OER Lab Review
Bibliometrics

Prepared by Sarah Davis
NOAA Central Library
9 October, 2019

QUANTITATIVE

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%

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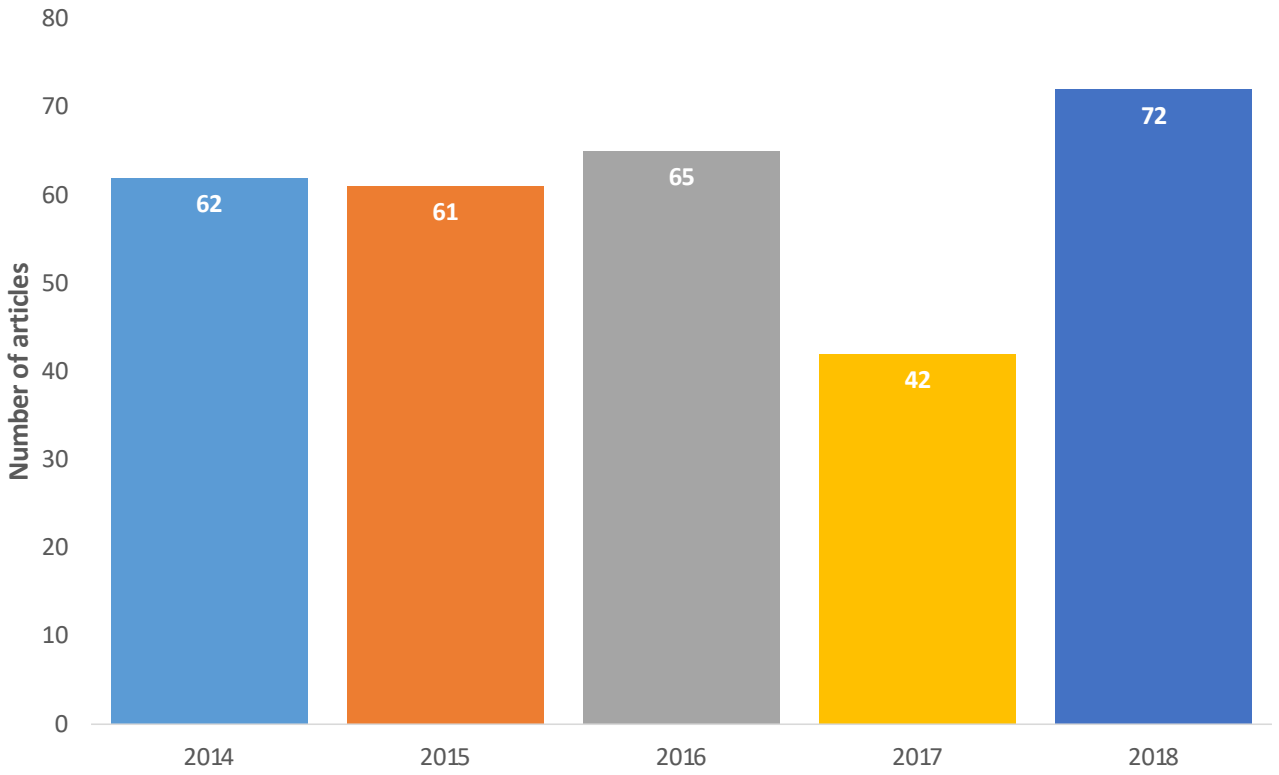
Articles Per Year



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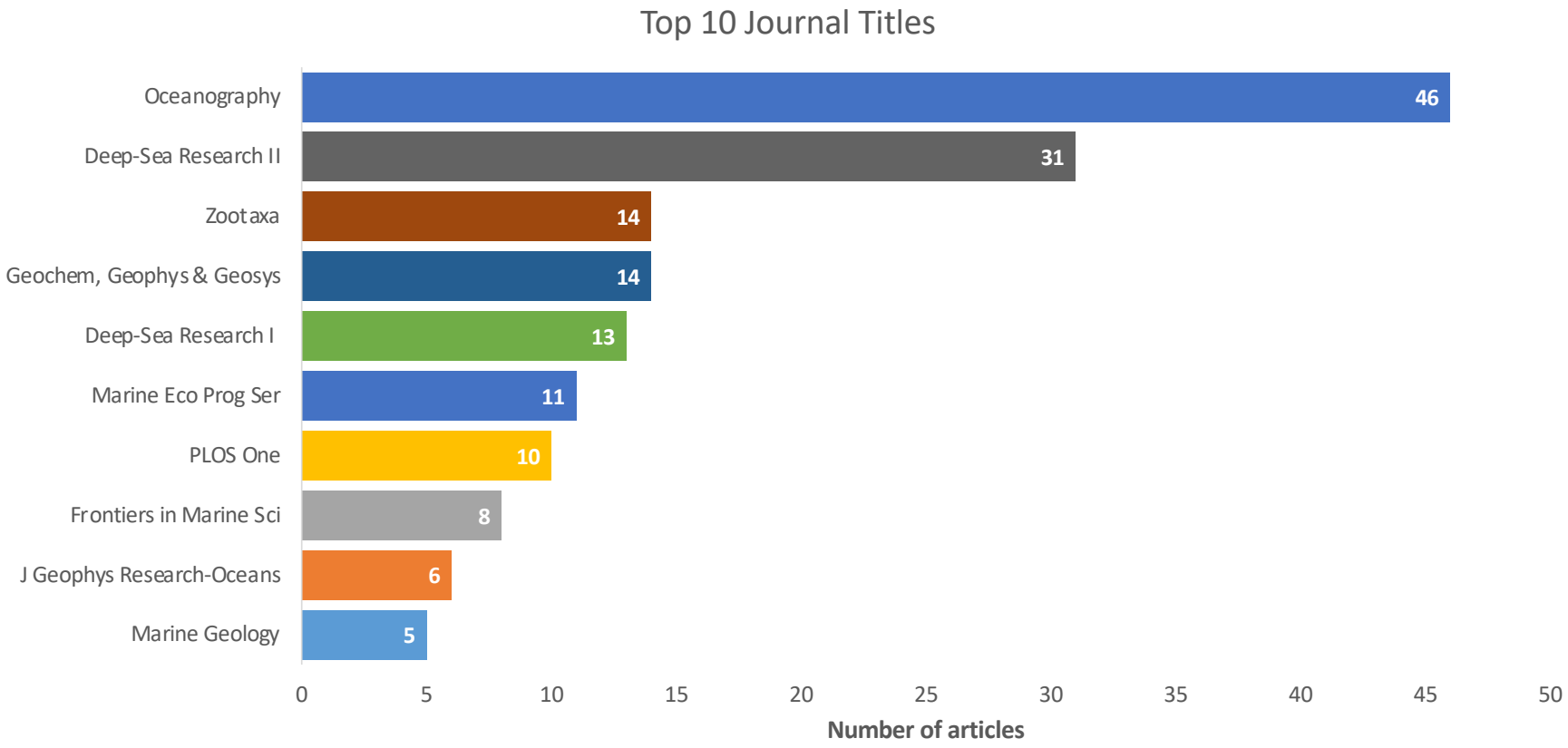
Articles Per Journal



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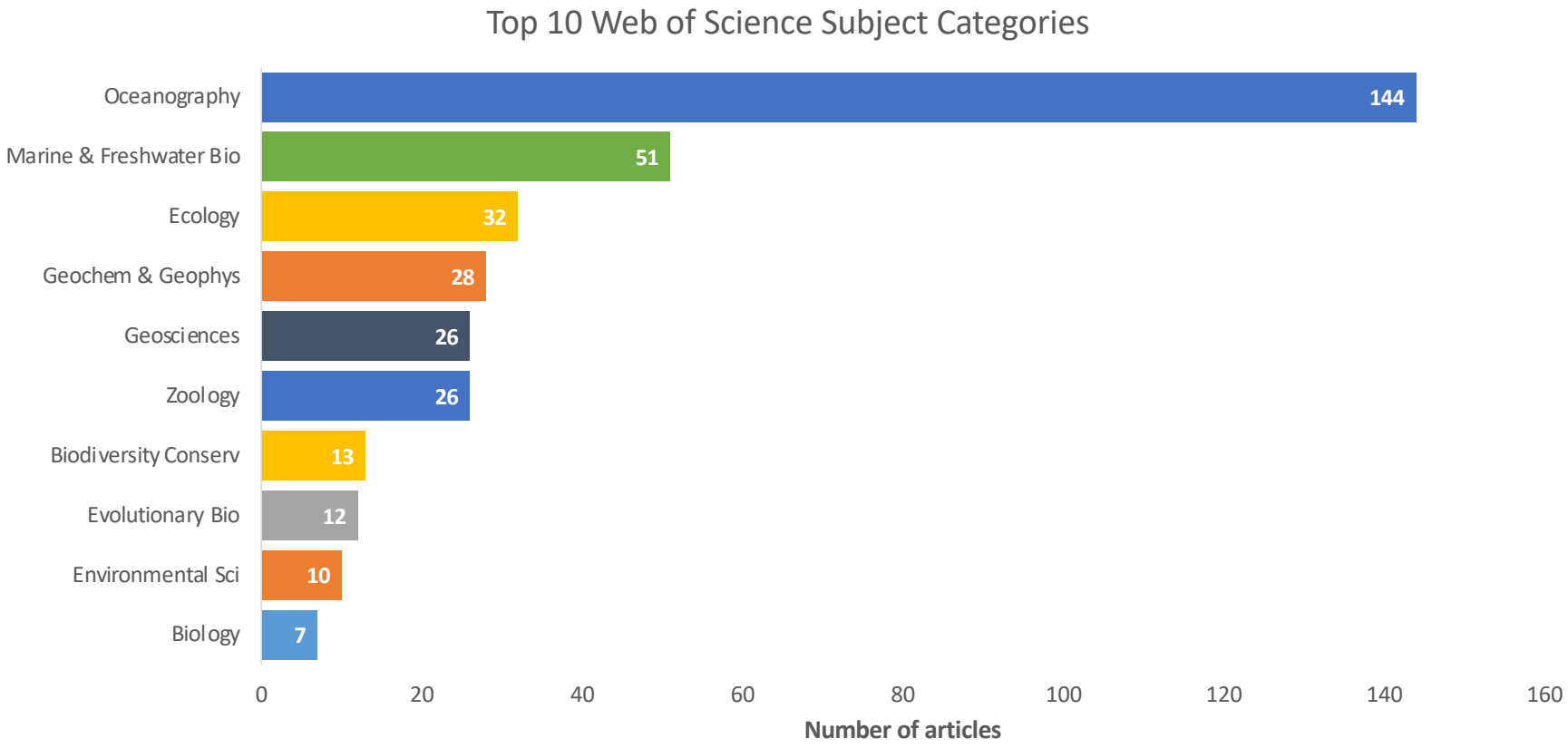
Articles Per Subject Category



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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

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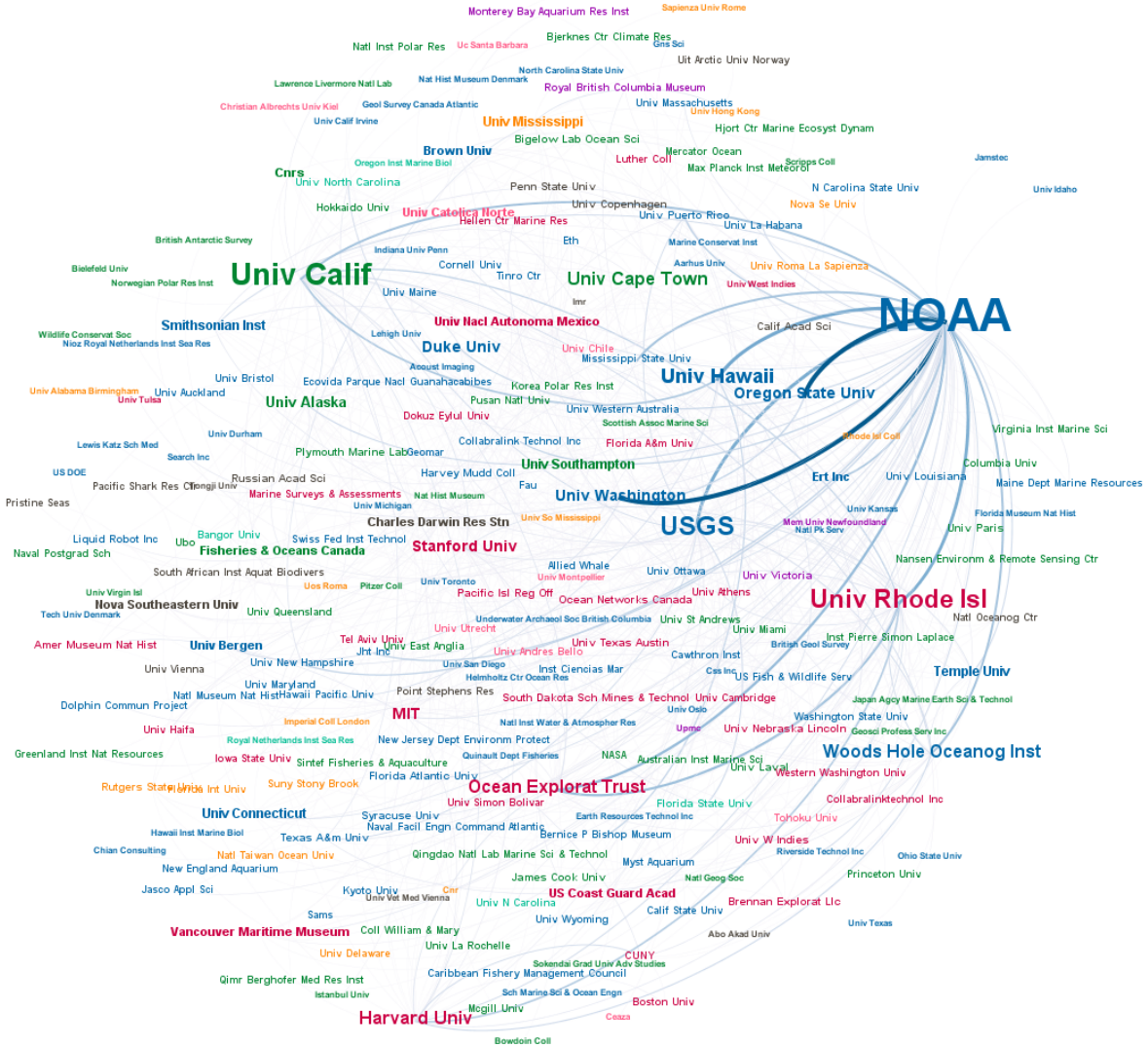
OER Institutional Collaborations



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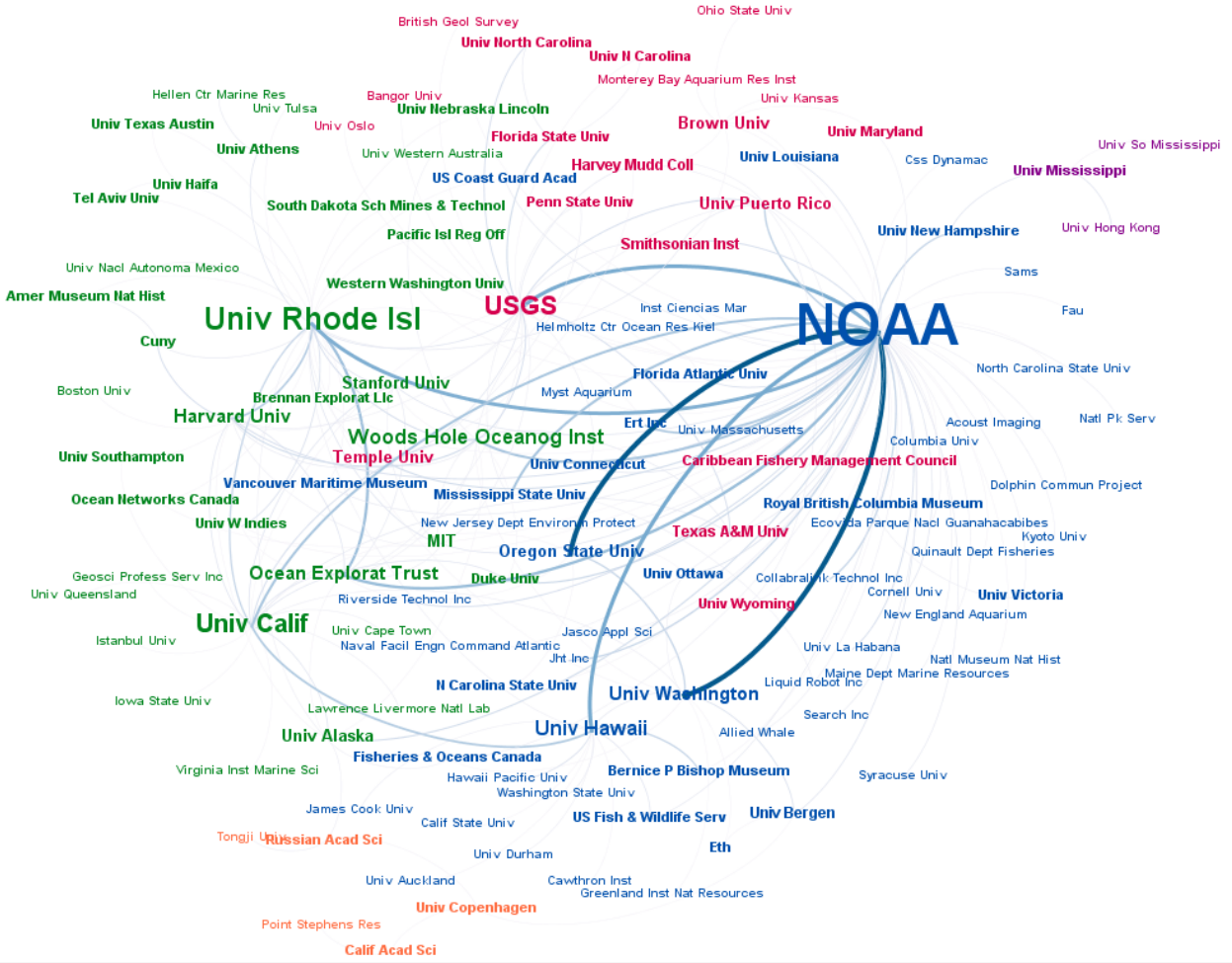
OER Institutional Collaborations



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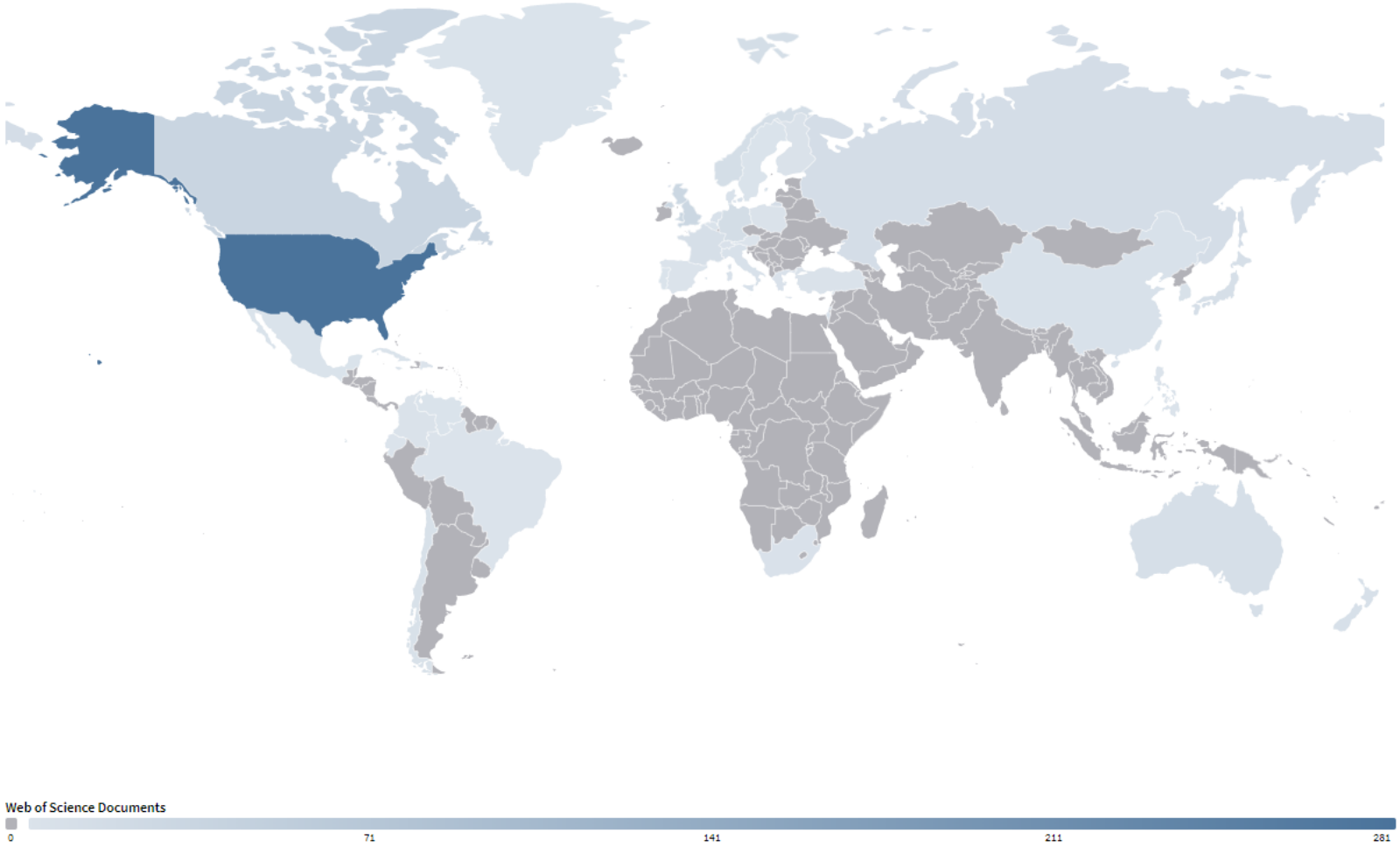
OER International Collaborations



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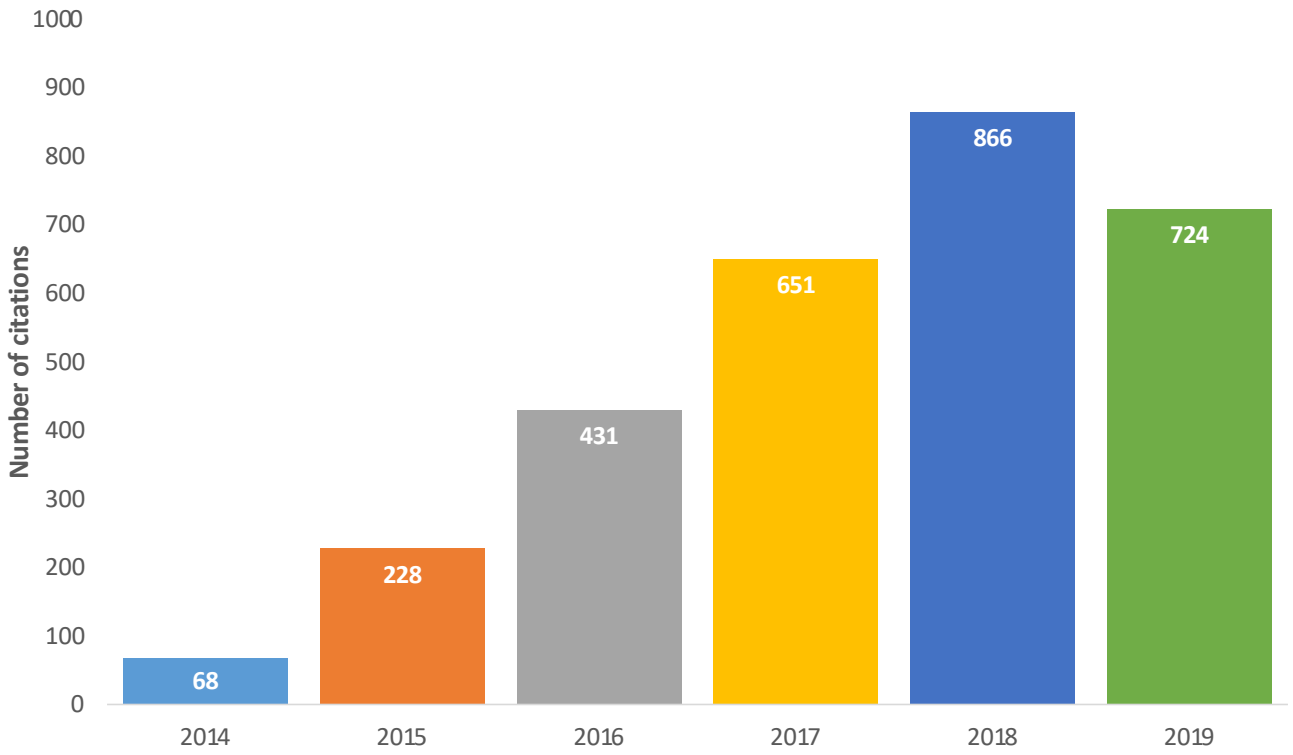
Citations Per Year



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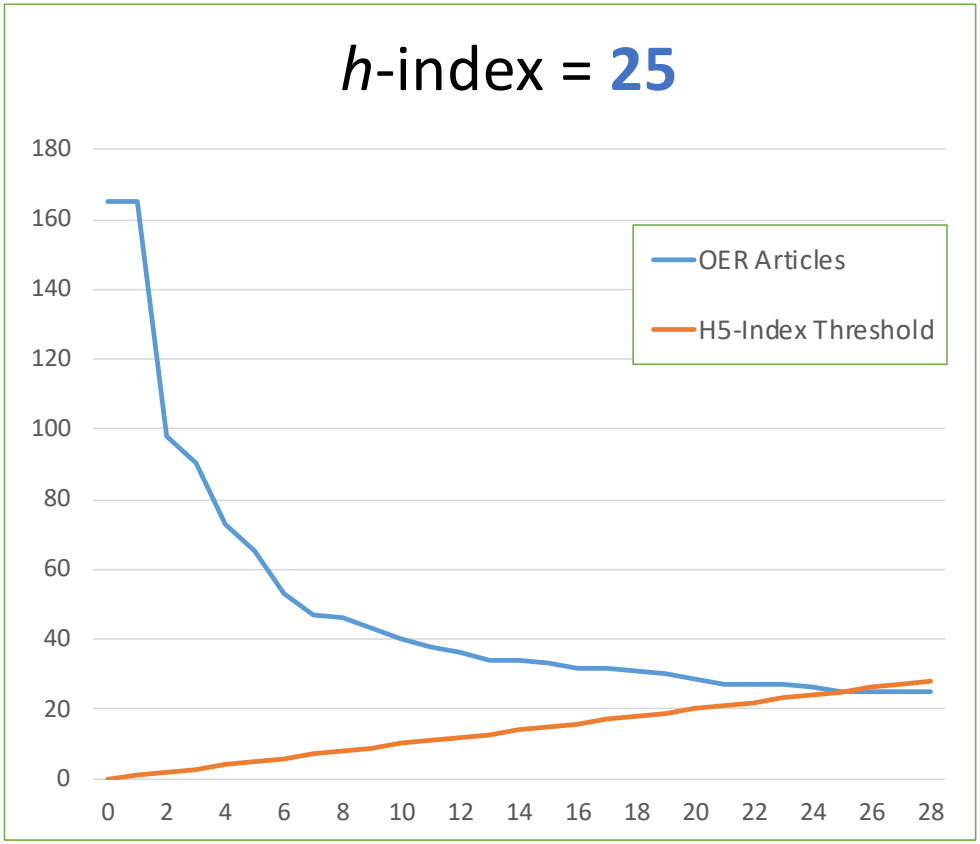
h-index

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.



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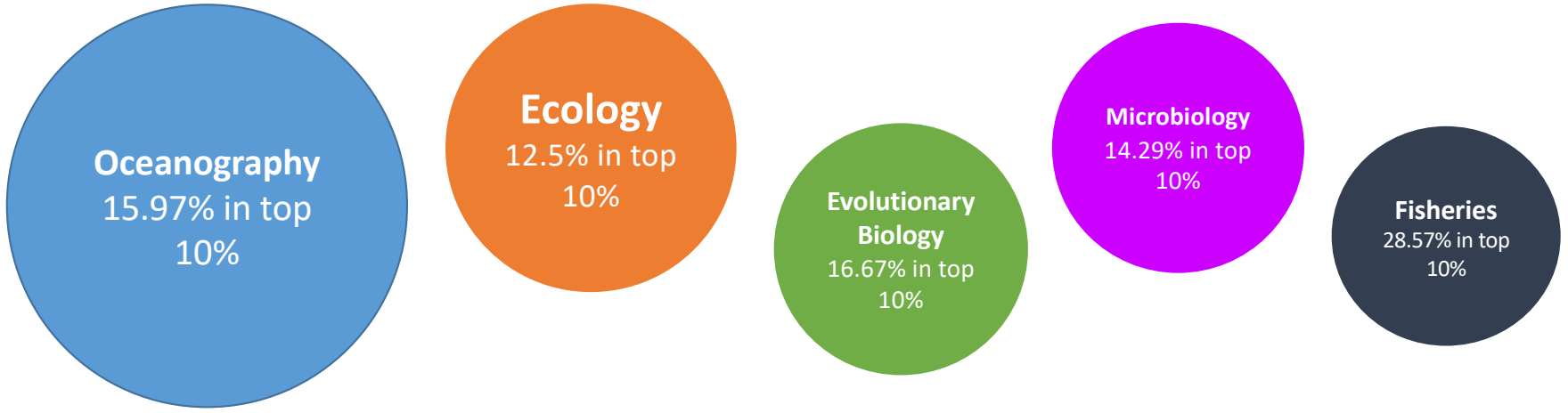
Percentile Ranking / Citation Performance

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



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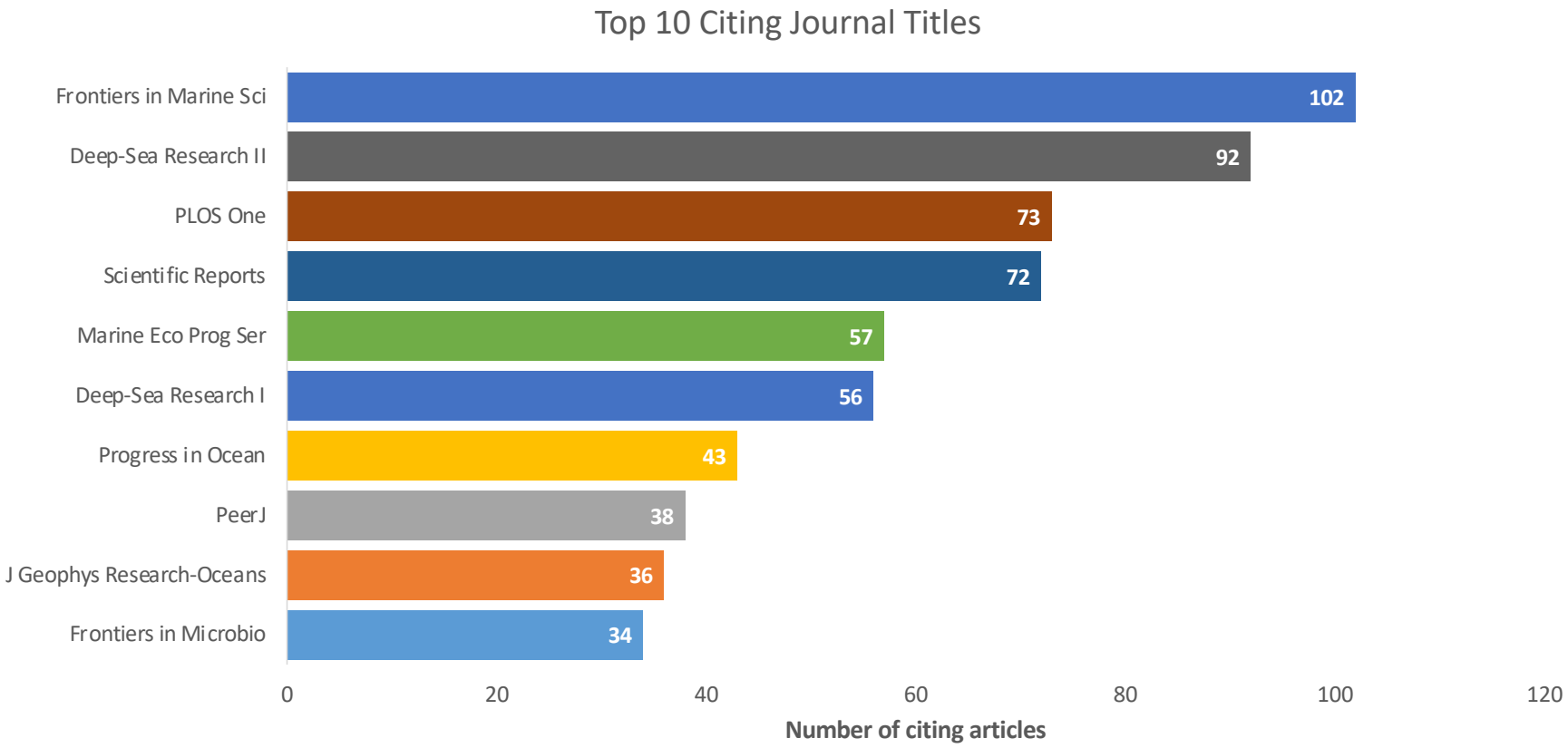
Citing Articles Per Journal



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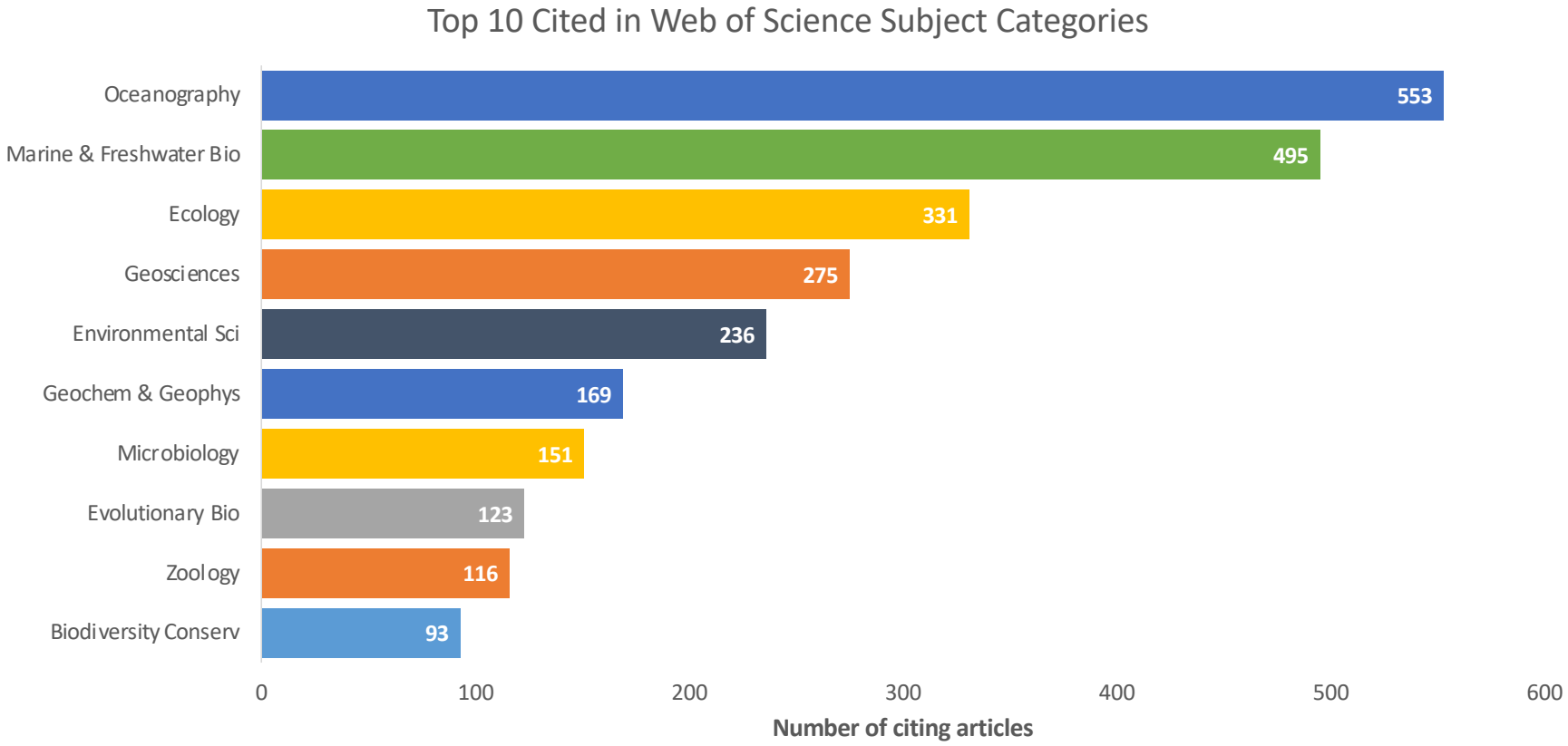
Citing Articles Per Subject Category



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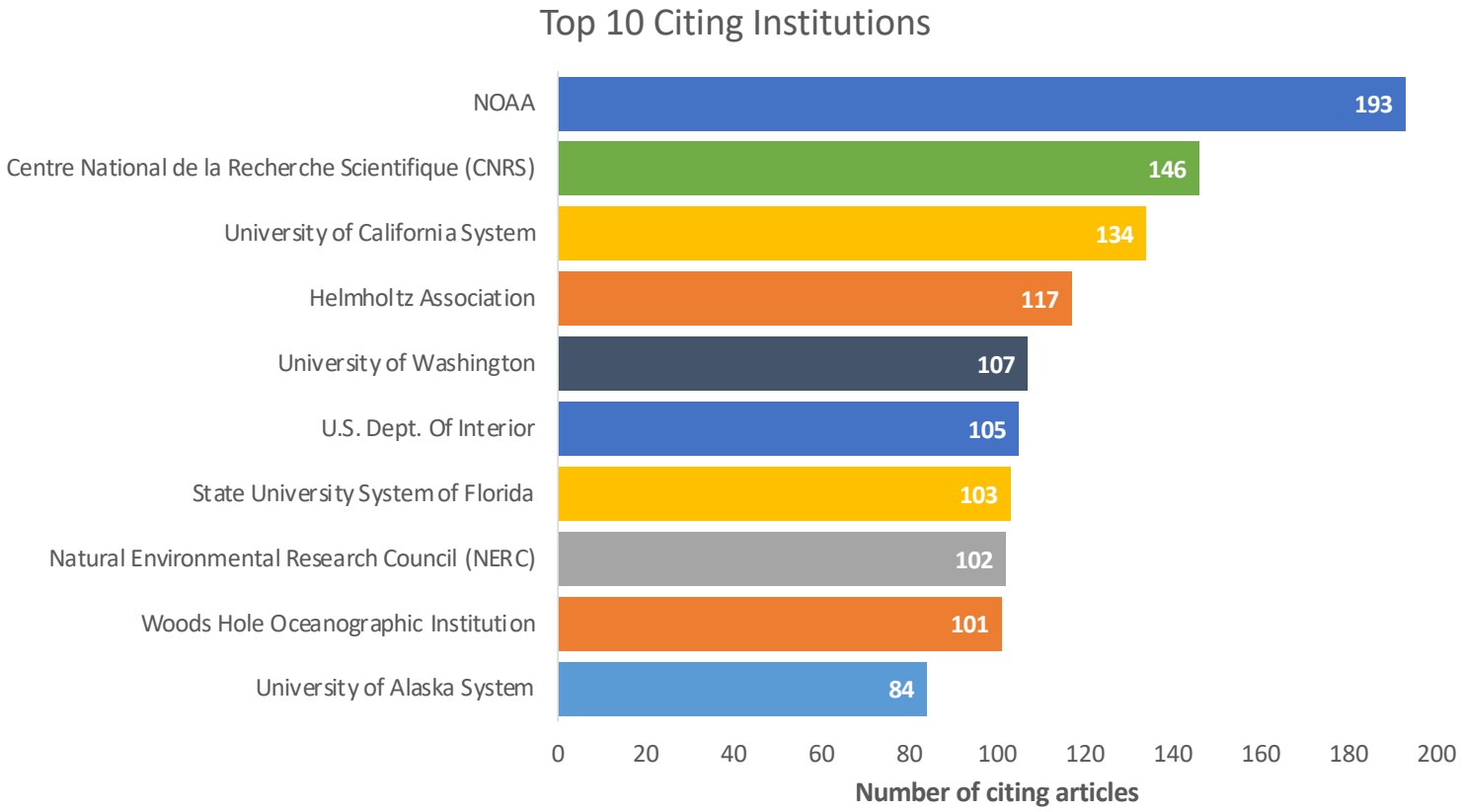
Impact in the World



Top citing countries:

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

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Bibliometric Mapping

Word co-occurrence network map of the 158 words most commonly co-occurring in the titles of OER-supported journal articles.

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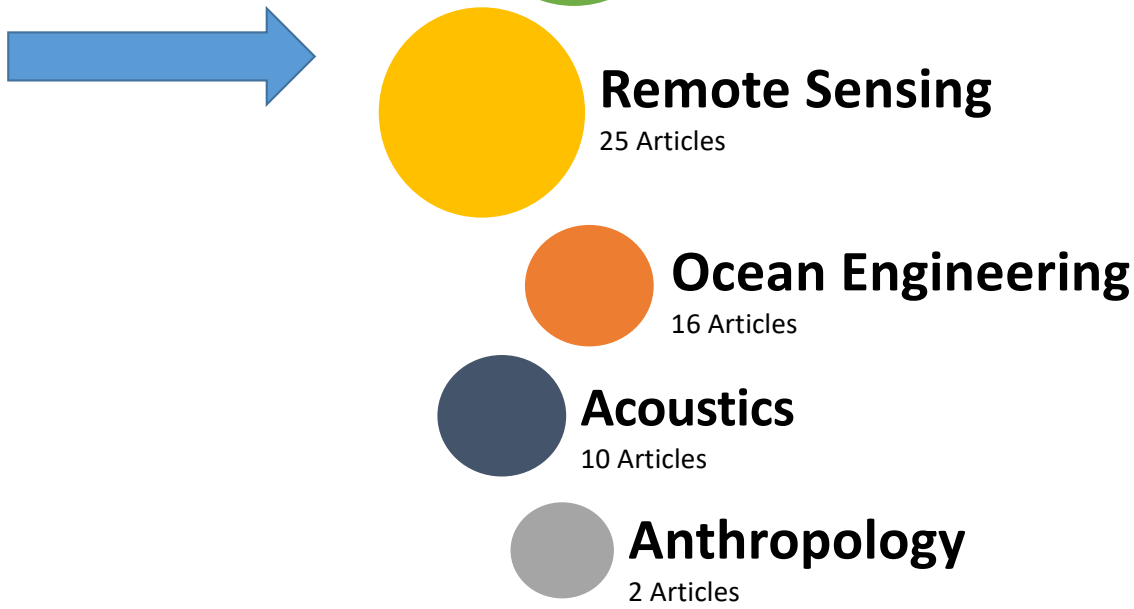
Interdisciplinary Impact

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



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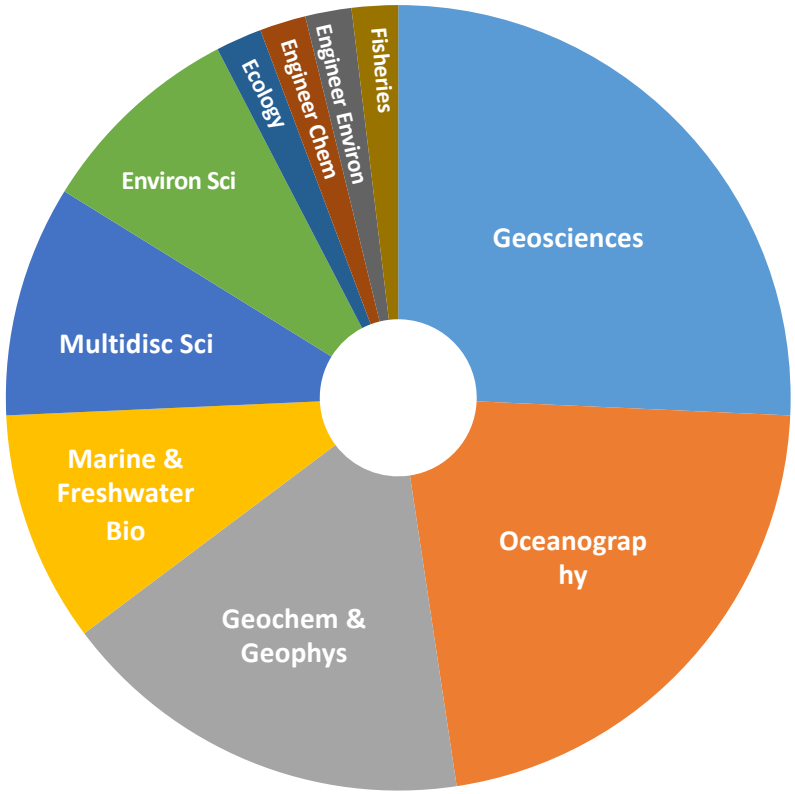
Snapshot of Highest Cited Papers

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.**



QUALITATIVE

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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QUALITATIVE

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

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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