

Appendix table 5-40

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Coauthorship of U.S. S&E articles, by field and sector: 2001

Field and sector	Articles Number	All coauthored articles	Percent	
			U.S. coauthored articles	Internationally coauthored articles
All fields				
All sectors	228,051	62.2	39.0	23.2
Academic	187,742	65.0	42.7	22.3
Industry.....	24,560	74.4	51.6	22.9
Federal Government	25,771	79.5	57.2	22.3
Nonprofit institutions	28,608	81.0	60.4	20.6
FFRDCs	9,974	78.3	41.6	36.7
State/local government.....	3,971	83.5	71.5	11.9
Clinical medicine				
All sectors	71,006	70.3	50.1	20.2
Academic	57,266	74.0	54.9	19.1
Industry.....	7,669	83.5	57.9	25.6
Federal Government	9,581	86.0	65.1	20.9
Nonprofit institutions	16,807	81.7	64.1	17.6
FFRDCs	417	87.8	58.3	29.5
State/local government	2,003	87.6	76.1	11.5
Biomedical research				
All sectors	39,009	67.4	42.3	25.1
Academic	32,731	70.4	46.5	24.0
Industry.....	3,427	73.3	48.1	25.2
Federal Government	4,606	79.0	52.2	26.8
Nonprofit institutions	5,508	83.4	57.1	26.3
FFRDCs	912	84.6	55.7	28.9
State/local government	504	83.9	61.7	22.2
Biology				
All sectors	14,052	57.7	36.0	21.7
Academic	11,629	61.0	39.8	21.3
Industry.....	869	78.4	58.3	20.0
Federal Government	2,719	70.6	52.3	18.3
Nonprofit institutions	959	74.1	45.8	28.4
FFRDCs	117	76.9	52.1	24.8
State/local government	515	78.1	69.5	8.5
Chemistry				
All sectors	16,147	48.8	27.3	21.5
Academic	13,098	50.4	29.1	21.3
Industry.....	2,438	58.9	39.0	19.9
Federal Government	1,015	67.3	48.0	19.3
Nonprofit institutions	453	79.0	62.3	16.8
FFRDCs	1,137	72.9	48.1	24.8
State/local government	44	75.0	59.1	15.9
Physics				
All sectors	21,801	65.3	27.2	38.0
Academic	17,407	69.1	30.7	38.4
Industry.....	2,982	71.4	44.6	26.8
Federal Government	1,691	76.2	47.7	28.6
Nonprofit institutions	330	86.1	48.5	37.6
FFRDCs	4,037	79.0	34.4	44.7
State/local government	11	72.7	63.6	9.1
Earth/space sciences				
All sectors	13,927	69.8	33.0	36.7
Academic	10,755	73.2	37.4	35.9
Industry.....	1,304	82.4	55.4	27.0
Federal Government	2,812	83.2	50.8	32.4
Nonprofit institutions	1,332	87.2	40.8	46.3
FFRDCs	1,708	82.8	41.0	41.8
State/local government	290	74.1	60.7	13.4

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Coauthorship of U.S. S&E articles, by field and sector: 2001

Field and sector	Articles	All	U.S.	Internationally
		coauthored articles	coauthored articles	coauthored articles
	Number		Percent	
Engineering/technology				
All sectors	15,943	56.5	31.6	24.9
Academic	11,937	60.6	36.1	24.5
Industry	4,126	70.5	51.0	19.5
Federal Government	1,466	73.3	56.8	16.4
Nonprofit institutions	309	72.8	51.1	21.7
FFRDCs	1,532	69.4	41.8	27.6
State/local government	48	75.0	64.6	10.4
Mathematics				
All sectors	4,459	55.8	20.5	35.2
Academic	4,269	56.3	20.9	35.3
Industry	227	79.3	52.4	26.9
Federal Government	79	72.2	53.2	19.0
Nonprofit institutions	92	81.5	56.5	25.0
FFRDCs	56	75.0	53.6	21.4
State/local government	2	100.0	100.0	0.0
Psychology				
All sectors	8,270	50.8	39.4	11.4
Academic	7,727	52.4	41.1	11.3
Industry	303	72.9	65.0	7.9
Federal Government	431	84.0	72.4	11.6
Nonprofit institutions	662	75.1	65.3	9.8
FFRDCs	1	100.0	100.0	0.0
State/local government	154	85.7	70.1	15.6
Social sciences				
All sectors	9,988	37.8	25.8	12.0
Academic	9,119	38.8	27.3	11.5
Industry	249	64.7	53.4	11.2
Federal Government	469	55.7	46.7	9.0
Nonprofit institutions	828	68.7	49.8	19.0
FFRDCs	46	69.6	50.0	19.6
State/local government	66	77.3	72.7	4.5
Health sciences/professional fields				
All sectors	13,449	46.3	37.8	8.5
Academic	11,804	49.1	40.6	8.5
Industry	966	60.1	53.6	6.5
Federal Government	902	68.7	60.6	8.1
Nonprofit institutions	1,328	72.9	65.8	7.1
FFRDCs	11	81.8	63.6	18.2
State/local government	334	77.5	74.9	2.7

FFRDC federally funded research and development center

NOTES: Coauthorship is based on author's institutional address. Article volume is on a whole-count basis, where each institutional author is credited with a whole count.

SOURCES: Institute for Scientific Information, Science Citation Index and Social Sciences Citation Index; CHI Research, Inc.; and National Science Foundation, Division of Science Resources Statistics, special tabulations.