

INTEGRATED OCEAN DRILLING PROGRAM 2011 OCEAN DRILLING CITATION REPORT

**covering citations related to the
Deep Sea Drilling Project, Ocean Drilling Program,
and Integrated Ocean Drilling Program**

**from
GeoRef citations
indexed by the
American Geological Institute
1969 through 2010**

Produced by

**Integrated Ocean Drilling Program
Publication Services**

September 2011

OVERVIEW OF THE OCEAN DRILLING CITATION DATABASE

The Ocean Drilling Citation Database contains citation records related to the Deep Sea Drilling Project (DSDP), Ocean Drilling Program (ODP), and Integrated Ocean Drilling Program (IODP). This database is produced by the American Geological Institute (AGI) in collaboration with IODP Management International (IODP-MI). In June 2011, when the data for this study were compiled, the Ocean Drilling Citation Database contained 27,453 citation records with publication dates from 1966 through 2010.

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 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, American Geophysical Union, and most of the Geoscience World publishers. In addition, IODP Publication Services notifies AGI when Program publications are released.

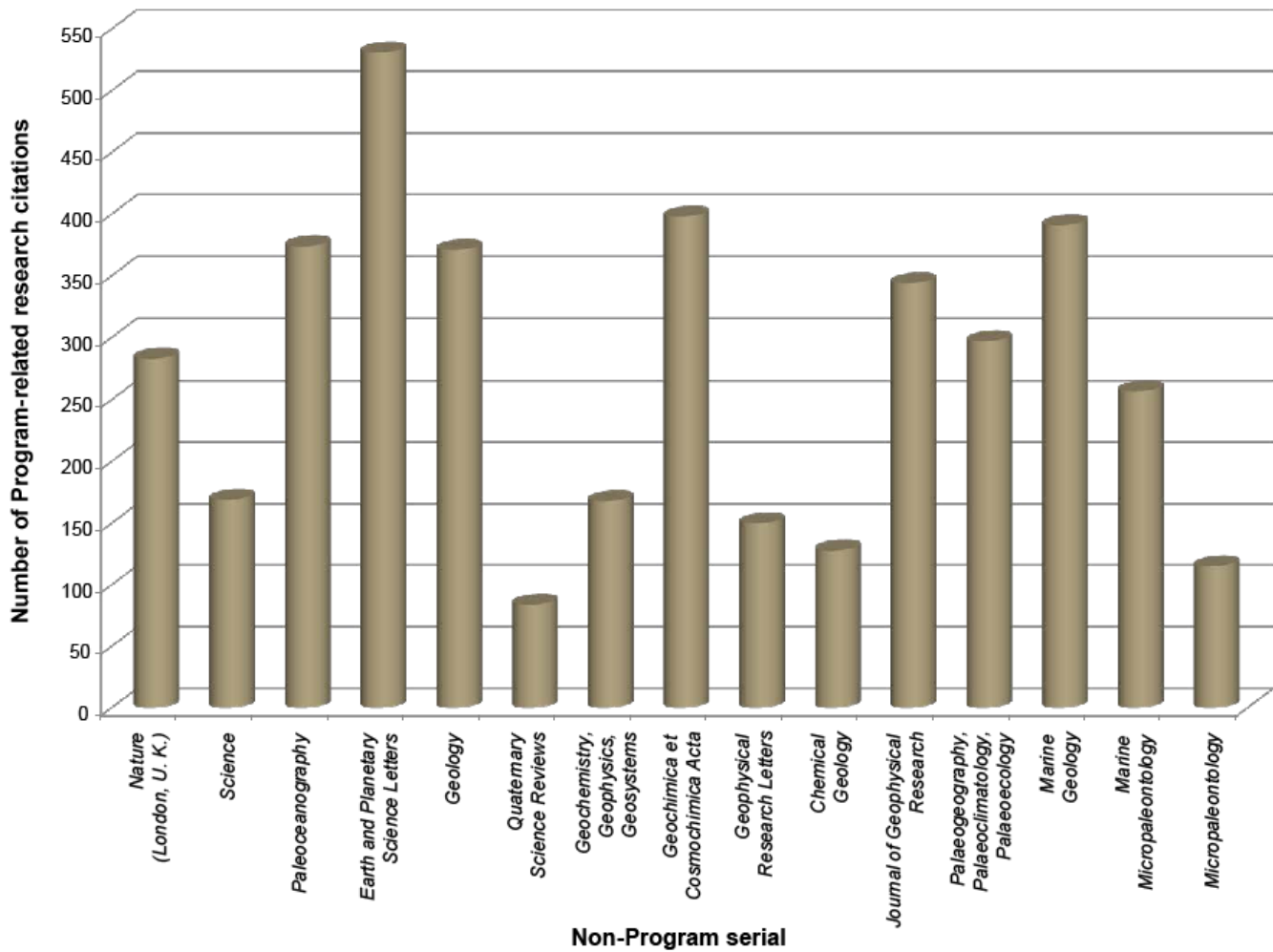
AGI creates the Ocean Drilling Citation Database by using a series of keywords to extract citation records related to DSDP, ODP, and IODP research from the GeoRef database. The Ocean Drilling Citation Database resides on the AGI server (odp.georef.org/dbtw-wpd/qbeodp.htm) and is updated weekly from the GeoRef database. Users can also access the database from the IODP publications Web site (www.iodp.org/scientific-publications/). Citation metadata can be downloaded from the database into common bibliographic software.

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, 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*, and the report and technical note series from each Program.
- **Non-Program** records include publication of scientific research from DSDP, ODP, and IODP in venues other than Program publications.

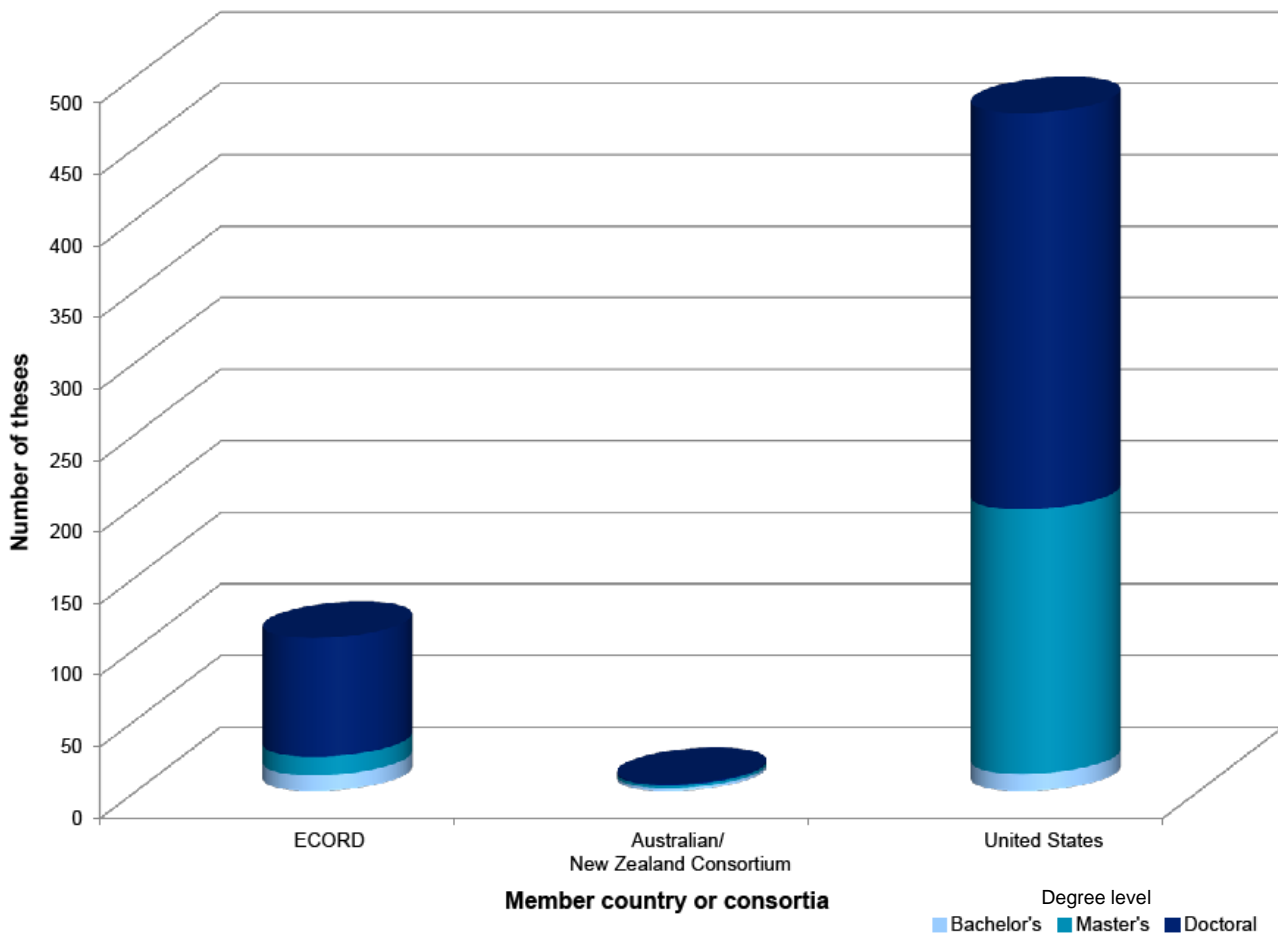
Non-Program publications are further categorized into three groups, “serials,” “abstracts and meetings,” and “miscellaneous:”

- **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*). The non-Program serial publications that have published the largest number of Program-related research are shown in **Figure 1**, listed in order of Eigenfactor Article Influence Score (comparable to ISI Impact Factor) (http://admin-apps.webofknowledge.com/JCR/help/h_eigenfact.htm).

Figure 1. Top 15 non-Program peer-reviewed serials publishing Program-related research, 1969–2010.

- **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. The number of published theses based on DSDP, ODP, or IODP science during the life of the Program are shown in **Figure 2**.

Figure 2. Number of theses based on Program science, 1969–2010.



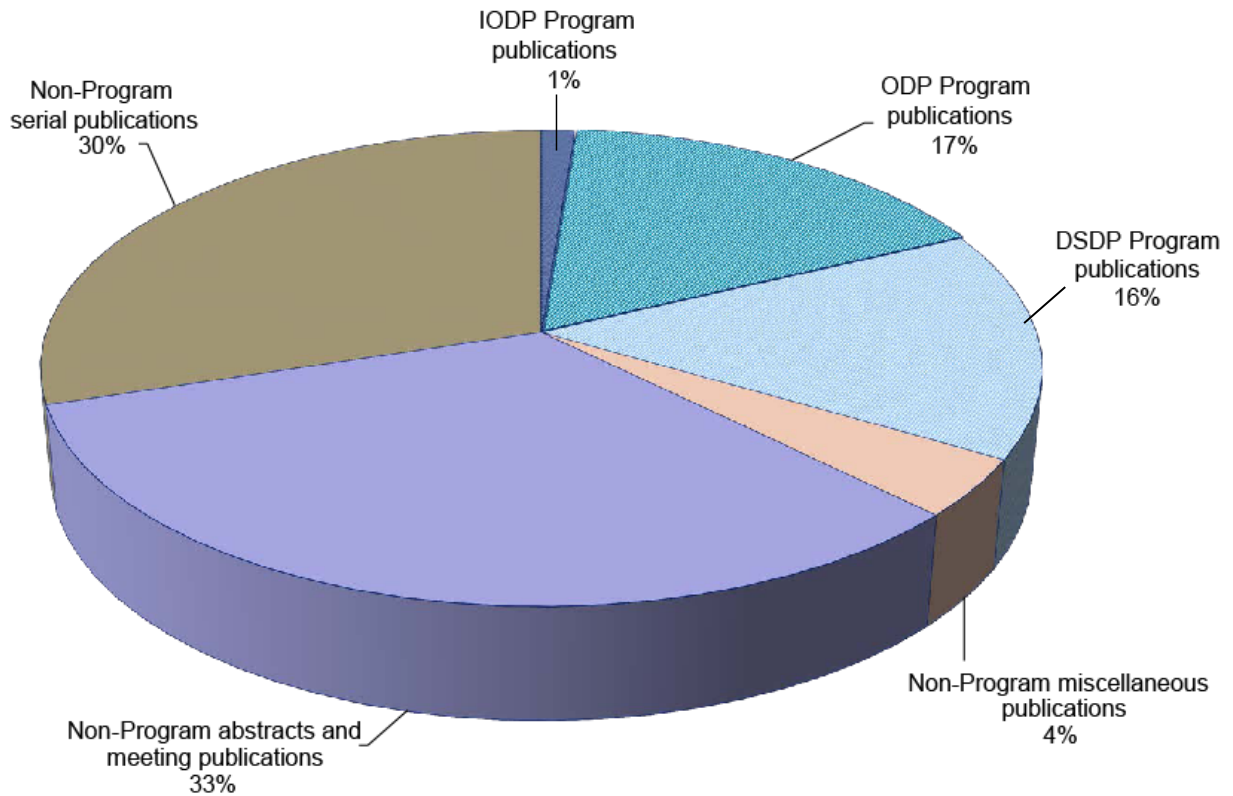
Note: See **Table 1** for consortia member countries.

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, and IODP) research are included in the database, but scientific publications throughout the world are represented.

2011 OCEAN DRILLING CITATION REPORT

A review of the records in the Ocean Drilling Citation Database provides information on how Program-related research is disseminated into the scientific community through publications and therefore can indicate the impact of Program science. IODP Publication Services produces annual studies of the database based on the citations that exist in the AGI database as of June of each calendar year. The report is available online by the end of each fiscal year.

The 2011 database update contains 27,453 records containing metadata from citations published from 1969 to 2010, comprising ~33% Program and ~67% non-Program citations. Non-Program publications are approximately evenly distributed between serial publications and abstracts and meetings (**Figure 3**).

Figure 3. 2011 overview of citation records in the Ocean Drilling Citation Database (total = ~27,500).

Scientists from 100 different countries have contributed to Program publications, and scientists from 99 different countries have authored or contributed to non-Program publications (**Table 1**). 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 of publication of the research.

Scientific research from DSDP and ODP continues to date and will continue to be published in non-Program publications in the years to come. These publications will also be reflected in future annual citation reports (**Tables 1, 2; Figure 4**).

Approximately 15,600 non-Program publications (~57% of total publications listed in the database) are first-authored or contributed to by scientists from IODP member countries (**Table 1**), and approximately 7,100 of these non-Program research papers have appeared in peer-reviewed serial publications (**Table 2**).

Table 1. Number of DSDP-, ODP-, and IODP-related contributions to non-Program publications by authors affiliated with IODP member countries, 1969–2010.

Member country or consortia	Publications contributed to	First-authored publications
Australia/New Zealand Consortium	905	497
Australia	638	322
New Zealand	267	175
ECORD	10,688	5,882
Austria	48	12
Belgium	127	47
Canada	1,178	690
Denmark/Greenland	154	62
Finland	37	26
France	1,617	910
Germany	2,535	1,588
Iceland	15	5
Ireland	27	10
Italy	664	334
Netherlands	453	233
Norway	370	183
Portugal	62	20
Spain	282	134
Sweden	292	145
Switzerland	390	200
United Kingdom	2,437	1,283
India	188	159
Japan	1,299	793
People's Republic of China	364	259
South Korea	68	35
United States	9,750	7,943
Totals	23,262	15,568

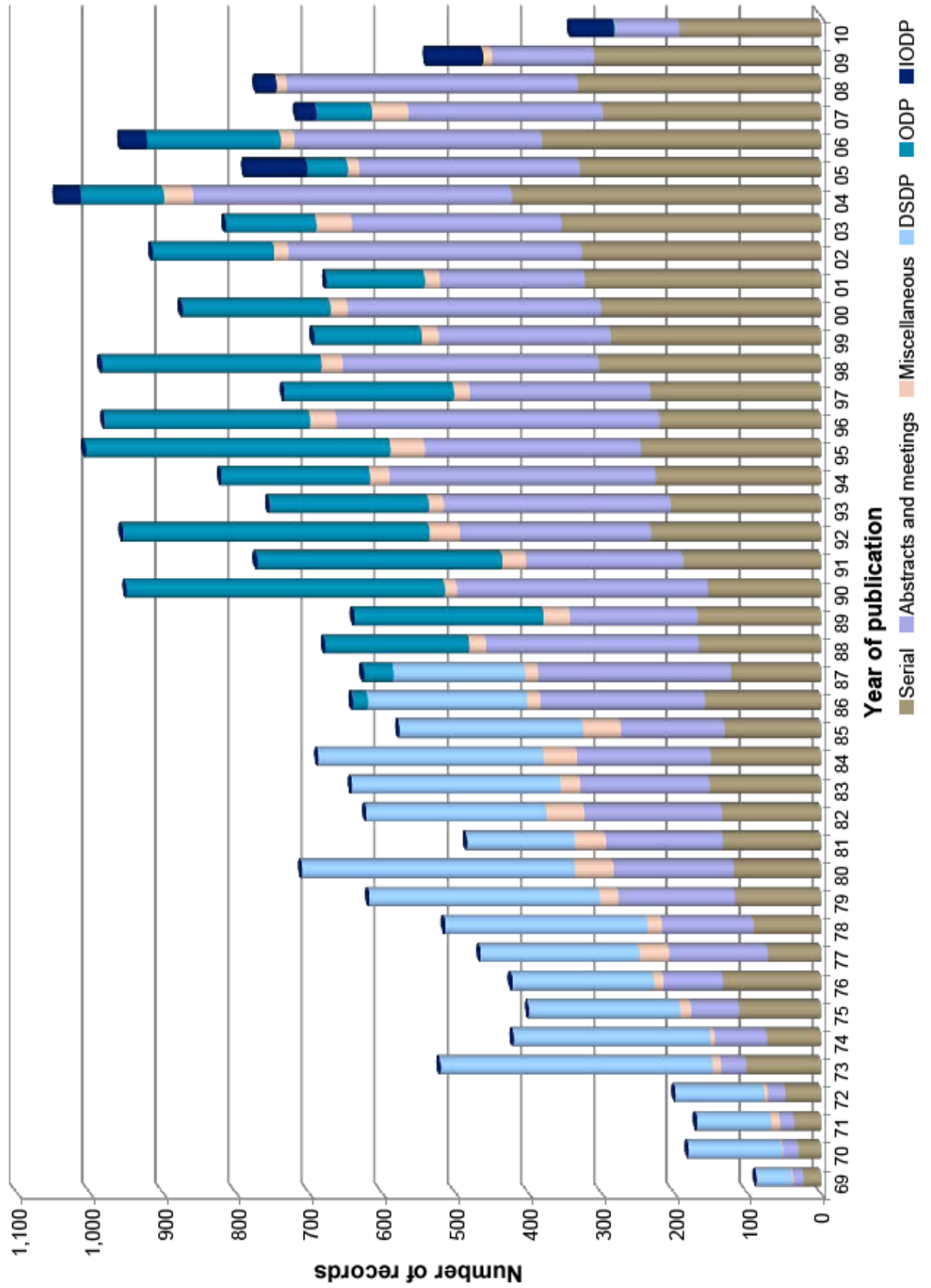
Notes: Totals include citations for which author affiliation data are available. ECORD = European Consortium for Ocean Research Drilling

Table 2. Number of DSDP-, ODP-, and IODP-related non-Program publications first-authored by scientists affiliated with IODP member countries, 1969–2010.

Member country or consortia	Serials	Abstracts/ meetings	Miscellaneous	Total
Australian/New Zealand Consortium	234	250	13	497
Australia	135	177	10	322
New Zealand	99	73	3	175
ECORD	2,773	2,995	114	5,882
Austria	3	8	1	12
Belgium	21	26	0	47
Canada	263	419	8	690
Denmark	36	26	0	62
Finland	4	21	1	26
France	469	418	23	910
Germany	653	899	36	1,588
Iceland	4	1	0	5
Ireland	3	7	0	10
Italy	171	162	1	334
Netherlands	141	89	3	233
Norway	99	81	3	183
Portugal	5	14	1	20
Spain	67	67	0	134
Sweden	79	64	2	145
Switzerland	93	102	5	200
United Kingdom	662	591	30	1,283
India	130	23	6	159
Japan	425	335	33	793
People's Republic of China	222	37	0	259
South Korea	23	12	0	35
United States	3,181	4,537	225	7,943
Totals	6,988	8,189	391	15,568

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

Figure 4. Annual breakdown of Program and non-Program Ocean Drilling Citation Database records, 1969–2010.



Since the inception of IODP in 2003, first-authors from IODP member countries and member consortia have published approximately 4,800 papers in non-Program publications (**Table 3; Figure 5**).

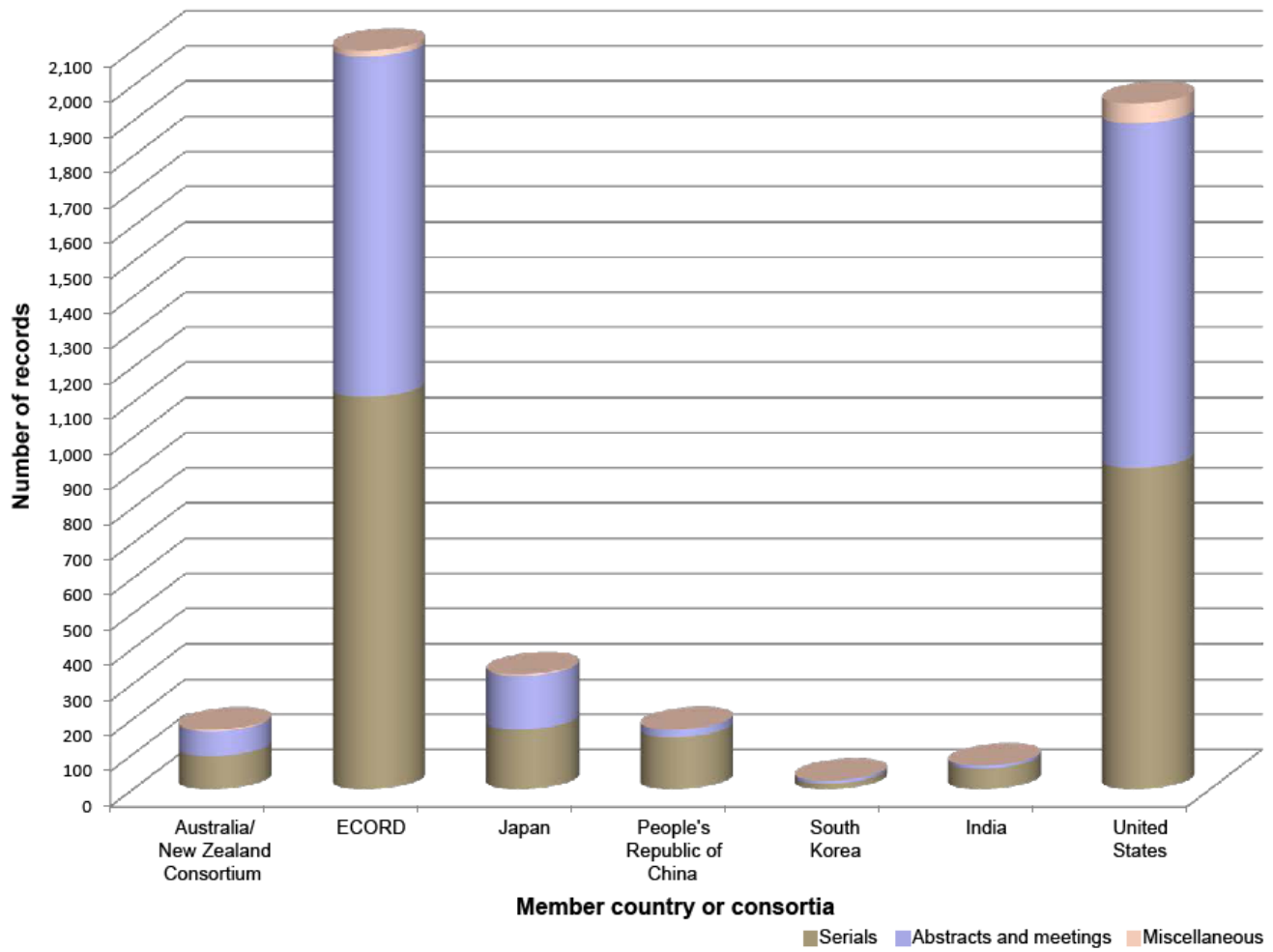
Table 3. Number of DSDP-, ODP-, and IODP-related non-Program publications first-authored by scientists affiliated with IODP member countries since the inception of IODP, 2003–2010.

Member country or consortia	Serials	Abstracts/ meetings	Miscellaneous	Total
Australian/New Zealand Consortium	94	71	4	169
Australia	52	34	4	90
New Zealand	42	37	0	79
ECORD	1,103	958	45	2,106
Austria	1	2	0	3
Belgium	15	13	0	28
Canada	84	73	5	162
Denmark	16	1	0	17
Finland	2	13	1	16
France	141	85	4	230
Germany	294	344	12	650
Iceland	2	1	0	3
Ireland	2	5	0	7
Italy	94	65	0	159
Netherlands	68	44	2	114
Norway	29	29	3	61
Portugal	4	8	0	12
Spain	34	42	0	76
Sweden	22	14	0	36
Switzerland	42	29	2	73
United Kingdom	253	190	16	459
India	59	8	0	67
Japan	170	152	4	326
People's Republic of China	148	22	0	170
South Korea	16	8	0	24
United States	913	980	56	1,949
Totals	2,503	2,199	109	4,811

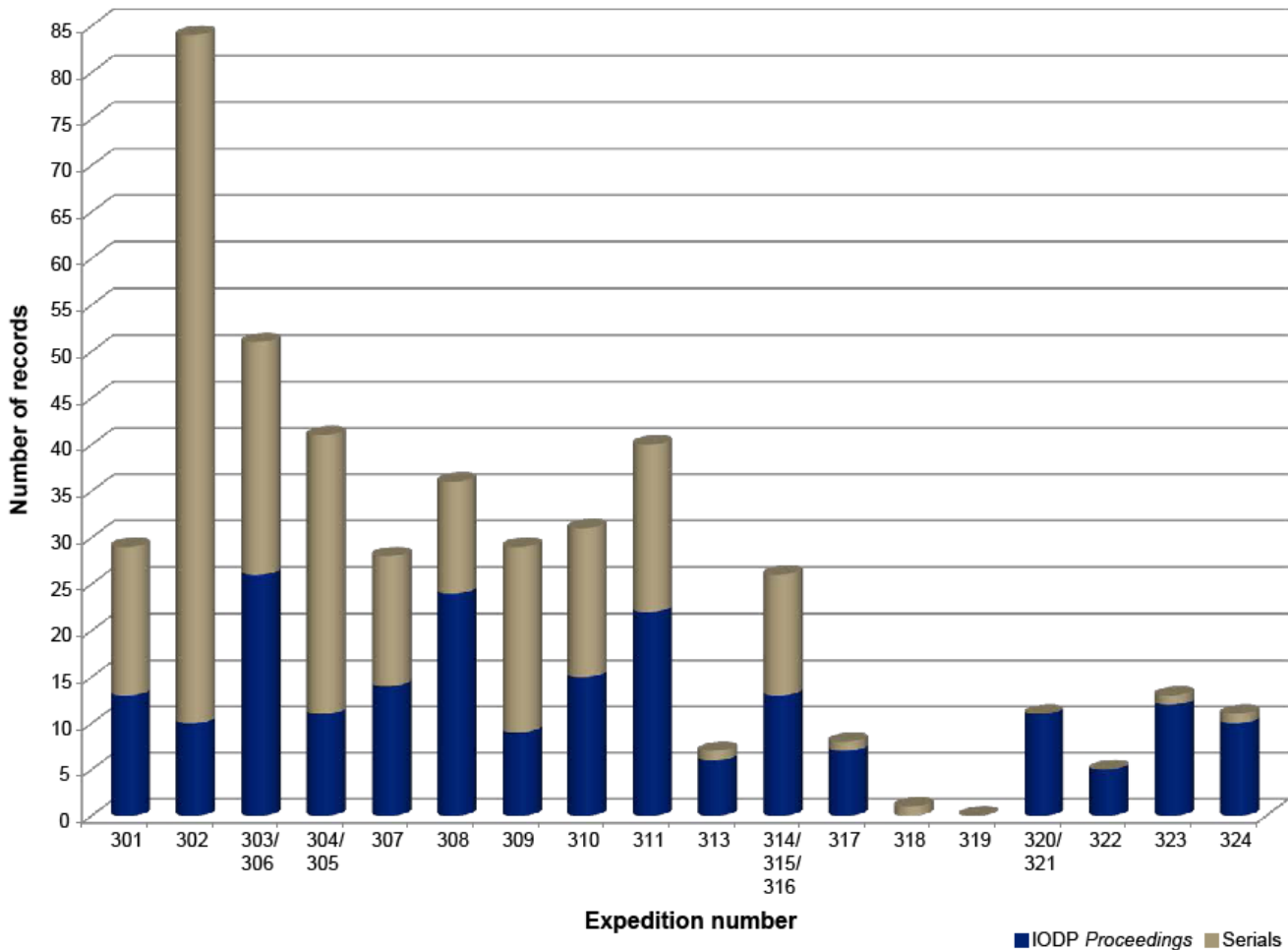
Notes: Totals include citations for which author affiliation data are available. ECORD = European Consortium for Ocean Research Drilling.

IODP expedition reports are published in the *Proceedings of the Integrated Ocean Drilling Program*, 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 can 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 IODP expedition (**Table 3; Figure 6**).

Figure 5. DSDP-, ODP-, and IODP-related non-Program publications based on first-author affiliation of IODP member countries and consortia, 2003–2010.



Note: See **Table 1** for consortia member countries.

Figure 6. Number of IODP *Proceedings* and expedition-related non-Program publications.

Annual citation reports also include the number of Program *Proceedings* and non-Program serial publications representing DSDP, ODP, and IODP research undertaken in areas of continued interest during the life of the Program (**Figure 7**).

IODP funding agencies, implementing organizations, program management offices, or individual member countries may contact CitationStats@iodp.tamu.edu to request customized citation reports, which may include combinations of data organized by

- country or consortia;
- program (DSDP, ODP, or IODP);
- leg, expedition, complex science program, or geographic area;
- publication year; or
- specific serial publication.

Figure 7. IODP *Proceedings* and non-Program serial citations representing research undertaken in areas of continued interest by DSDP, ODP, and IODP, 1969–2010.

