Table 8-32
Academic article output per 1,000 S&E doctorate holders in academia, by state: 1997, 2001, and 2003

State	Academic article output			S&E doctorate holders in academia			Academic articles/ 1,000 academic doctorate holders		
	1997	2001	2003	1997	2001	2003	1997	2001	2003
United States	144,441	147,582	156,373	231,690	244,390	250,020	623	604	625
Alabama	1,911	1,896	1,903	4,460	2,940	3,160	428	645	602
Alaska	163	186	196	450	530	600	362	351	327
Arizona	2,256	2,199	2,251	2,850	3,100	2,910	792	709	774
Arkansas	603	608	704	1,450	1,570	1,740	416	387	405
California	17,525	18,147	19,533	24,000	24,220	25,790	730	749	757
Colorado	2,524	2,630	2,736	4,250	4,780	5,030	594	550	544
Connecticut	2,820	2,767	2,897	3,750	4,090	4,310	752	677	672
Delaware	499	560	611	690	760	660	723	737	926
District of Columbia	1,224	1,213	1,225	1,830	2,440	1,380	669	497	888
Florida	4,186	4,256	4,831	6,440	7,510	7,560	650	567	639
Georgia	3,255	3,576	3,851	5,450	6,230	6,500	597	574	592
Hawaii	574	538	606	1,200	1,490	1,640	478	361	370
Idaho	295	309	320	780	910	1,170	378	340	274
Illinois	6,893	7,009	7,428	10,120	10,350	9,880	681	677	752
Indiana	3,103	3,095	3,243	4,500	5,570	5,560	690	556	583
Iowa	2,289	2,239	2,371	3,060	3,090	3,170	748	725	748
Kansas	1,199	1,251	1,308	2,240	2,180	2,290	535	574	571
Kentucky	1,380	1,356	1,505	2,890	3,080	3,240	478	440	465
Louisiana	1,895	1,828	1,845	3,390	3,220	3,180	559	568	580
Maine	247	234	281	1,290	1,150	1,120	191	203	251
Maryland	4,389	4,935	5,099	5,840	5,660	6,650	752	872	767
Massachusetts	9,235	9,676	9,974	11,190	12,630	13,700	825	766	728
Michigan	4,880	5,078	5,396	7,600	8,520	8,210	642	596	657
Minnesota	2,435	2,388	2,421	4,260	5,110	5,190	572	467	466
Mississippi	628	692	747	1,930	1,900	1,910	325	364	391
Missouri	3,159	3,230	3,251	5,600	5,430	5,340	564	595	609
Montana	272	328	371	940	730	980	289	449	379
Nebraska	1,030	1,011	1,040	2,250	1,910	1,790	458	529	581
Nevada	370	447	513	970	1,260	1,060	381	355	484
New Hampshire	607	615	653	1,090	1,160	1,190	557	530	549
New Jersey	3,102	3,055	3,300	4,750	5,210	6,290	653	586	525
New Mexico	808	780	829	2,120	2,690	2,650	381	290	313
New York	12,382	12,427	12,904	19,080	19,570	18,830	649	635	685
North Carolina	4,958	5,141	5,579	7,480	8,440	8,770	663	609	636
North Dakota	269	271	322	880	660	760	306	411	424
Ohio	5,169	5,078	5,385	9,390	9,480	9,600	550	536	561
Oklahoma	919	925	996	2,630	2,620	2,500	349	353	398
Oregon	1,614	1,540	1,713	2,570	3,070	3,140	628	502	546
Pennsylvania	8,194	8,362	8,718	11,620	13,130	14,380	705	637	606
Rhode Island	852	862	904	1,670	1,640	1,770	510	526	511
South Carolina	1,202	1,343	1,478	3,040	2,920	2,540	395	460	582
South Dakota	140	131	168	660	600	620	212	218	271
Tennessee	2,254	2,284	2,463	4,530	4,560	4,820	498	501	511
Texas	8,756	9,039	9,777	13,180	13,310	13,680	664	679	715
Utah	1,570	1,570	1,631	2,940	3,000	2,760	534	523	591
Vermont	380	412	398	1,080	960	950	352	429	419
Virginia	3,014	3,104	3,254	5,290	6,320	7,020	570	491	464
Washington	3,206	3,339	3,557	5,110	6,120	6,000	627	546	593
West Virginia	417	388	385	1,120	1,080	1,160	372	359	332
Wisconsin	3,189	3,044	3,287	5,230	4,920	4,400	610	619	747
Wyoming	200	190	215	560	570	470	357	333	457
Puerto Rico	168	186	214	630	1,030	1,250	267	181	171

NOTES: Survey of Doctorate Recipients sample design does not include geography. Data on U.S. S&E doctorate holders are classified by employment location. Thus, reliability of data for areas with smaller populations is lower than for more populous states. Reliability of estimates by state for S&E doctorate holders may be poor for some states because of small sample size.

SOURCES: Thomson ISI, *Science Citation Index* and *Social Sciences Citation Index;* ipIQ, Inc.; and National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients.

Science and Engineering Indicators 2006