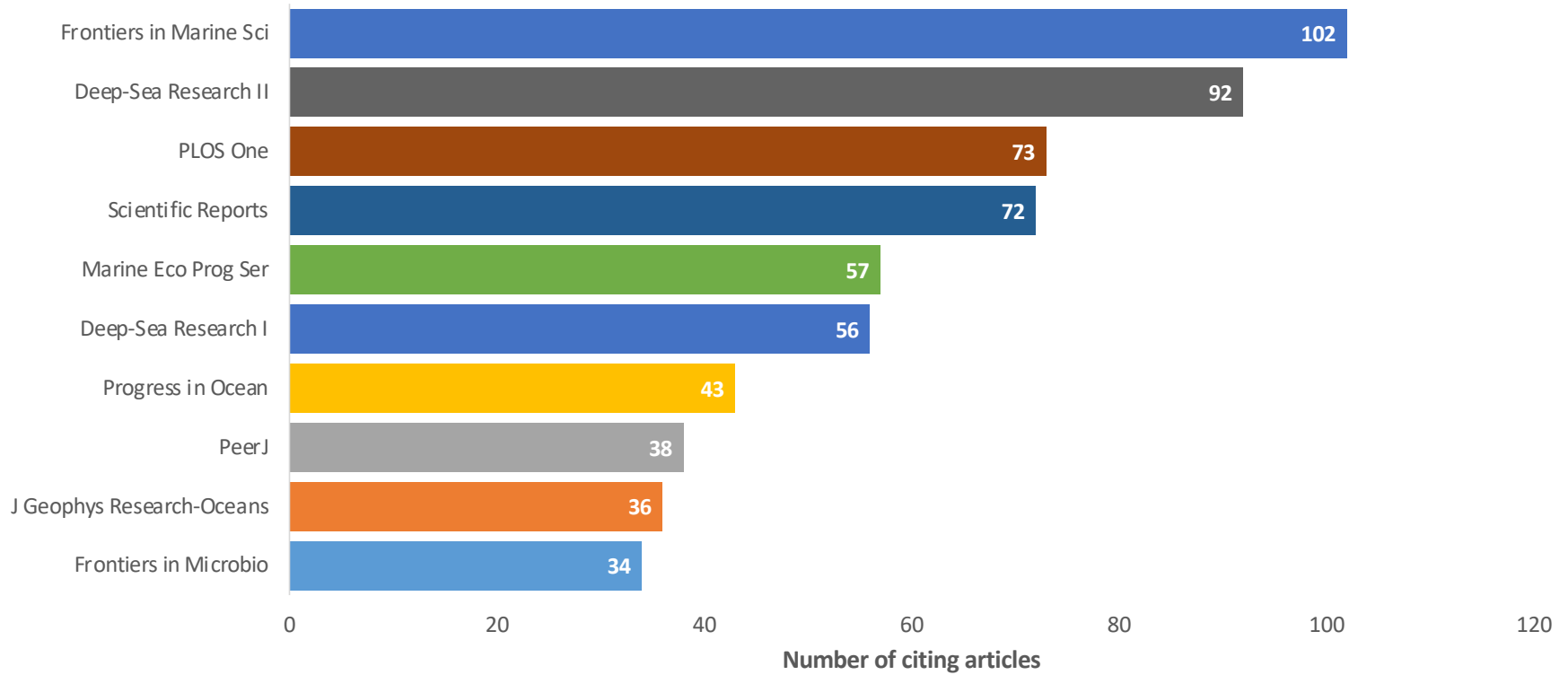
Percentage of publications in the top 1% or 10% based on citations by category, year, and document type

High performing subject areas



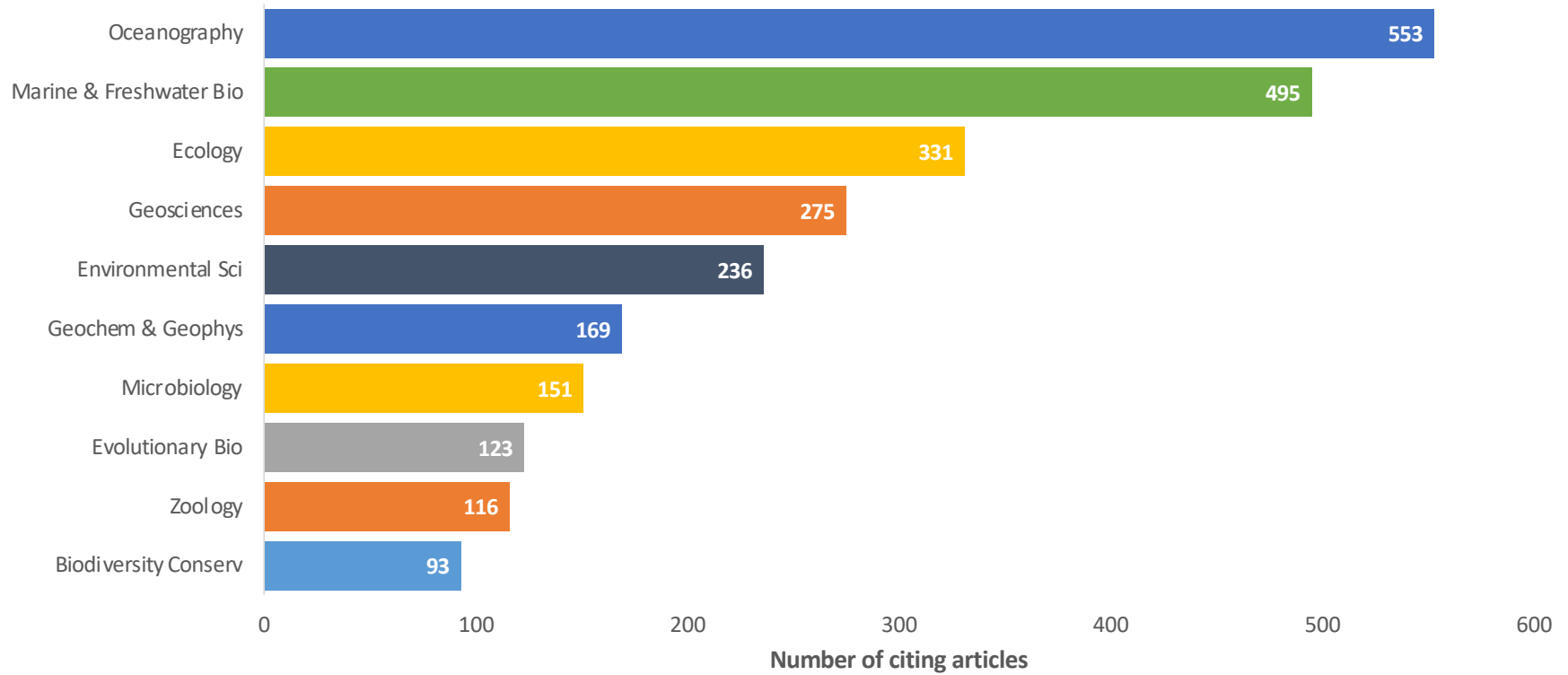
Citing Articles Per Journal

Top 10 Citing Journal Titles



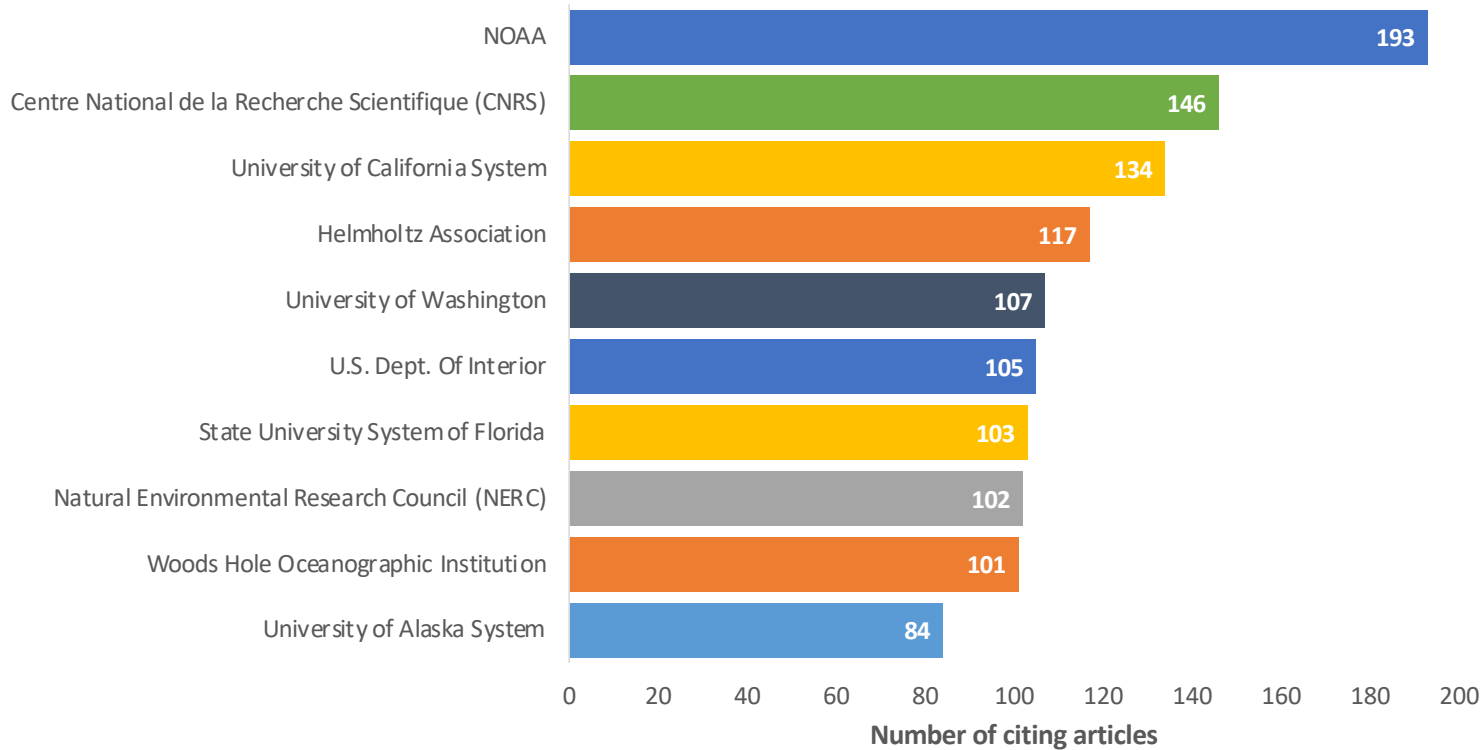
Citing Articles Per Subject Category

Top 10 Cited in Web of Science Subject Categories



Impact in the World

Top 10 Citing Institutions

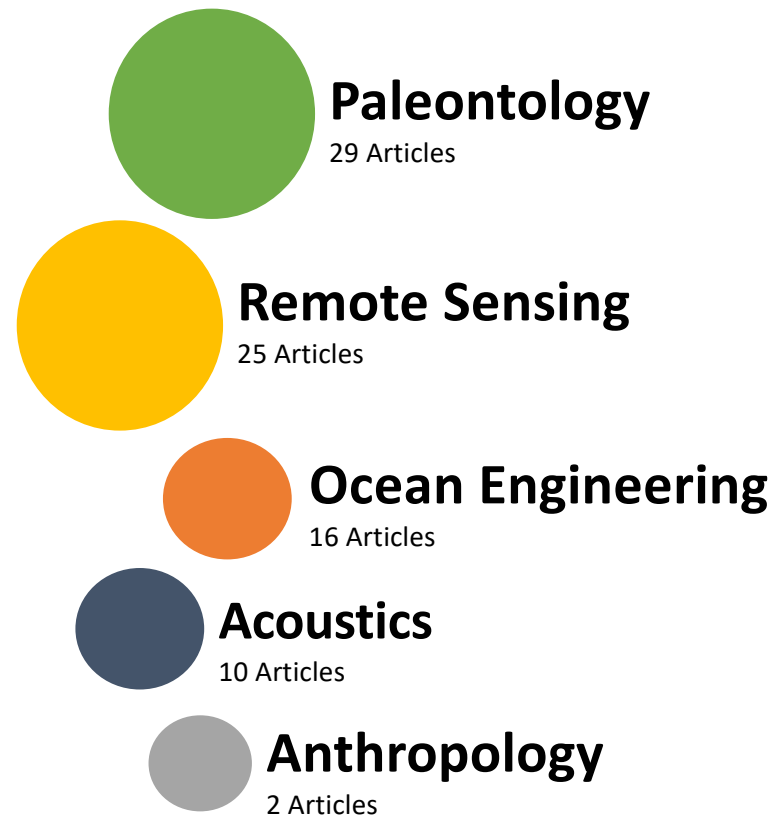


Top citing countries:

- United Kingdom
- Germany
- France
- Australia
- Canada
- China
- Norway
- Japan
- Italy
- Spain

Interdisciplinary Impact

OER articles have been cited in researchers in a wide variety of research areas.

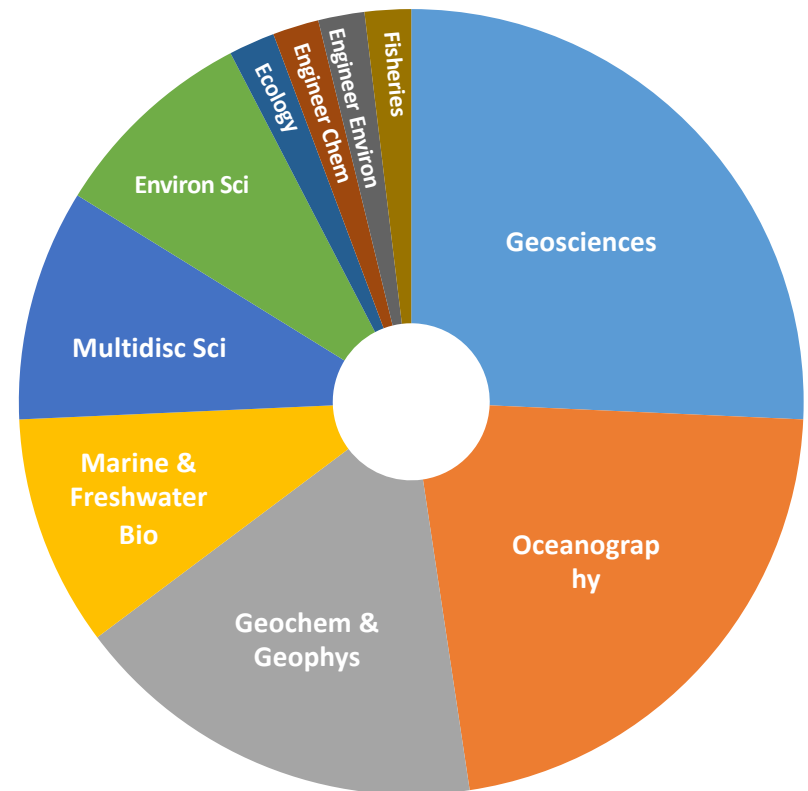


Snapshot of Highest Cited Papers

OER's highest cited paper is:

Skarke, A., et al. (2014). **Widespread methane leakage from the sea floor on the northern US Atlantic margin** *Nature Geoscience*. 7(9): 657-661. doi:10.1038/NGEO2232

Cited **98 times**
in **55 distinct journals** in **29 subjects**
by authors in **34 countries**.



Article Highlight - Shipwrecks

Colbo, K, et al. (2014) **A review of oceanographic applications of water column data from multibeam echosounders.** *Estuarine Coastal and Shelf Science*, 145: 41-56.

Cited **27 times** by authors at **51 institutions** in **19 subject categories**.

OTHER SHIPWRECK ARTICLES

- Brennan, M. L., et al. (2018). **Telepresence-Enabled Maritime Archaeological Exploration in the Deep.** *Journal of Maritime Archaeology*, 13(2), 97-121. doi:10.1007/s11457-018-9197-z
- Brennan, M. L., et al. (2016). **Quantification of bottom trawl fishing damage to ancient shipwreck sites.** *Marine Geology*, 371, 82-88. doi:10.1016/j.margeo.2015.11.001
- Church, R. A. (2014). **Deep-Water Shipwreck Initial Site Formation: The Equation of Site Distribution.** *Journal of Maritime Archaeology*. doi:10.1007/s11457-014-9128-6
- Etnoyer, P. J., et al. (2018). **Models of habitat suitability, size, and age-class structure for the deep-sea black coral *Leiopathes glaberrima* in the Gulf of Mexico.** *Deep-Sea Research Part II-Topical Studies in Oceanography*, 150, 218-228. doi:10.1016/j.dsr2.2017.10.008
- Krumholz, J. S., & Brennan, M. L. (2015). **Fishing for common ground: Investigations of the impact of trawling on ancient shipwreck sites uncovers a potential for management synergy.** *Marine Policy*, 61, 127-133. doi:10.1016/j.marpol.2015.07.009
- Larcom, E. A., et al. (2014). **Growth rates, densities, and distribution of *Lophelia pertusa* on artificial structures in the Gulf of Mexico.** *Deep-Sea Research Part I-Oceanographic Research Papers*, 85, 101-109. doi:10.1016/j.dsr.2013.12.005
- Meyer, K. S., et al. (2017). **Invertebrate communities on historical shipwrecks in the western Atlantic: relation to islands.** *Marine Ecology Progress Series*, 566, 17-29. doi:10.3354/meps12058
- Prouty, N. G., et al. (2016). **Growth rates and ages of deep-sea corals impacted by the Deepwater Horizon oil spill.** *Deep-Sea Research Part II-Topical Studies in Oceanography*, 129, 196-212. doi:10.1016/j.dsr2.2014.10.021
- Ross, S. W., et al. (2016). **Fish species associated with shipwreck and natural hard-bottom habitats from the middle to outer continental shelf of the Middle Atlantic Bight near Norfolk Canyon.** *Fishery Bulletin*, 114(1), 45-57. doi:10.7755/fb.114.1.4

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- Church, R. A. (2014). **Deep-Water Shipwreck Initial Site Formation: The Equation of Site Distribution.** *Journal of Maritime Archaeology*. doi:10.1007/s11457-014-9128-6
- Colbo, K, et al. (2014) **A review of oceanographic applications of water column data from multibeam echosounders.** *Estuarine Coastal and Shelf Science*, 145: 41-56.
- Etnoyer, P. J., et al. (2018). **Models of habitat suitability, size, and age-class structure for the deep-sea black coral *Leiopathes glaberrima* in the Gulf of Mexico.** *Deep-Sea Research Part II-Topical Studies in Oceanography*, 150, 218-228. doi:10.1016/j.dsr2.2017.10.008
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- Meyer, K. S., et al. (2017). **Invertebrate communities on historical shipwrecks in the western Atlantic: relation to islands.** *Marine Ecology Progress Series*, 566, 17-29. doi:10.3354/meps12058
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Article Highlight – Archaeology

Bell, K. L. C., et al. (2017). **New Frontiers in Ocean Exploration The E/V Nautilus, NOAA Ship Okeanos Explorer, and R/V Falkor 2016 Field Season.** *Oceanography*, 30(1), 1-+.
doi:10.5670/oceanog.2017.supplement.01

Brennan, M. L., et al. (2018). **Telepresence-Enabled Maritime Archaeological Exploration in the Deep.** 13(2), 97-121. Retrieved from <https://doi.org/10.1007/s11457-018-9197-z>. doi:10.1007/s11457-018-9197-z

Church, R. A. (2014). **Deep-Water Shipwreck Initial Site Formation: The Equation of Site Distribution.** *Journal of Maritime Archaeology*, In Press. Retrieved from <http://dx.doi.org/10.1007/s11457-014-9128-6>.
doi:10.1007/s11457-014-9128-6

Delgado, J. P., et al. (2018). **Telepresence-enabled archaeological survey and identification of SS Coast Trader, Straits of Juan de Fuca, British Columbia, Canada.** *Deep-Sea Research Part II-Topical Studies in Oceanography*, 150, 22-29. doi:10.1016/j.dsr2.2017.05.013

Lickliter-Mundon, M., et al. (2018). **Identification of a Deep-water B-29 WWII Aircraft via ROV Telepresence Survey.** *Journal of Maritime Archaeology*, 13(2), 167-189. doi:10.1007/s11457-018-9200-8.
doi:10.1007/s11457-018-9200-8

Sonnenburg, E., & O'Shea, J. (2017). **Archaeological Landscapes during the 10-8 ka Lake Stanley Lowstand on the Alpena-Amberley Ridge, Lake Huron.** *Geoarchaeology-an International Journal*, 32(2), 230-247.
doi:10.1002/gea.21590

Article Highlight – Aircraft/B-29s

Lickliter-Mundon, M., et al. (2018). **Identification of a Deep-water B-29 WWII Aircraft via ROV Telepresence Survey.** *Journal of Maritime Archaeology*, 13(2), 167-189. doi:10.1007/s11457-018-9200-8

Pale-landscapes / Paleoenvironments

Kelly, J. T., et al. (2014). **Exploration of the 1891 Foerstner submarine vent site (Pantelleria, Italy): insights into the formation of basaltic balloons.** *Bulletin of Volcanology*, 76(7), 18. doi:10.1007/s00445-014-0844-4

McGann, M., & Conrad, J. E. (2018). **Faunal and stable isotopic analyses of benthic foraminifera from the Southeast Seep on Kimki Ridge offshore southern California, USA.** *Deep-Sea Research Part II-Topical Studies in Oceanography*, 150, 92-117. doi:10.1016/j.dsr2.2018.01.011

Sonnenburg, E., & O'Shea, J. (2017). **Archaeological Landscapes during the 10-8 ka Lake Stanley Lowstand on the Alpena-Amberley Ridge, Lake Huron.** *Geoarchaeology-an International Journal*, 32(2), 230-247. doi:10.1002/gea.21590