

# Bibliometric Analysis of OAP Articles: FY2015-2019

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# ABOUT THIS ANALYSIS

- All data in this analysis is sourced from **Web of Science (WOS)** Science Citation Index Expanded & Social Sciences Citation Index and InCites (a WOS product) and is accurate as of September 18, 2020.
- Articles analyzed in this report are limited to peer-reviewed scholarly articles authored or coauthored by individuals employed by or resulting from funding provided by NOAA's Ocean Acidification Program, published in FY2015 through FY2019 which have been indexed in WOS. Other publications and articles not indexed in WOS are not included in this analysis.

# SUMMARY METRICS

Bibliometric Indicator	Value
Number of Articles	217
<i>H5-Index</i> *	35
Total Number of Citations per Article	57,138
Average Number of Citations per Article	23.68
Percentage of Articles Cited	97.7%
Percentage of Articles in Top 1%**	5.017%
Percentage of Articles in Top 10%**	33.18%
Percentage of Articles that are Open Access (all types)	66.8%

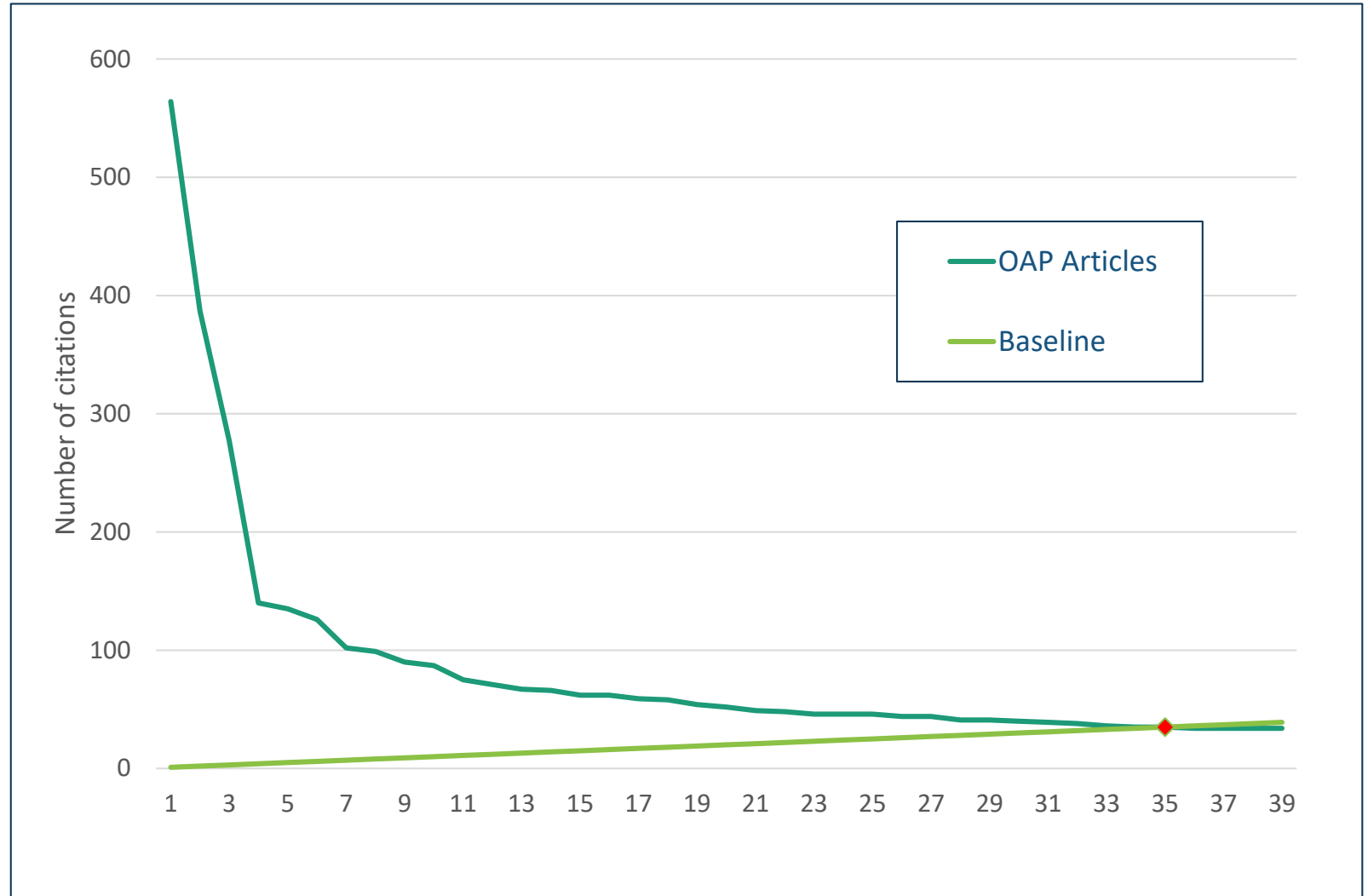
\* An *H5-Index* of 35 indicates that this group of 217 publications includes 35 articles that have each received 35 or more citations. *H5-Index* is limited to the last five complete publication years

\*\* Papers in the top 1% and top 10% based on citations by category, year, and document type. 33.18% of OAP articles received more citations than 90% of other articles published in the same category and year.

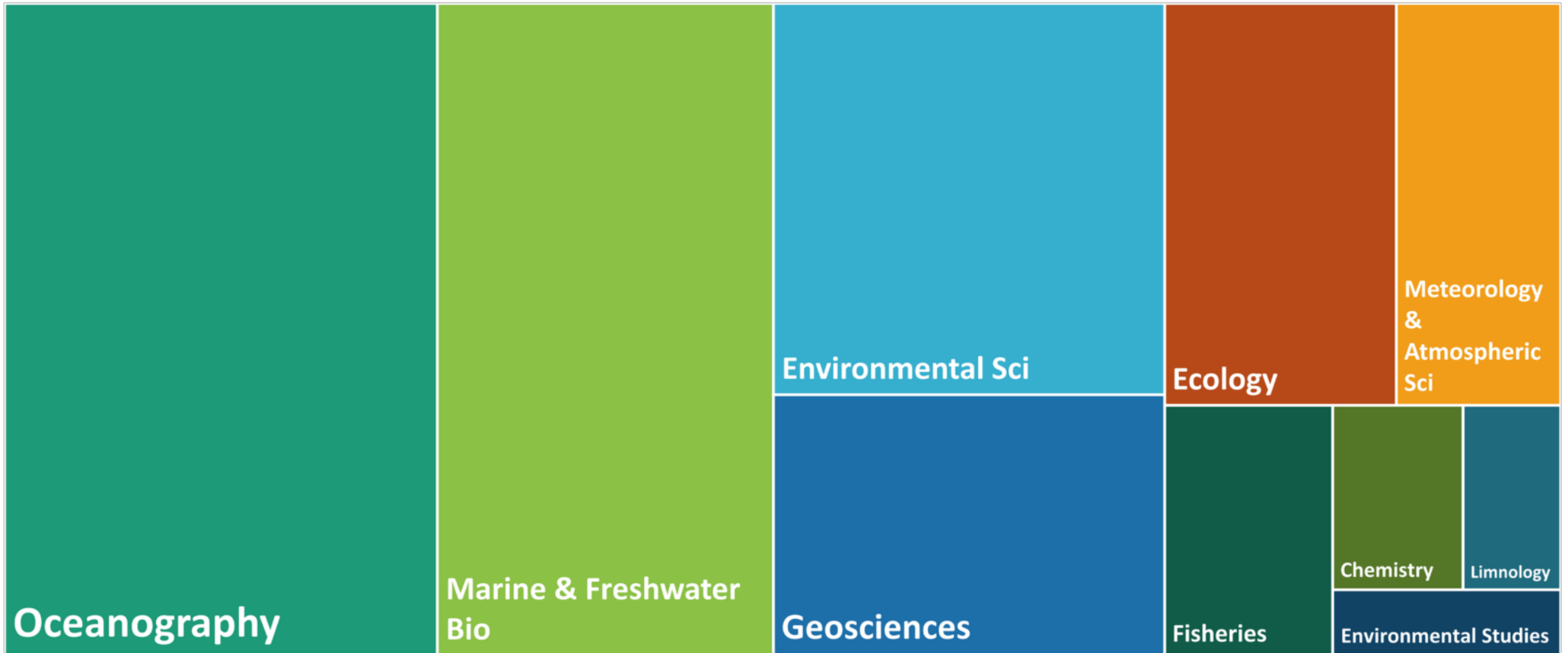
# H-INDEX

The OAP articles in this analysis have a combined *h5-Index* of **35**, meaning that 35 of the 217 articles have received 35 or more citations.

The chart is a visual representation of the *h5-index* calculation with the line of citations and number of articles intersecting at the *h5-index* of **35**.



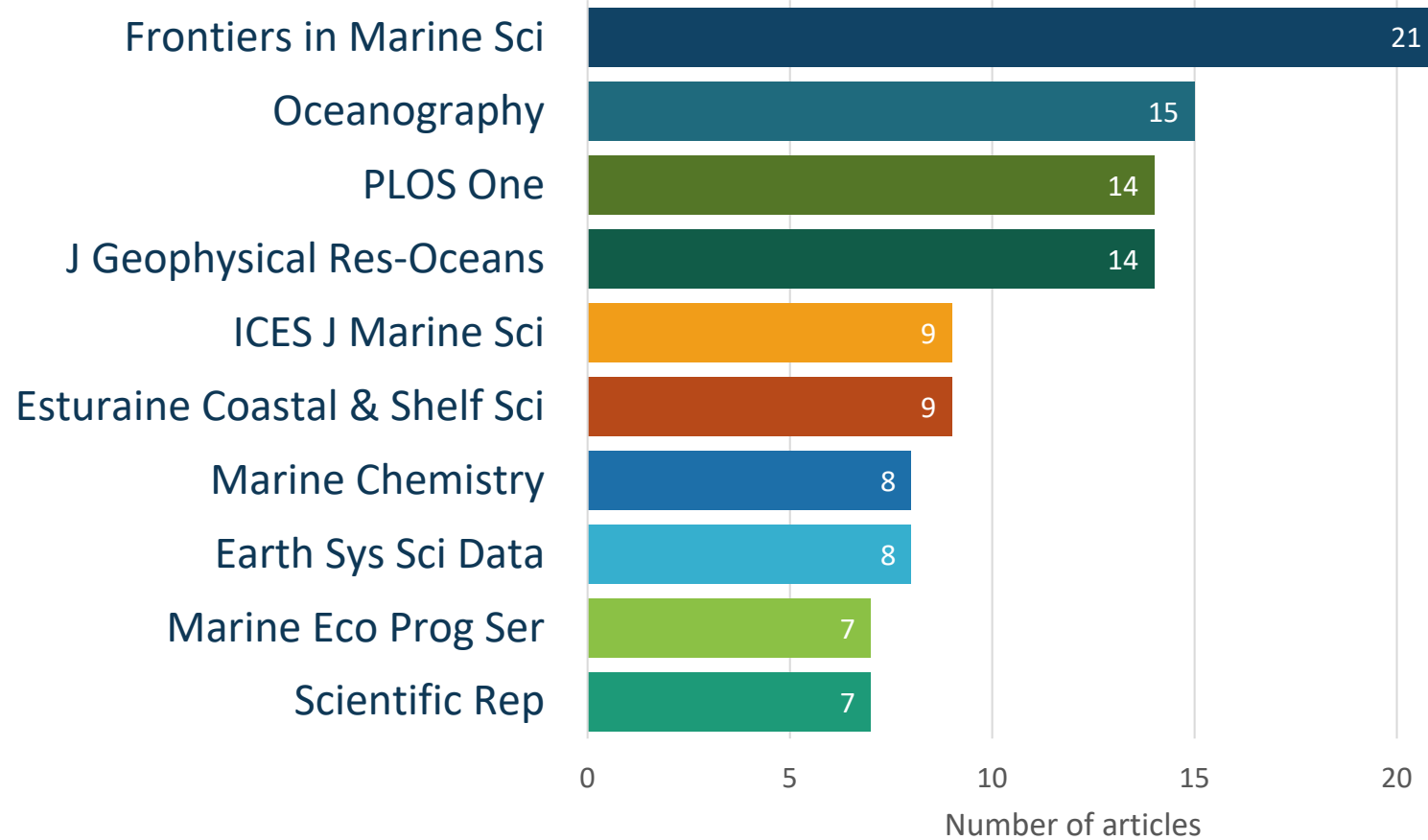
# TOP SUBJECT CATEGORIES



OAP articles appeared in 27 distinct subject categories, the top 10 of which are shown here.

Subject categories are assigned by WOS based on the journal in which they appear and a single article may be assigned multiple subject categories.

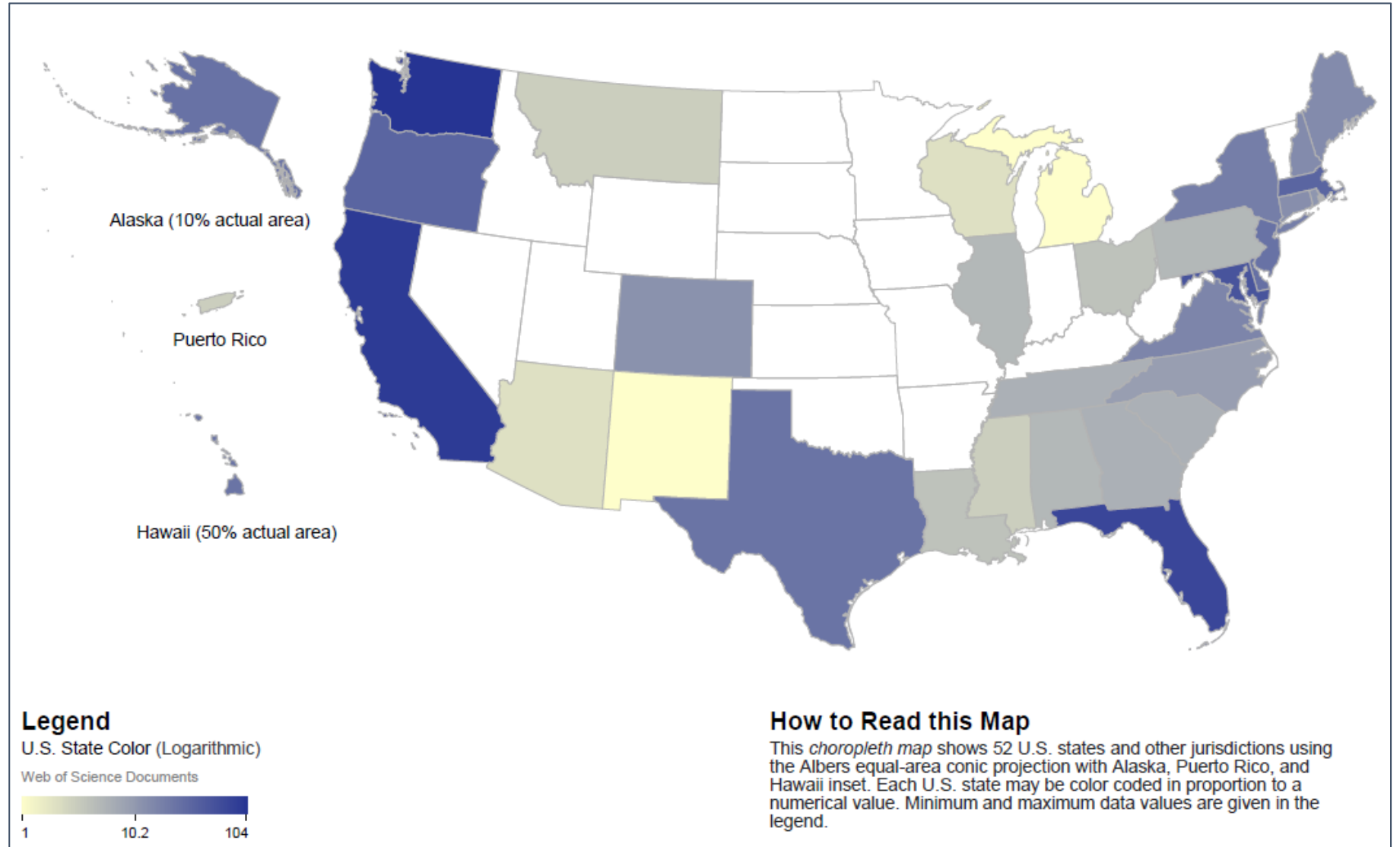
# TOP JOURNAL TITLES



OAP articles appeared in 66 distinct journal titles. The top 10 titles by number of articles are shown here.

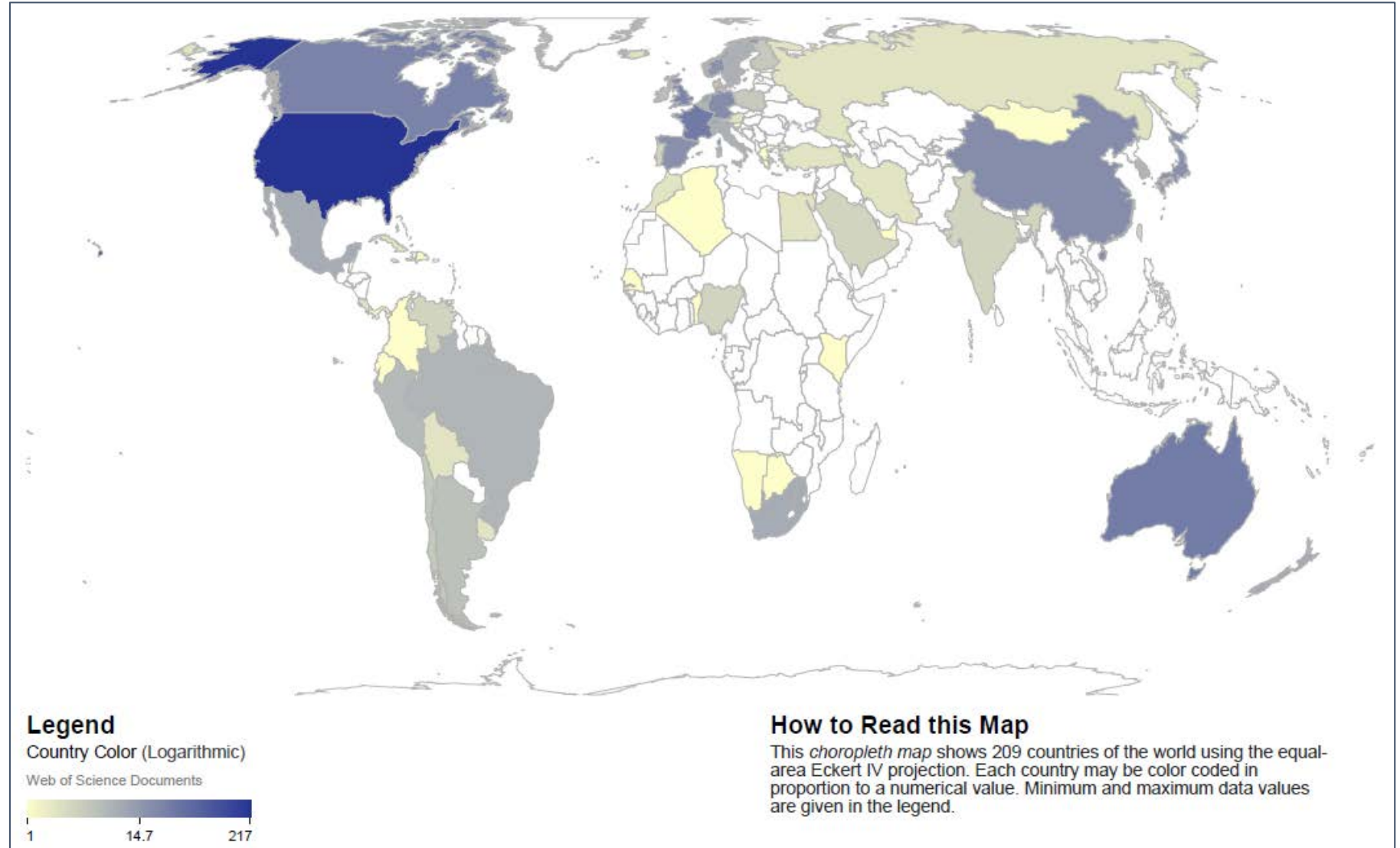
# COLLABORATION – UNITED STATES

Authors from institutions in 34 states, the District of Columbia and Guam collaborated on OAP articles.



# COLLABORATION - INTERNATIONAL

Authors from institutions in 73 countries collaborated on OAP articles. Top non-USA collaborating countries are France, Australia, the United Kingdom and the Netherlands.





# SUBJECT AREA HIGHLIGHT: AQUACULTURE

48

OAP articles were found to concern aquaculture, fisheries or fishery management. These articles were identified by reviewing the titles, abstracts and keywords of all OAP articles.

These articles  
have been cited

**1,181**

times

by authors at  
more than

**1,400**

institutions

in

**64**

Web of Science  
subject categories

# SNAPSHOT OF STANDOUT OAP ARTICLE

## Global Carbon Budget 2016

Le Quere, C; Andrew, RM; Canadell, et al., 2016. Earth System Science Data, 8 (2), 605-649. DOI: 10.5194/essd-8-605-2016

Cited  
**584**  
times

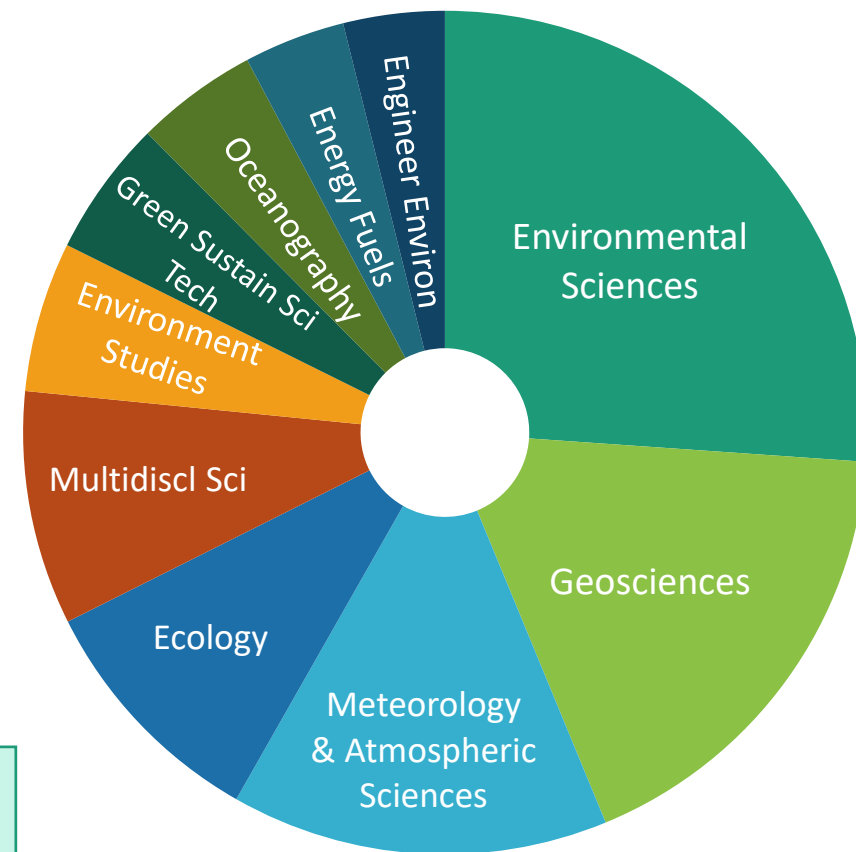
by  
**3,524**  
authors

at  
**1,100+**  
institutions

in  
**87**  
countries



This article was cited by articles in 72 Subjects. The top 10 are shown here.



# SNAPSHOT OF STANDOUT OAP ARTICLE

## Hypoxia and acidification in ocean ecosystems: coupled dynamics and effects on marine life

Gobler, CJ; Baumann, H., 2016. Biology Letters, 12 (4), 20150976. DOI: 10.1098/rsbl.2015.0976

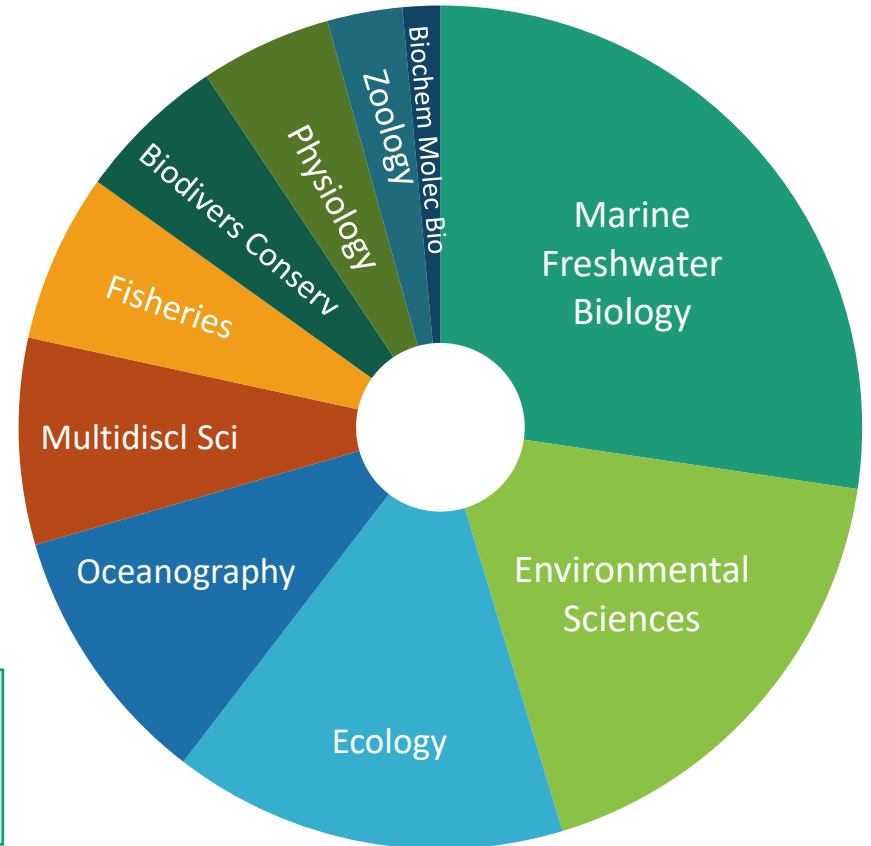
Cited  
**78**  
times

by  
**333**  
authors

at  
**180+**  
institutions

in  
**32**  
countries

This article was cited by articles in 19 Subjects. The top 10 are shown here.



# SNAPSHOT OF STANDOUT OAP ARTICLE

## Climatological distribution of aragonite saturation state in the global oceans

Jiang, LQ; Feely, RA; Carter, BR; Greeley, DJ; Gledhill, DK; Arzayus, KM, 2015. Global Biochemical Cycles, 29 (10), 1656-1673. DOI: 10.1002/2015GB005198

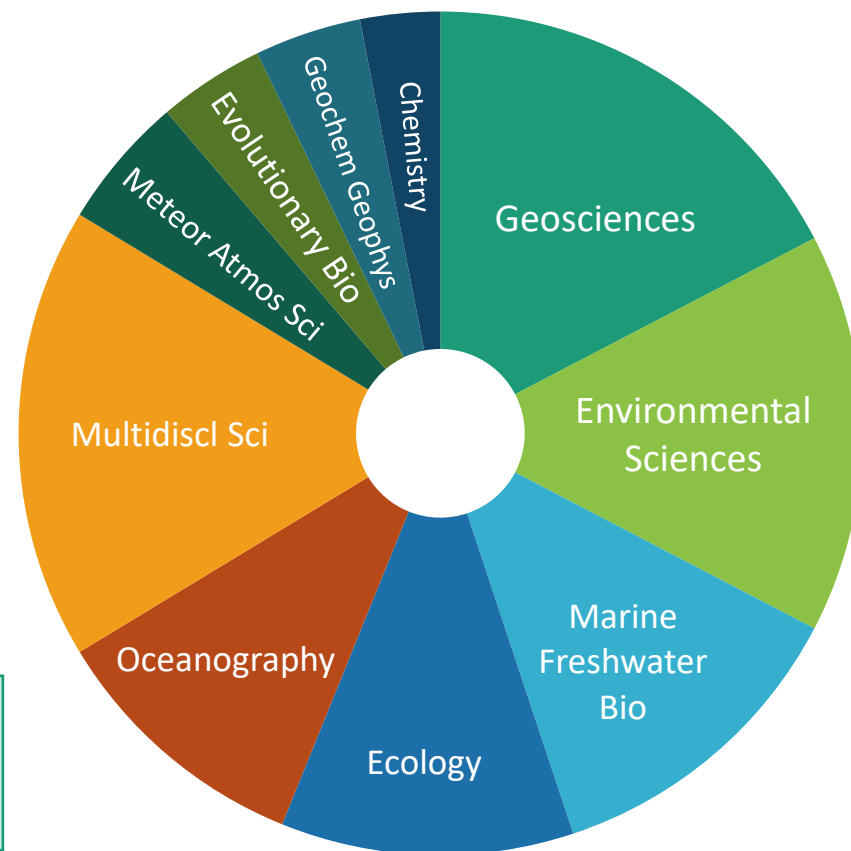
Cited  
**61**  
times

by  
**354**  
authors

at  
**200+**  
institutions

in  
**39**  
countries

This article was cited by articles in 22 Subjects. The top 10 are shown here.



# SNAPSHOT OF STANDOUT OAP ARTICLE

A high-frequency atmospheric and seawater pCO(2) data set from 14 open-ocean sites using a moored autonomous system

Sutton, AJ, et al., 2014. Earth Systems Science Data, 6 (2), 353-366. DOI: 10.5194/essd-6-353-2014

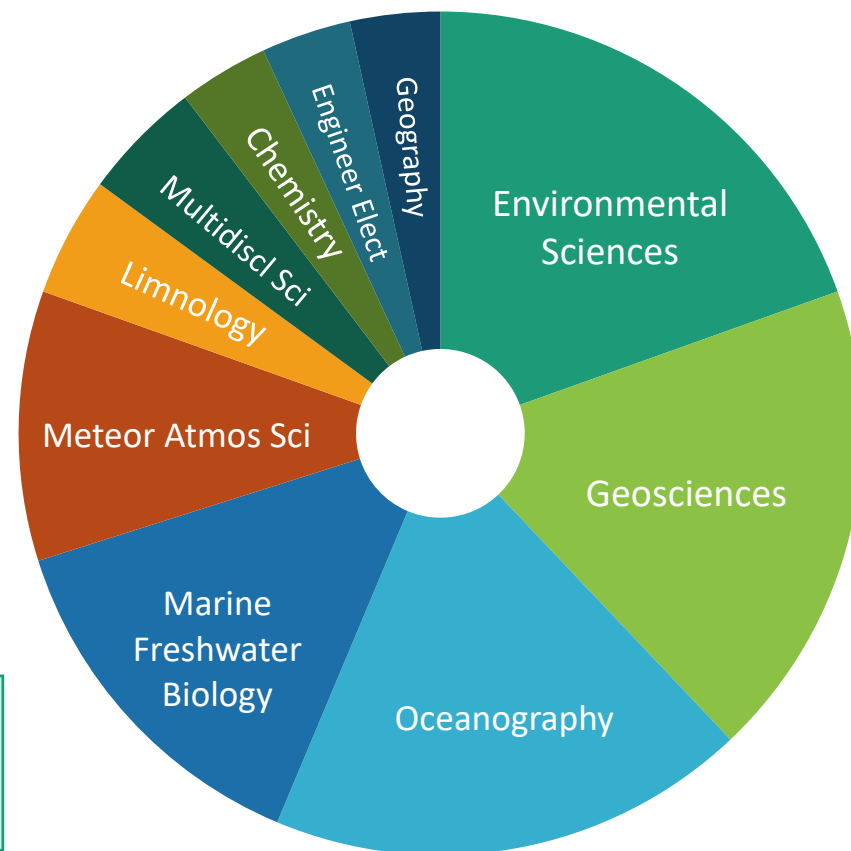
Cited  
**56**  
times

by  
**420**  
authors

at  
**175+**  
institutions

in  
**32**  
countries

This article was cited by articles in 19 Subjects. The top 10 are shown here.



# SNAPSHOT OF STANDOUT OAP ARTICLE

## Impacts of Coastal Acidification on the Pacific Northwest Shellfish Industry and Adaptation Strategies Implemented in Response

Barton, A., et al., 2015. Oceanography, 28 (2), 146-159. DOI: 10.5670/oceanog.2015.38

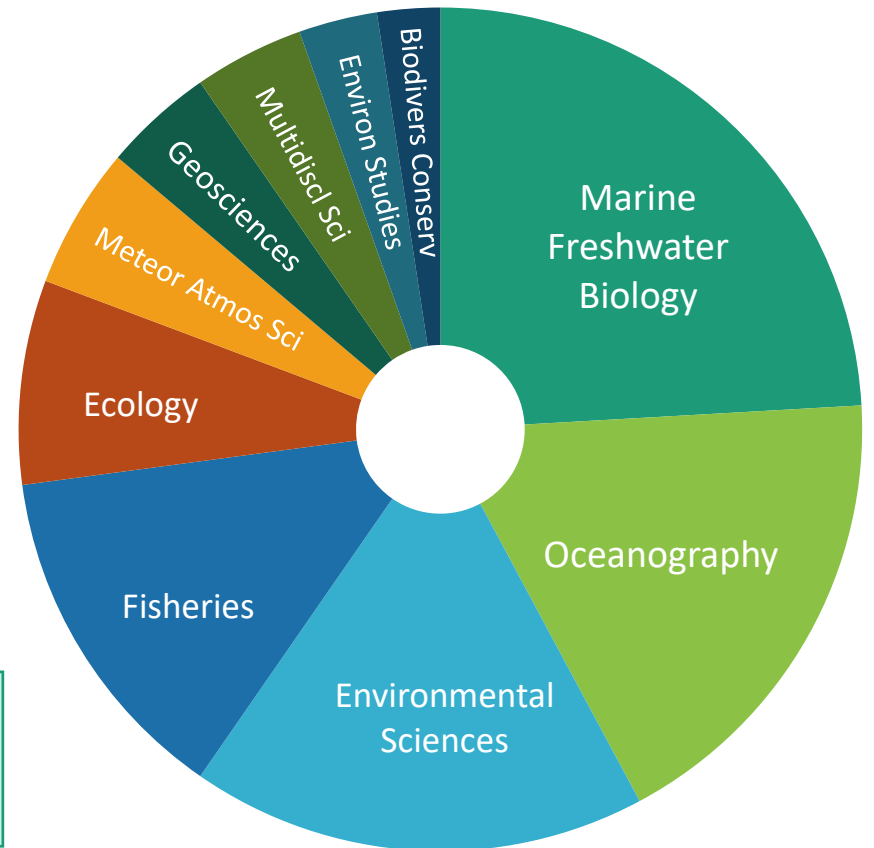
Cited  
**107**  
times

by  
**660**  
authors

at  
**280+**  
institutions

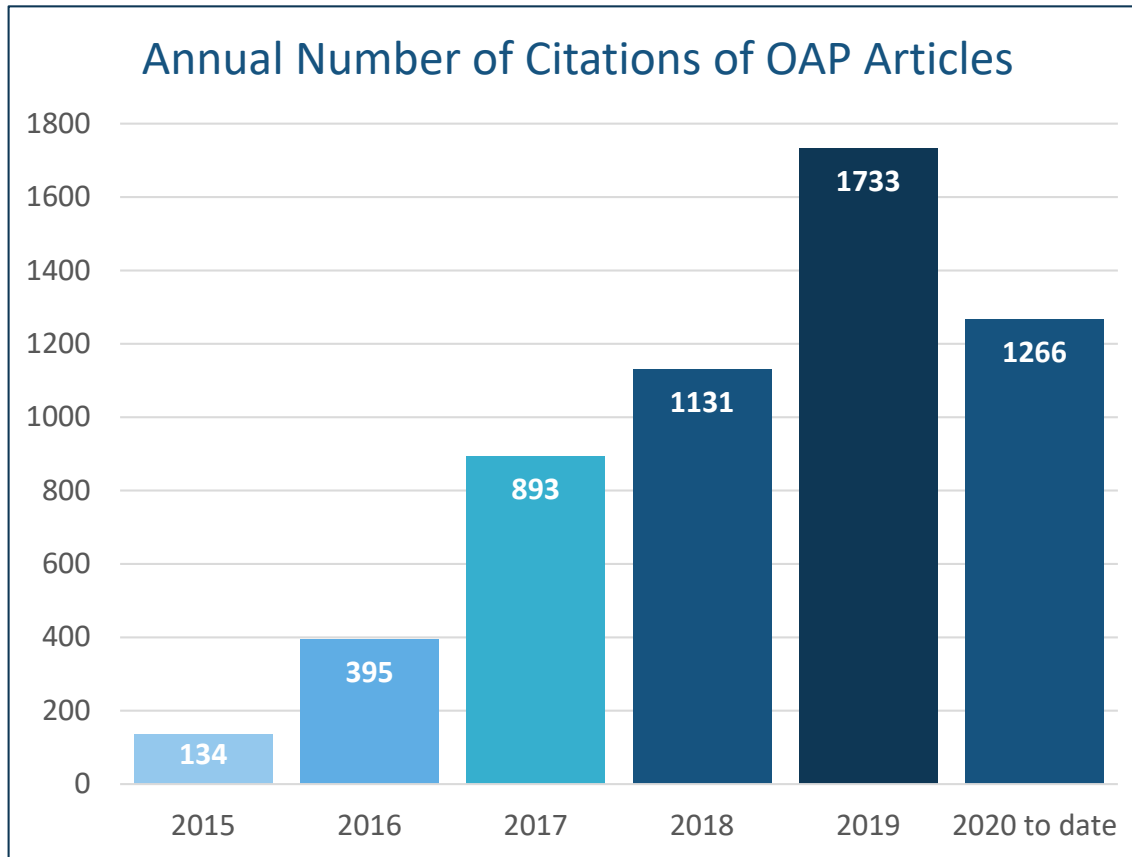
in  
**32**  
countries

This article was cited by articles in 31 Subjects. The top 10 are shown here.

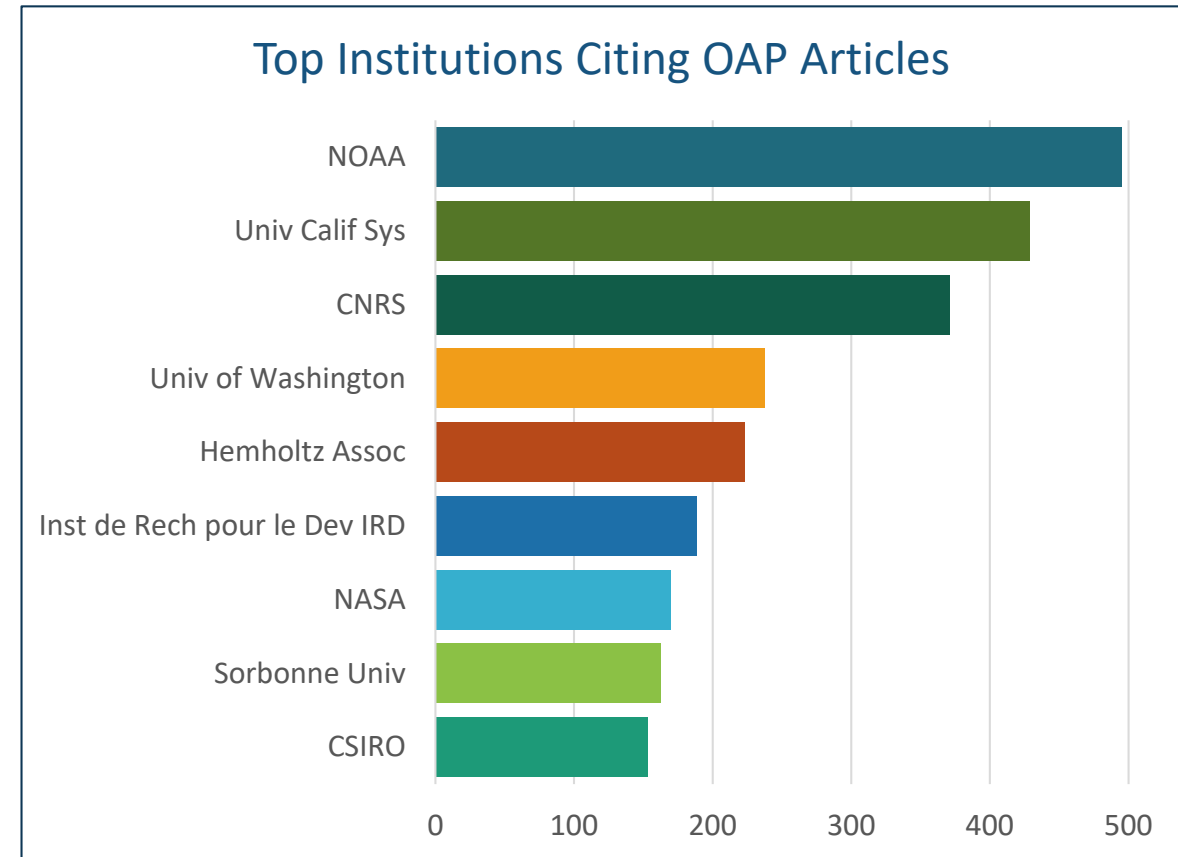


# IMPACT OF OAP ARTICLES: OVERVIEW

**3,796** articles have cited these 217 OAP articles.

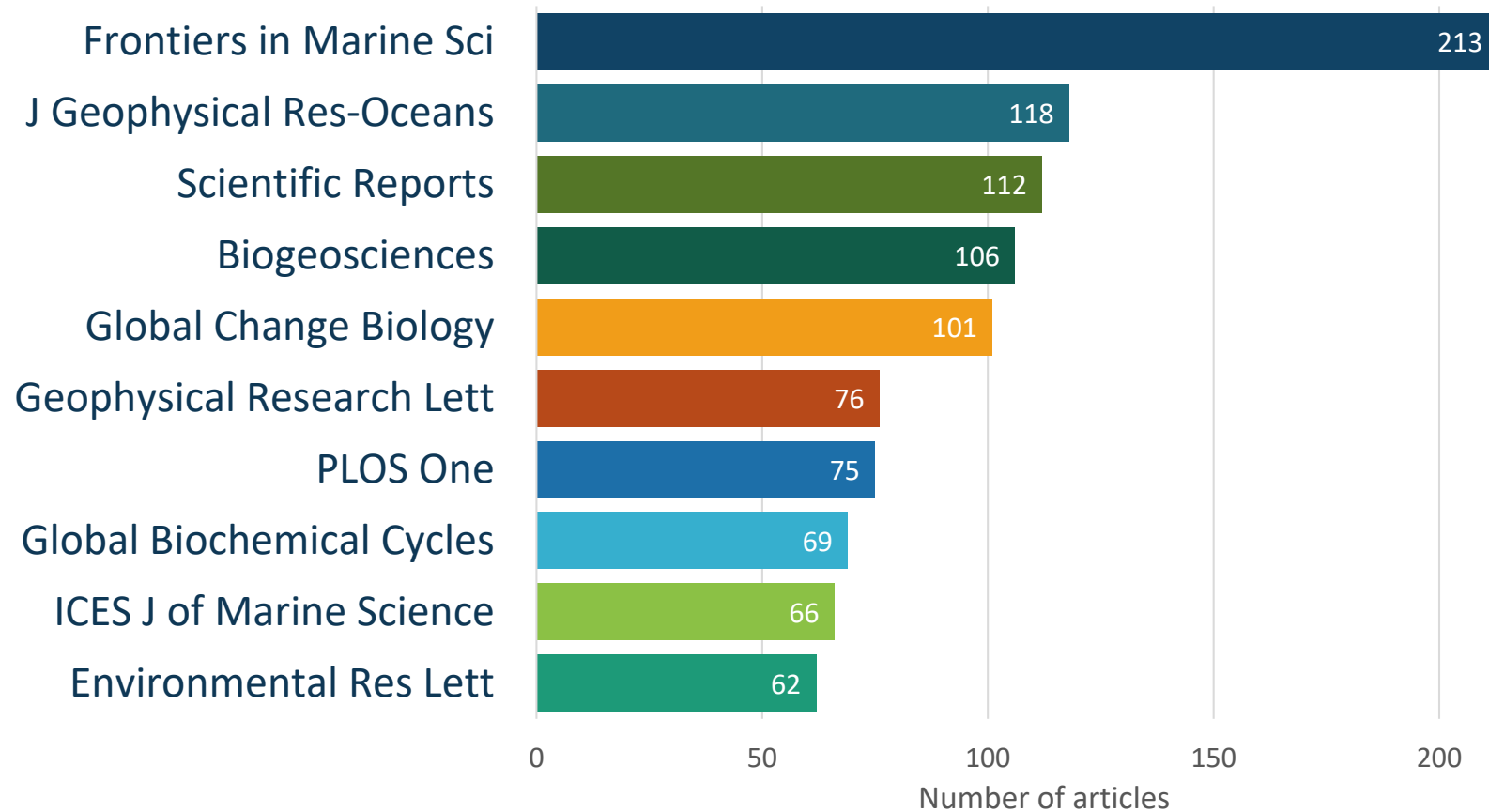


Non-cumulative count of citations received by all FY2015-19 OAP articles per year.



Top ten institutions with affiliated authors who have cited FY2015-19 OAP articles in their articles.

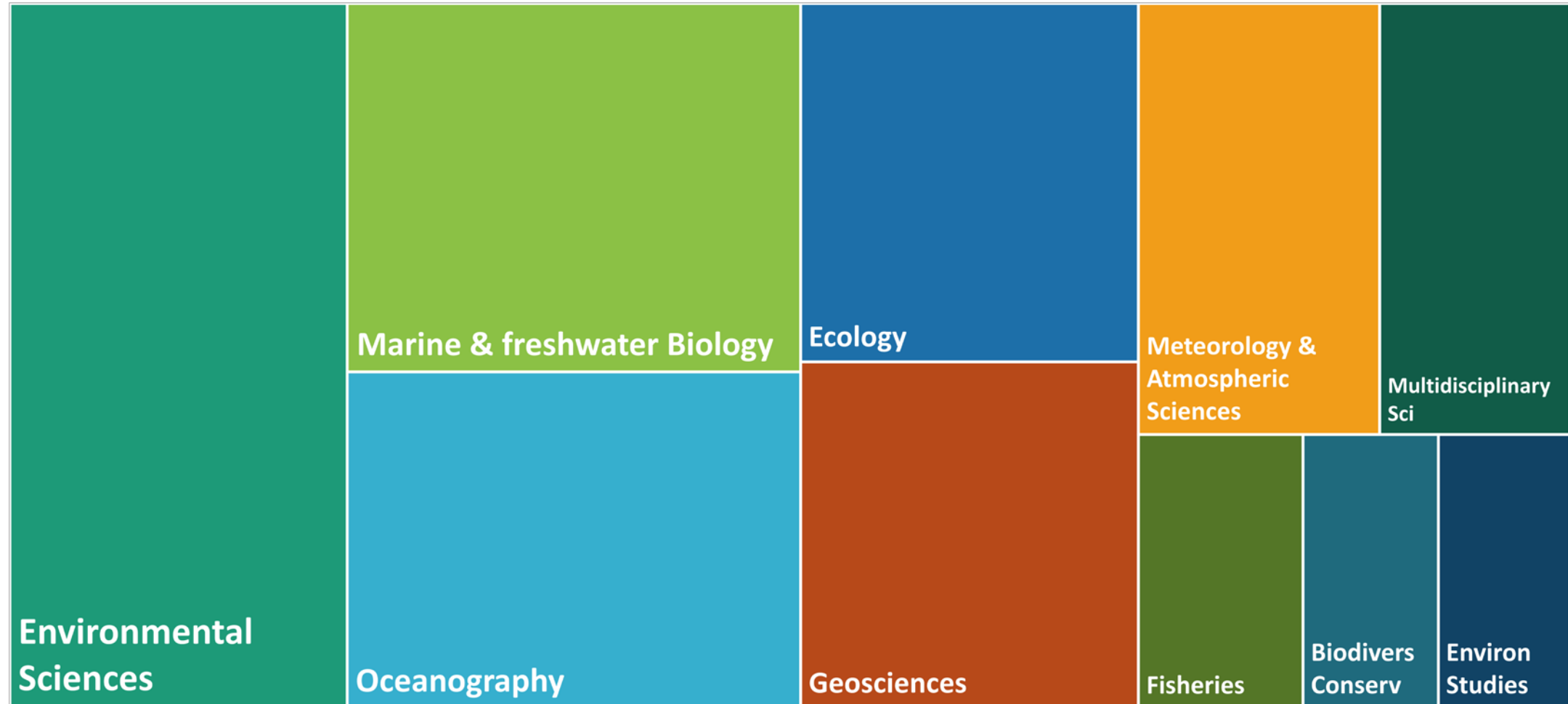
# IMPACT OF OAP ARTICLES: JOURNALS



OAP articles have been cited in articles published in 781 distinct journal titles. The top 10 titles by number of articles are shown here.



# IMPACT OF OAP ARTICLES: SUBJECTS

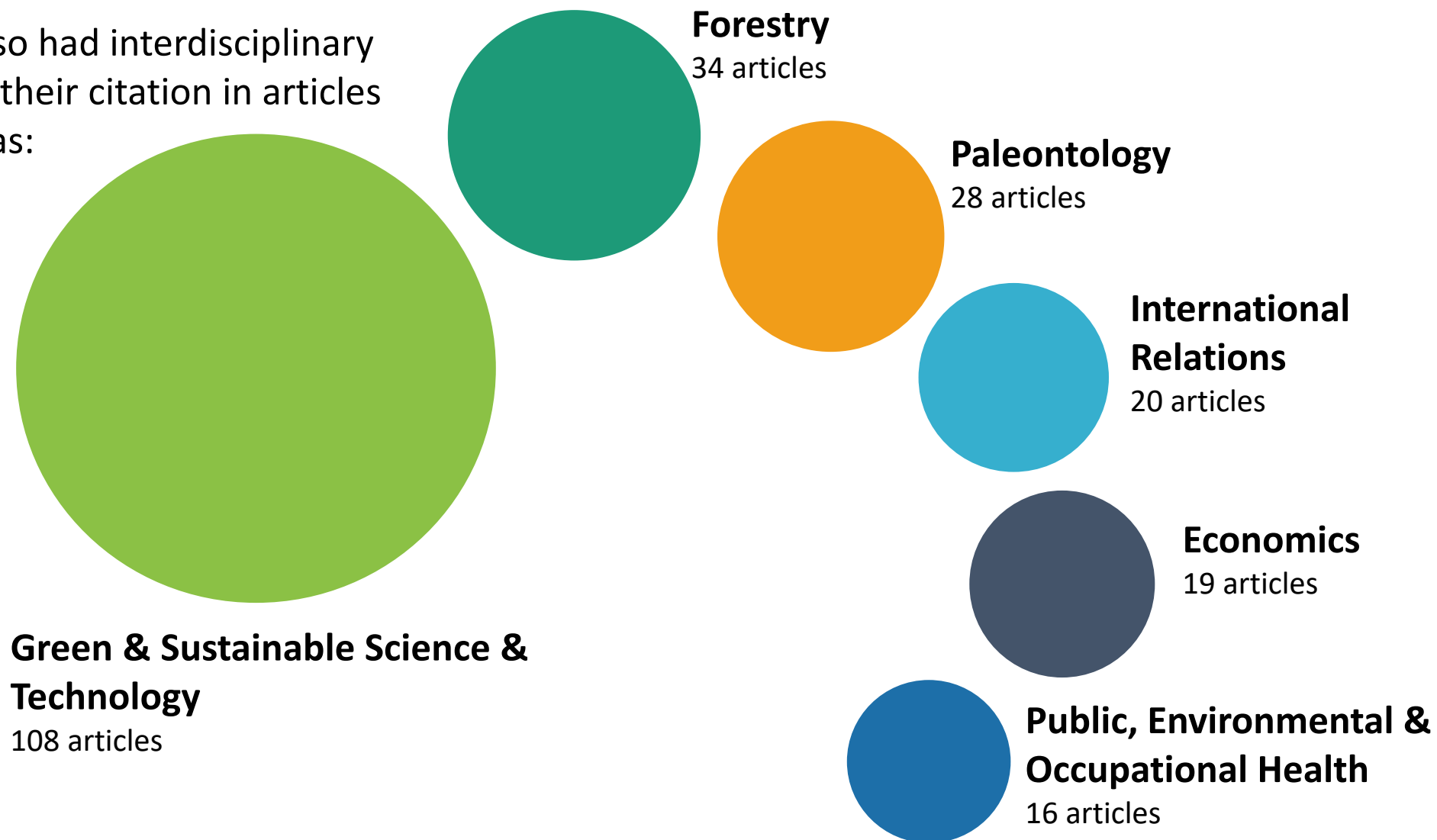


Top ten institutions with affiliated authors who have cited FY2015-19 OAP articles in their articles.

Subject categories are assigned by WOS based on the journal in which they appear and a single article may be assigned multiple subject categories.

# IMPACT OF OAP ARTICLES: INTERDISCIPLINARY IMPACT

OAP articles have also had interdisciplinary impact as shown by their citation in articles in these subject areas:



# IMPACT OF OAP ARTICLES: INTERNATIONAL IMPACT

OAP articles have been cited by authors affiliated with institutions in **139** countries and territories.

Top non-USA citing countries are the United Kingdom, China, Australia, Germany and France.

