

2015 Ocean Drilling Citation Report

Covering Citations Related to the Deep Sea Drilling Project,
Ocean Drilling Program, Integrated Ocean Drilling Program,
and International Ocean Discovery Program
from 1969 through 2014

Produced by
International Ocean Discovery Program
Publication Services

September 2015

Introduction

At the end of each fiscal year, International Ocean Discovery Program (IODP) Publication Services produces the Ocean Drilling Citation Report to provide information on how Deep Sea Drilling Project (DSDP), Ocean Drilling Program (ODP), Integrated Ocean Drilling Program, and IODP research is disseminated into the scientific community through publications. The 2015 Ocean Drilling Citation Report covers citations indexed by the American Geosciences Institute (AGI) in the Ocean Drilling Citation Database as of June 2015.

To illustrate the impact of Program science, the report includes a review of the top peer-reviewed serials publishing Program-related research (Figure 1) and the number of published theses based on Program science (Figure 2).

Citation categories

Data collected for the annual Ocean Drilling Citation Report are divided into two main categories, Program and non-Program:

- **Program** citations include publications produced and published directly by DSDP, ODP, the Integrated Ocean Drilling Program, or IODP. These Program publications include but are not limited to the *Initial Reports of the Deep Sea Drilling Project*, *Proceedings of the Ocean Drilling Program*, *Proceedings of the Integrated Ocean Drilling Program*, *Proceedings of the International Ocean Discovery Program*, and the report and technical note series from each Program.
- **Non-Program** records include publication of scientific research from DSDP, ODP, Integrated Ocean Drilling Program, and IODP in venues other than Program publications.

Non-Program publications are further categorized into three groups, “serials,” “abstracts and meetings,” and “miscellaneous”:

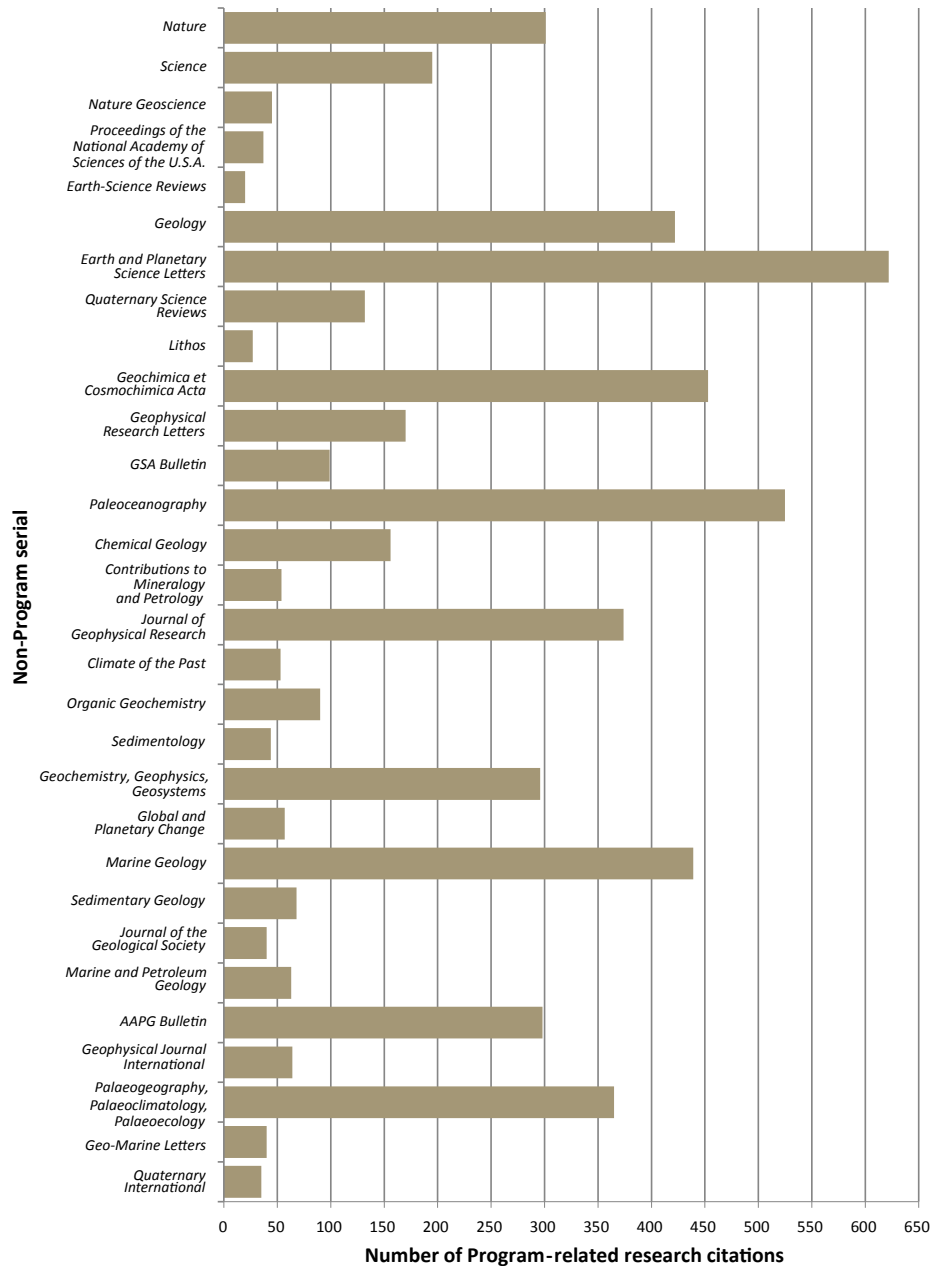
- **Serial** records are drawn from any periodically produced analytic or monographic journal or report, especially those that are peer reviewed, but may also include reports from universities, organizations, or government entities (e.g., *Open-File Reports—U.S. Geological Survey*).
- **Abstracts and meetings** records include books, reports, serial conference proceedings, monographs, maps, and abstracts that are produced as the result of a meeting or conference, including those published in serial publications but not presented at meetings or conferences (e.g., *Abstracts with Programs—Geological Society of America*; *Eos, Transactions of the American Geophysical Union*; etc.).

- **Miscellaneous records** include non-serial maps, videos, books, CD-ROM/DVD-ROM, monographs, and theses.

Overview of the Ocean Drilling Citation Database

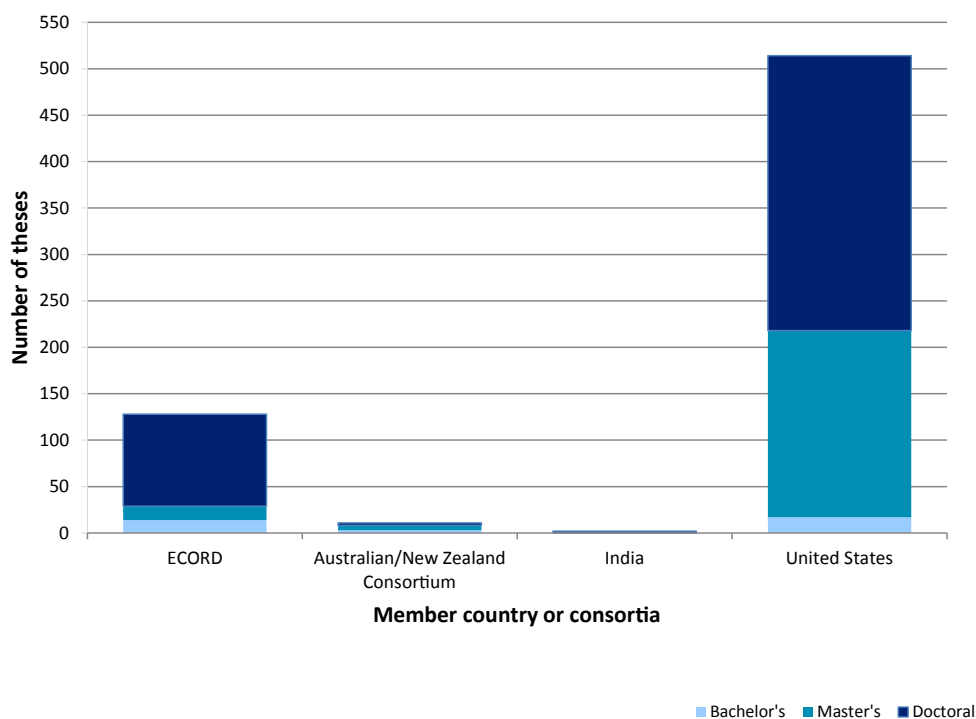
The Ocean Drilling Citation Database is a subset of AGI’s GeoRef database. To generate the GeoRef database, AGI indexes and records citation data from approximately 3,800 domestic and international

Figure 1. Top peer-reviewed serials publishing Program-related research, 1969–2014.



Note: The top peer-reviewed serials are determined from their Eigenfactor Article Influence score (eigenfactor.org). The serials are placed in Article Influence Score order, with the highest-scored serials at the top of the figure.

Figure 2. Number of theses based on Program science, 1969–2014. See Table 1 for consortia member countries.



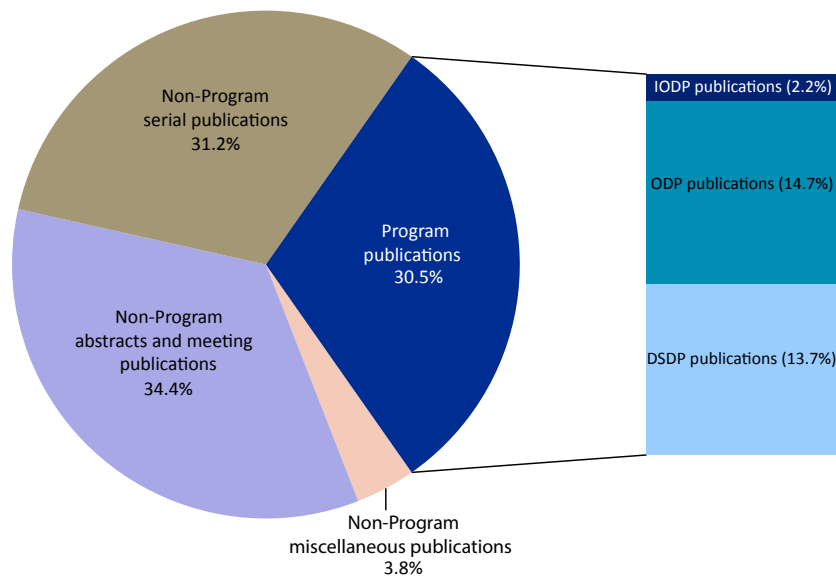
publications. AGI also has arrangements to acquire metadata with many publishers, including Springer, Elsevier, the American Association for the Advancement of Science, Copernicus, Wiley/Blackwell, the American Geophysical Union, and most of the Geoscience World publishers. In addition, IODP Publication Services notifies AGI when Program publications are released.

AGI produces the Ocean Drilling Citation Database in collaboration with IODP. The database is created by using a series of keywords to extract citation records related to Program research from the GeoRef database. The Ocean Drilling Citation Database resides on the AGI server (odp.georef.org/dbtw-wpd/qbeodp.htm) and is updated weekly from the GeoRef database. Citation metadata can be downloaded from the database into common bibliographic software.

The 2015 database update contains 31,200 records containing metadata from citations published from 1969 to 2014, comprising ~31% Program and ~69% non-Program citations. Non-Program publications are approximately evenly distributed between serial publications and abstracts and meetings (Figure 3).

Because scientists may be affiliated with more than one institution or country over time, this report is based on the country affiliation of the author at the time the research was published. Scientists from 100 different countries have contributed to Program publications, and scientists from 100 different countries have authored or contributed to non-Program publications.

Figure 3. 2015 overview of citation records in the Ocean Drilling Citation Database (total = 31,200).



Approximately 18,700 of the non-Program publications (~60% of total publications listed in the database) are first-authored by scientists from IODP member countries (Table 1), and approximately 8,500 of these non-Program research papers have appeared in peer-reviewed serial publications (Table 2).

Since the inception of the Integrated Ocean Drilling Program in 2003, first-authors from IODP member countries and member consortia have published approximately 7,700 papers in non-Program publications (Figure 4).

Depending on the source from which AGI acquires its information, there may be a significant delay after publication before the citation is included in the GeoRef database. There is no guarantee that all publication venues for Program (DSDP, ODP, Integrated Ocean Drilling Program, and IODP) research are included in the database, but scientific publications throughout the world are represented.

Integrated Ocean Drilling Program and IODP expedition reports are published in the *Proceedings* volumes, and postexpedition research is published in two forms: data reports published in the *Proceedings* and scientific research results published in non-Program peer-reviewed journals. Expedition synthesis papers may be published in either venue (Figure 5).

Postexpedition research continues for many years after the initial results are published in the *Proceedings* volume, and subsequent annual citation reports reflect publication of ongoing research from each Integrated Ocean Drilling Program and IODP expedition (Figure 6). Scientific research from DSDP, ODP, and the Integrated Ocean Drilling Program will also continue to be published in non-Program publications in the years to come, and these publications will continue to be included in annual citation reports (Tables 1, 2; Figure 6).

Table 1. Number of DSDP-, ODP-, Integrated Ocean Drilling Program-, and IODP-related contributions to non-Program publications by authors affiliated with IODP member countries, 1969–2014.

Member country or consortia	Publications contributed to	First-authored publications
Australia/New Zealand Consortium	1,051	625
Australia	723	375
New Zealand	328	250
Brazil	58	42
ECORD	11,832	7,250
Austria	65	20
Belgium	151	74
Canada	1,292	781
Denmark	197	79
Finland	39	35
France	1,804	1,096
Germany	2,802	2,072
Ireland	31	14
Israel	44	30
Italy	740	426
Netherlands	530	302
Norway	435	223
Poland	40	17
Portugal	78	26
Sweden	329	165
Switzerland	462	244
United Kingdom	2,793	1,646
India	227	188
Japan	1,544	1098
People’s Republic of China	431	348
Republic of Korea	118	60
United States	10,238	9,067
Totals	25,499	18,678

Note: Totals include citations for which author affiliation data are available. ECORD = European Consortium for Ocean Research Drilling.

Annual citation reports also include the number of Program *Proceedings* and non-Program serial publications representing research undertaken in support of science themes from the 2003–2013 Integrated Ocean Drilling Program Initial Science Plan (Figure 7).

IODP funding agencies, implementing organizations, program management offices, or individual member countries may request customized citation reports that may include combinations of data organized by

- country or consortia;
- Program (DSDP, ODP, Integrated Ocean Drilling Program, or IODP);
- leg, expedition, complex science program, or geographic area;

- publication year; or
- specific serial publication.

To request a customized citation report, contact Citations@iodp.tamu.edu.

Table 2. Number of DSDP-, ODP-, Integrated Ocean Drilling Program-, and IODP-related non-Program publications first-authored by scientists affiliated with IODP member countries, 1969–2014.

Member country or consortia	Serials	Abstracts/ meetings	Miscellaneous	Total
Australian/New Zealand Consortium	296	311	18	625
Australia	165	198	12	375
New Zealand	131	113	6	250
Brazil	18	24	0	42
ECORD	3,482	3,642	126	7,250
Austria	6	13	1	20
Belgium	37	32	5	74
Canada	293	478	10	781
Denmark	43	36	0	79
Finland	8	26	1	35
France	579	501	16	1,096
Germany	839	1,193	40	2,072
Ireland	5	9	0	14
Israel	21	8	1	30
Italy	231	190	5	426
Netherlands	185	112	5	302
Norway	119	100	4	223
Poland	14	3	0	17
Portugal	7	18	1	26
Sweden	90	73	2	165
Switzerland	117	122	5	244
United Kingdom	888	728	30	1,646
India	153	27	8	188
Japan	559	506	33	1,098
People's Republic of China	284	64	0	348
Republic of Korea	34	26	0	60
United States	3,639	5,213	215	9,067
Totals	8,465	9,813	400	18,678

Note: Totals include citations for which author affiliation data are available. ECORD = European Consortium for Ocean Research Drilling.

Figure 4. DSDP-, ODP-, and IODP-related non-Program publications based on first-author affiliation of IODP member countries and consortia, 2003–2014.

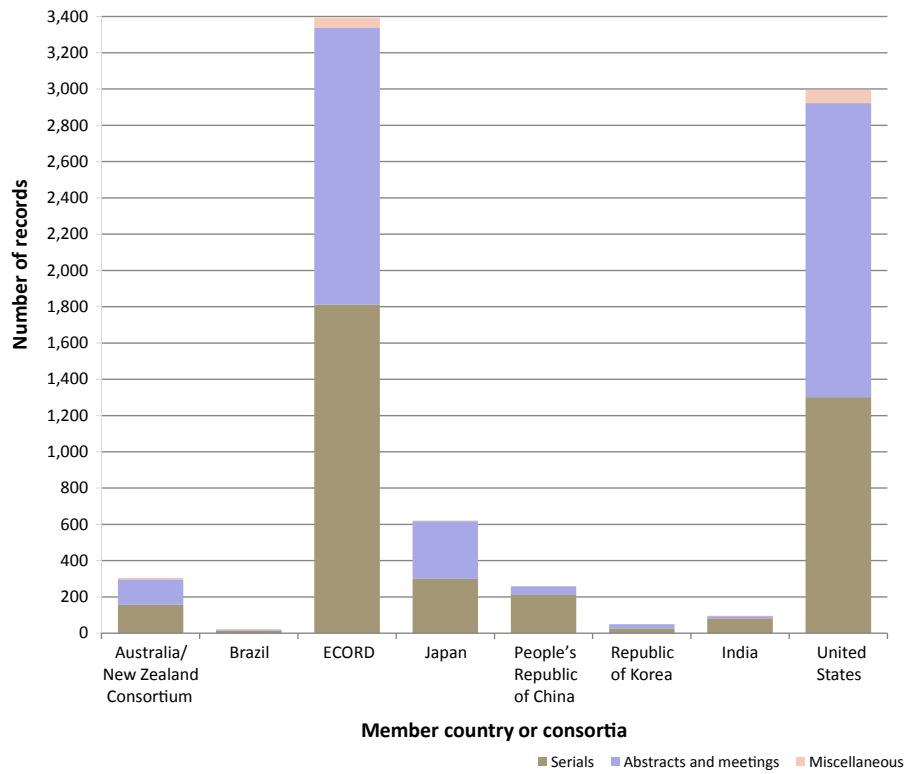


Figure 5. Number of IODP Proceedings and expedition-related non-Program publications.

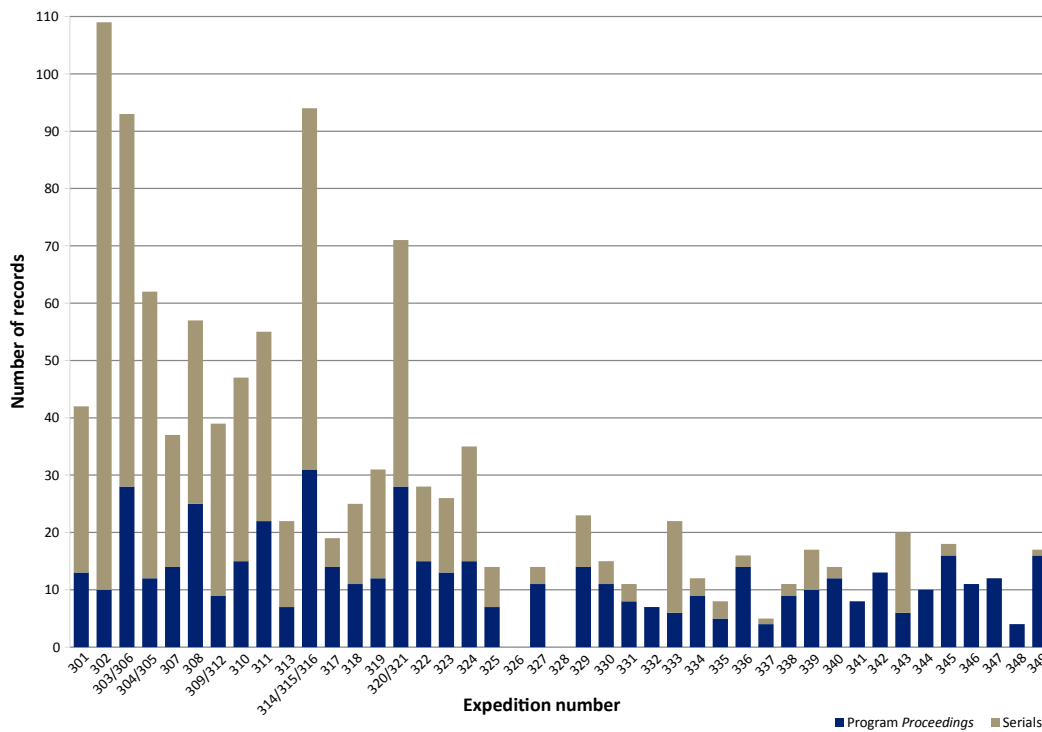


Figure 6. Annual breakdown of Program and non-Program Ocean Drilling Citation Database records, 1969–2014.

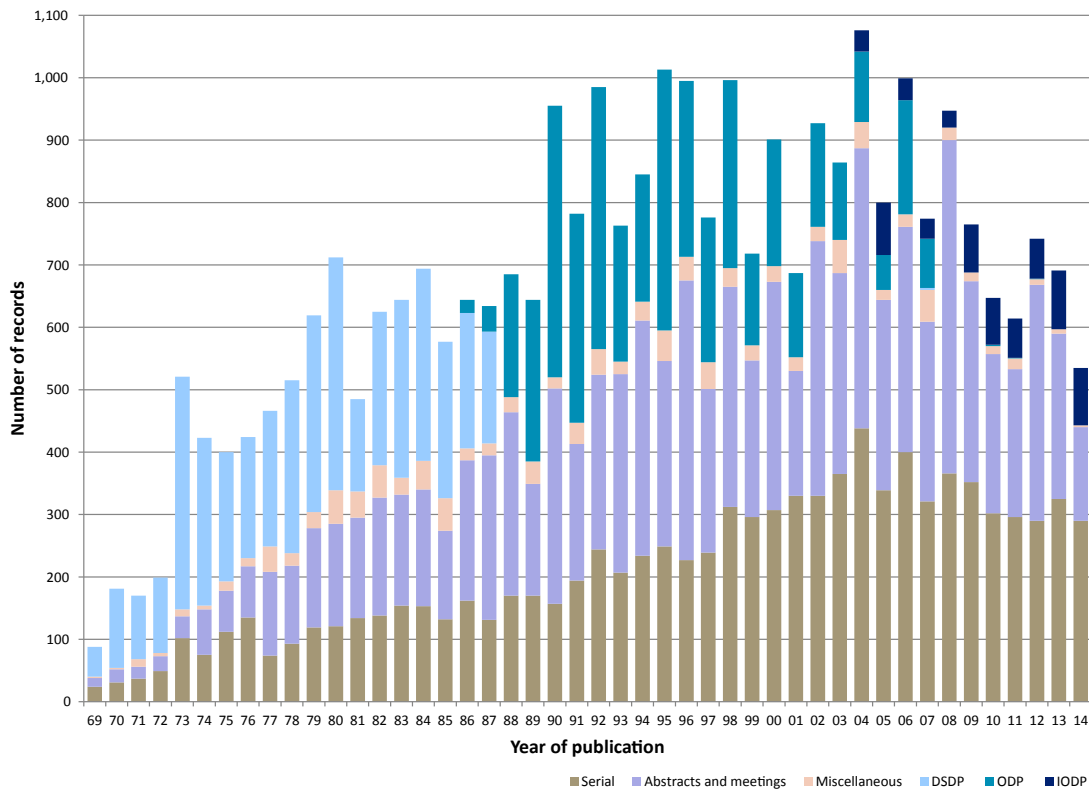


Figure 7. Integrated Ocean Drilling Program Proceedings and non-Program serial citations representing research undertaken in support of the 2003–2013 Integrated Ocean Drilling Program Initial Science Plan themes.

