

## GFDL Citations

Shown below are the peer reviewed publications count, two variations of total citation counts, and the H-index values (Hirsch 2005) for the currently publishing GFDL authors. The first column is the number of peer-reviewed publications listed on the GFDL Online Bibliography, which lists all of a scientist's publications while at GFDL. The information in the next three columns is from the Web of Science, which was chosen as the primary measure, because it provides what we view as a more traditional representation of citation counts and H-Index. The last column is the citation count taken from Google Scholar, which includes both peer-reviewed and non-peer-reviewed publications. The sort order for the table is Hirsch Index and then Total Citations, both from Web of Science. Google Scholar was chosen to demonstrate the broader impact and magnitude of the body of works for GFDL authors due to its more complete coverage of international journals and conference proceedings (Meho and Yang 2007). You will find some differentiation between the publication counts for the GFDL Online Bibliography and the Web of Science database. These differences arise for a variety of factors including the following: the NOAA subscription to the Web of Science only includes peer-reviewed papers from 1984 to present day while the GFDL Online Bibliography contains both peer-reviewed and non-peer-reviewed papers from 1965 to the present day; some journals in which GFDL authors publish are not among the Web of Science collection; and some papers weren't published while the author was at GFDL.

### Web of Science and Selected Google Scholar Results (1984-2018):

Author	GFDL Bibliography	Web of Science			Google Scholar
	Peer Reviewed Publication Count	Peer Reviewed Publication Count	Total Citations	Hirsch Index	Total Citations
Sarmiento	215	215	27394	78	44406
Held	195	179	22402	68	37265
Horowitz	169	185	16119	65	23611
Delworth	154	144	15526	60	24263
Vecchi (CIMES)	191	218	14823	58	24200
Ramaswamy	173	158	10287	51	64371
Griffies	140	127	9908	47	16207
Dunne	141	130	9584	45	13481
Wittenberg	109	110	10123	45	14928
Ginoux	90	85	12782	43	19476
Knutson	106	78	10641	43	19670
Milly (USGS)	74	79	11127	42	18946
Toggweiler	84	79	7607	41	12247
Fan	46	79	9383	40	14323
Rosati	122	93	6624	39	*
Zhao, Ming	98	96	4337	36	6516
Donner	97	82	6769	35	8762
Zhang, Rong	65	64	6100	35	8397
Naik	70	75	6421	34	9818
Winton	59	53	5165	33	9363

Author	GFDL Bibliography	Web of Science			Google Scholar
	Peer Reviewed Publication Count	Peer Reviewed Publication Count	Total Citations	Hirsch Index	Total Citations
Hallberg	75	69	4691	33	6613
Dixon	56	49	6103	32	10689
Zeng	63	63	4459	31	6596
Lin, Shian-Jiann	83	72	7336	30	*
Schwarzkopf	55	39	5318	30	7417
Stern	61	41	5311	30	9350
Ming	82	68	3551	30	4481
Fueglistaler (CIMES)	23	62	2541	29	3720
Shevliakova	63	59	6462	28	8967
John	48	47	6837	27	9694
Legg (CIMES)	42	58	2027	27	3002
Malyshev	53	59	7309	26	9458
Adcroft (CIMES)	38	53	5109	26	8267
Lanzante	45	51	3645	26	7365
Paulot	24	44	2684	26	3357
Murakami	48	70	2367	25	2844
Stock	73	71	1762	25	2412
Findell	39	41	3277	23	4747
Nath	34	28	3873	22	*
Balaji (CIMES)	51	42	3349	21	4959
Lin, Meiyun (CIMES)	33	40	1439	21	1864
Harrison	34	26	3711	19	5513
Anderson	26	28	1442	19	1841
Sergienko (CIMES)	31	42	899	19	*
Saba	53	48	1361	18	2080
Yang (UCAR)	52	62	1029	18	1477
Cooke (UCAR)	14	21	4219	17	5763
Garner	31	38	2657	17	3411
Johnson (CIMES)	17	28	1660	17	2328
Dunne, Krista (USGS)	20	20	4990	17	7528
Bender (CIMES)	50	29	2404	15	*
Kapnick	27	31	833	15	1159
Ploshay	32	21	1914	14	2485
Seman	28	21	1544	14	1976
Jia (UCAR)	27	33	611	14	863
Krasting	20	19	1206	13	1616
Chen (UCAR)	21	26	568	13	818
Lin, Pu (CIMES)	12	24	473	13	641
Pascale (CIMES)	7	21	383	12	542
Hurlin	15	16	1926	12	2575
Zadeh (SAIC)	6	19	1605	12	2367

Author	GFDL Bibliography	Web of Science			Google Scholar
	Peer Reviewed Publication Count	Peer Reviewed Publication Count	Total Citations	Hirsch Index	Total Citations
Zhang, Liping (UCAR)	14	32	941	12	1269
Marchok	16	22	628	12	1169
Guo	15	21	529	12	692
Paynter	25	22	456	12	625
Freidenreich	18	16	1553	11	1772
Harris	29	29	419	11	584
Xiang (UCAR)	22	18	845	10	1548
Tong (SAIC)	3	15	629	9	1094
Zhou (CIMES)	8	8	264	7	421
Bushuk (UCAR)	12	11	119	7	170
Benson	6	6	466	6	709
Sentman	8	9	1434	6	1805
Jeevanjee (CIMES)	9	14	160	6	262
Dong (UCAR)	3	11	99	5	238
Reichl	5	7	66	4	88
Luo	1	6	64	4	120
Radhakrishnan (SAIC)	5	4	74	3	108
Drenkard	1	3	52	2	136

\*Current data not available

#### Notes:

Google Scholar citation count is skewed due to at least two known issues with Google Scholar. First, publications of authors with similar names at other institutions are included. Second, the "Cited by" count includes citations to several related articles in Scholar that may be different from the article in the author's profile. Google Scholar citations can account for contributions to major scientific assessments such as the Intergovernmental Panel on Climate Change.

The Hirsch Index is one measure of the scientific impact of peer-reviewed publications that an individual scientist has authored or co-authored. The Index is equal to the maximum number of publications, H, that have at least H citations from other peer-reviewed publications.

Hirsch, J. E., 2005: An index to quantify an individual's scientific research output. *Proceedings of the National Academy of Sciences*, 102, 16,569-16,572, doi:10.1073/pnas.0507655102.

Meho, L. I., and K. Yang, 2007: Impact of data sources on citation counts and rankings of LIS faculty: Web of Science vs. Scopus and Google Scholar. *Journal of the American Society for Information Science and Technology*, 58, 2,105-2,125, doi:10.1002/asi.20677.

Footnote 1: This list includes all Federal and long-term non-Federal GFDL scientists. All personnel shown without a CIMES, UCAR, SAIC, or USGS affiliation after their name are NOAA Federal employees.

Footnote 2: List is sorted by H-Index, followed by WoS total citations.

Footnote 3: The GFDL bibliography only contains publications that were done while at GFDL. Because of this, the publication count for some personnel may vary between the GFDL Bibliography and Web of Science.

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