

TABLE 38. Companies using nanotechnology to perform R&amp;D, by industry and company size, by R&amp;D area: 2007

Industry and company size	NAICS codes	Biotechnology	Software development	Materials and synthesis processing	Other areas
All industries	21–23, 31–33, 42, 44–81	62	77	247	160
Manufacturing industries	31–33	32	39	196	119
Food	311	2	0	2	3
Beverage and tobacco products	312	1	0	0	0
Textiles, apparel, and leather	313–16	1	1	5	3
Wood products	321	0	1	2	0
Paper, printing, and support activities	322, 323	0	0	5	2
Petroleum and coal products	324	0	0	2	0
Chemicals	325	11	5	72	30
Basic chemicals	3251	2	2	24	4
Resin, synthetic rubber, fibers, and filament	3252	1	0	14	2
Pharmaceuticals and medicines	3254	7	1	5	5
Other chemicals	other 325	1	2	29	19
Plastics and rubber products	326	0	0	21	4
Nonmetallic mineral products	327	1	0	6	1
Primary metals	331	0	0	7	2
Fabricated metal products	332	0	0	9	8
Machinery	333	1	3	12	19
Computer and electronic products	334	8	24	28	26
Computers and peripheral equipment	3341	0	1	0	4
Communications equipment	3342	0	2	2	1
Semiconductor and other electronic components	3344	1	5	10	3
Navigational, measuring, electromedical, and control instruments	3345	7	14	13	17
Other computer and electronic products	other 334	0	2	3	1
Electrical equipment, appliances, and components	335	0	0	4	3
Transportation equipment	336	1	0	7	5
Motor vehicles, trailers, and parts	3361–63	0	0	4	3
Aerospace products and parts	3364	1	0	1	0
Other transportation equipment	other 336	0	0	2	2
Furniture and related products	337	0	0	0	1
Miscellaneous manufacturing	339	6	5	14	12
Medical equipment and supplies	3391	5	3	9	6
Other miscellaneous manufacturing	other 339	1	2	5	6
Nonmanufacturing industries	21–23, 42, 44–81	30	38	51	41
Mining, extraction, and support activities	21	0	1	2	2
Utilities	22	0	0	0	1
Construction	23	0	0	1	0
Wholesale trade	42	4	2	7	6
Retail trade	44, 45	0	1	0	0
Transportation and warehousing	48, 49	0	0	0	0
Information	51	0	14	1	2
Publishing	511	0	9	0	2
Newspaper, periodical, book, and directory	5111	0	0	0	0
Software	5112	0	9	0	2
Telecommunications	517	0	2	0	0
Wired and wireless (except satellite) telecommunications carriers	5171, 5172	0	1	0	0
Satellite telecommunications	5174	0	0	0	0
Other telecommunications	other 517	0	1	0	0

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Industry and company size	NAICS codes	Biotechnology	Software development	Materials and synthesis processing	Other areas
Internet service providers, Web search portals, and data-processing services	518	0	3	1	0
Internet service providers and Web search portals	5181	0	1	0	0
Data-processing, hosting, and related services	5182	0	2	1	0
Other information	other 51	0	0	0	0
Finance, insurance, and real estate	52, 53	0	0	1	0
Professional, scientific, and technical services	54	25	19	35	29
Architectural, engineering, and related services	5413	0	3	2	5
Computer systems design and related services	5415	0	11	3	3
Scientific R&D services	5417	24	2	28	20
Other professional, scientific, and technical services	other 54	1	3	2	1
Health care services	621-23	1	0	0	0
Other nonmanufacturing <sup>a</sup>	55, 56, 61, 624, 71, 72, 81	0	1	4	1
Company size (employees)					
All companies	-	62	77	247	160
5-24	-	11	12	42	19
25-49	-	8	18	31	27
50-99	-	14	14	31	23
100-249	-	11	13	46	40
250-499	-	7	6	31	17
500-999	-	1	5	17	13
1,000-4,999	-	5	7	31	9
5,000-9,999	-	2	1	6	6
10,000-24,999	-	2	1	5	3
25,000 or more	-	1	0	7	3

- = not applicable.

<sup>a</sup> Estimates for management of companies and enterprises (NAICS 55), formerly shown separately, now are included in other nonmanufacturing.

NOTES: The method used to assign industry classifications has changed; industry-specific estimates are not directly comparable with those for years prior to 2004. Excludes federally funded research and development centers. The R&D in this table is the industrial R&D performed within company facilities funded from all sources. The funds are the company's own; funds from outside organizations, such as other companies, research institutions, universities and colleges, nonprofit organizations, and state governments; and funds from the federal government. Excludes R&D performed outside of the company (e.g., R&D performed by other organizations) and R&D performed outside of the 50 U.S. states and DC (e.g., R&D not performed on U.S. soil by foreign subsidiaries or other foreign organizations). For definitions and more information about year-to-year comparability of the statistics, see technical notes and survey methodology.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2007.