

第 **16** 篇
CHAPTER

无锡统计年鉴
2024

科学 技术

SCIENCE AND TECHNOLOGY

2024 WUXI STATISTICAL YEARBOOK



第十六篇 科学 技术

CHAPTER X VI SCIENCE AND TECHNOLOGY

●	新增各类取得专业技术等级人员数	11.70万人	(10 ⁴ persons)
	Newly Added Personnel with Various Professional Technical Levels		
	比上年增长	-2.4%	
	Over the Previous Year		
●	新增中级职称以上专业技术人员	1.94万人	(10 ⁴ persons)
	Newly Added Personnel with Senior and Intermediate Qualification		
	比上年增长	9.6%	
	Over the Previous Year		
●	专利批准数总计	55953件	(item)
	Number of Patent Application Approvals		
	比上年增长	-18.8%	
	Over the Previous Year		
●	规模以上高新技术产业产值	13318.31亿元	(10 ⁸ yuan)
	Output Value in High-tech Industry		
	比上年增长	8.7%	
	Over the Previous Year		

16—1 各类专业技术人员基本情况（2022—2023年）
Basic Statistics on Professional Personnel by Category（2022—2023）

单位：万人		(10 ⁴ persons)	
	指 标	2022	2023
	Items		
新增各类取得专业技术等级人员数	Newly Added Personnel with Various Professional Technical Levels	11.99	11.70
按职称分：	by Professional Titles		
#高级职称	Senior	0.39	0.42
中级职称	Intermediate	1.38	1.52
初级职称	Junior	1.66	1.71

16—2 专利申请批准数（2020—2023年）
Number of Patent Application Approval (2020—2023)

单位：件		(piece)			
	指 标	2020	2021	2022	2023
	Items				
专利批准数总计	Number of Patent Approvals	60702	79738	68950	55953
发明专利	Invention	4362	5764	8439	11750
实用新型专利	Applied Type	51011	67532	55308	39829
外观设计专利	Design	5329	6442	5203	4374

16－3 规模以上工业企业高新技术产业基本情况

Basic Statistics on High-tech Industry of Industrial Enterprises above Designated Size

单位：亿元		(2023年)		(10 ⁸ yuan)	
	指 标	工业总产值	营业收入	营业利润	出口交货值
	Items	Gross Industrial Output Value	Operating Revenue	Operating Profits	Delivery Value for Export
合 计	Total	13331.83	12201.22	986.80	2534.77
1.航天航空制造业	Aerospace and Aviation Manufacturing	26.93	26.28	3.64	11.64
2.计算机及办公设备制造业	Computers and Office Equipments Industry	187.80	208.91	4.35	155.14
3.电子及通信设备制造业	Electronic and Communication Equipments	3631.37	3257.81	168.04	1377.71
4.医药制造业	Pharmaceutical Manufacturing	612.43	560.49	92.25	122.42
5.仪器仪表制造业	Instrument Manufacturing Industry	337.19	286.72	36.10	19.70
6.智能装备制造业	Intelligent Equipment Manufacturing Industry	5062.76	4725.73	472.84	499.90
7.新材料产业	New Material	2293.90	2085.64	170.66	213.90
8.新能源	New Energy	1179.44	1049.65	38.90	134.37

注：按《江苏省高新技术产业统计分类目录》（2018年修订）汇总。
Note: According to the statistical classification catalogue of Jiangsu's new and high technology industry (revised in 2018).

16－4 技术合同成交情况
Statistics on Technology Contracts Closed

		(2023年)	
	指 标	合同数 (项)	技术合同金额 (万元)
	Items	Number of Contracts (unit)	Contract Value (10000 yuan)
合 计	Total	8132	4974840
技术开发	Technology Development	2497	1744892
技术转让	Technology Transfer	469	2120028
技术咨询	Technical Consulting	101	4082
技术服务	Technical Services	5065	1105839

16—5 产品质量监督检查情况
Results of Sampling Check on the Quality of Products

单位：批次、%		(2023年)		(batch, percent)
	产品名称	监督检查 批次数	监督检查 合格批次数	批 次 合格率
	Items	Batches of Supervision and Inspection	Qualified Batches	Qualified Rate
合 计	Total	540	521	96.5
食品相关产品	Food Related Products	70	70	100.0
食品用塑料包装容器工具产品	Plastic Packaging Containers for Food Products	70	70	100.0
日用消费品	Consumer Goods	230	222	96.5
电动自行车	Electric Bicycle	50	44	88.0
服装	Clothes	160	158	98.8
配装眼镜	Assembled Spectacles	10	10	100.0
妇女用品	Women's Products	10	10	100.0
建筑装饰装修材料	Building and Decoration Raw Materials	50	47	94.0
木家具	Wood Furniture	20	17	85.0
地板	Floor	10	10	100.0
水泥	Cement	20	20	100.0
工业生产资料	Industrial Production	170	162	95.3
电力电缆	Power Cable	90	84	93.3
小功率电机	Low-power Motor	30	29	96.7
危险化学品	Hazardous Chemicals	20	20	100.0
危险化学品包装物、容器	Dangerous Chemical Packaging, Container	30	29	96.7
农业生产资料	Means of Agricultural Production	20	20	100.0
肥料	Fertilizer	20	20	100.0

16—6 商标注册情况 (2022—2023年)
Statistics on Registered Trademarks (2022—2023)

单位：件		(piece)	
	指 标	2022	2023
	Items		
新申请注册商标	New Application for Registered Trademarks	36543	26951
有效注册商标总量累计	Valid Registered Trademark	260472	281571

16—7 规模以上工业企业科技活动情况 (2022—2023年)

Technological Development Activities of Industrial Enterprise above Designated Size(2022—2023)

单位: 万元

(10000 yuan)

指 标		2022	2023
Items			
企业数	(个) Number of Enterprises	(unit)	8089 8502
[#] 有研发活动企业数	Enterprises with Research and Development Activities		4333 4033
有研发机构单位数	Enterprises with Research and Development Institutions		2724 2560
从事研发活动人员	(人) Personnel Engaged in Research and Development Activities	(person)	133281 140718
研发经费内部支出	Internal Expenditure		4177787 4397033
[#] 经常费用支出	Recurrent Cost		3728937 3932603
[#] 人员劳务费	Labor Cost		1216431 1582719
资产性支出	Capital Expenditure		448850 464430
研发经费外部支出	External Expenditure		94373 157766
技术改造经费支出	Expenditures of Technical Transformation		258643 249627
技术引进经费支出	Expenditures of Technical Introduction		24960 31376
用于消化吸收经费支出	Expenditures of Technical Digesting and Absorbing		45 1977
购买国内技术经费支出	Expenditures of Purchasing Domestic Technology		26491 17760
新产品销售收入	Revenue of New Products Sales		77780910 77170480
[#] 新产品出口	New Products Exported		12120343 12097289

16—8 规模以上工业企业技术开发支出情况

单位：万元		(2023年)
	行 业 Sectors	技术开发 经 费 支出总额 Expenditures
总 计	Total	300741
农副食品加工业	Farm and Sideline Food Processing Industry	599
食品制造业	Food Manufacturing Industry	1321
纺织业	Textile Industry	3932
纺织服装、服饰业	Textile and Garment Industry, and Costume Industry	806
家具制造业	Manufacturing of Furniture	9801
造纸和纸制品业	Manufacturing of Paper and Paper Products	115
印刷和记录媒介复制业	Printing, Reproduction of Recording Media Industry	757
化学原料和化学制品制造业	Manufacturing of Raw Chemical Materials and Chemical Products	8231
医药制造业	Pharmaceutical Industry	1990
化学纤维制造业	Chemical Fibers Manufacturing	444
橡胶和塑料制品业	Rubber and Plastic Products Industry	10824
非金属矿物制品业	Manufacture of Non-metallic Mineral Products	2111
黑色金属冶炼和压延加工业	Smelting and Pressing of Ferrous Metals	59598
有色金属冶炼和压延加工业	Smelting and Pressing of Non-ferrous Metals	3112
金属制品业	Metal Product Industry	20564
通用设备制造业	General Equipment Manufacturing	36354
专用设备制造业	Special Equipment Manufacturing	20714
汽车制造业	Automobile Industry	12817
铁路、船舶、航空航天和其他运输设备制造业	Manufacturing of Railroads, Ships, Aerospace and Other Transportation Equipment	2285
电气机械和器材制造业	Manufacturing of Electrical Machinery and Equipment	24979
计算机、通信和其他电子设备制造业	Manufacturing of Communication Equipment, Computers and Other Electronic Equipment	69501
仪器仪表制造业	Manufacturing of Measuring Instruments	495
废弃资源综合利用业	Comprehensive Utilization of Waste Resources	508
电力、热力生产和供应业	Production and Supply of Electric Power and Heat Power	8885

Expenditures on Technological Development of Industrial Enterprise above Designated Size

(10000 yuan)

技术改造支出总额 Expenditures for Updating Technology	引进境外技术经费支出 Expenditures for Introducing Foreign Technology	消化吸收经费支出 Expenditures for Digesting and Absorbing Introduced Technology	购买国内技术经费支出 Expenditures for Purchasing Domestic Technology
249627	31376	1977	17760
599			
1321			
3526	323		83
806			
9801			
115			
757			
5488	648	1976	120
718			1272
444			
9801			1024
2029			82
59598			
3112			
20538			26
33695	1620		1040
9735	5006		5973
7958	4660		199
1995	286		4
23929	1002	2	46
44119	17833		7549
485			10
508			
8552			333

16—9 规模以上工业企业办技术开发机构情况

Technological Institution Development of Industrial Enterprise above Designated Size

(2023年)

	分 类 Items	人员 (人) Personnel (person)	经费支出 (万元) Expenditures (10000 yuan)
合 计	Total	85594	3408845
农副食品加工业	Farm and Sideline Food Processing Industry	135	3650
食品制造业	Food Manufacturing Industry	165	4621
酒、饮料和精制茶制造业	Wine, Beverage and Refined Tea Manufacturing	42	1385
纺织业	Textile Industry	2165	55345
纺织服装、服饰业	Textile and Garment Industry, and Costume Industry	372	7103
木材加工和木、竹、藤、棕、草制品业	Processing of Wood and Bamboo, Vine, Palm and Straw Manufacturing	105	2180
家具制造业	Manufacturing of Furniture	621	13771
造纸和纸制品业	Manufacturing of Paper and Paper Products	225	11678
印刷和记录媒介复制业	Printing, Reproduction of Recording Media Industry	823	18712
文教、工美、体育和娱乐用品制品业	Manufacturing of Culture, Art, Sports and Entertainment Products	367	7867
石油、煤炭及其他燃料加工业	Petroleum, Coal and Other Fuel Processing Industry	338	14532
化学原料和化学制品制造业	Manufacturing of Raw Chemical Materials and Chemical Products	2579	118565
医药制造业	Pharmaceutical Industry	757	32666
化学纤维制造业	Chemical Fibers Manufacturing	696	33094
橡胶和塑料制品业	Rubber and Plastic Products Industry	2681	90571
非金属矿物制品业	Manufacture of Non-metallic Mineral Products	2128	70526
黑色金属冶炼和压延加工业	Smelting and Pressing of Ferrous Metals	1663	151388
有色金属冶炼和压延加工业	Smelting and Pressing of Non-ferrous Metals	1090	60300
金属制品业	Metal Product Industry	5419	178977
通用设备制造业	General Equipment Manufacturing	12079	368100
专用设备制造业	Special Equipment Manufacturing	14001	431837
汽车制造业	Automobile Industry	6333	241878
铁路、船舶、航空航天和其他运输设备制造业	Manufacture of Railroads, Ships, Aerospace and Other Transportation Equipment	2950	105685
电气机械和器材制造业	Manufacturing of Electrical Machinery and Equipment	12627	632444
计算机、通信和其他电子设备制造业	Manufacturing of Communication Equipment, Computers and Other Electronic Equipment	12432	663373
仪器仪表制造业	Manufacturing of Measuring Instruments	2360	70559
其他制造业	Other Manufacturing	117	1999
废弃资源综合利用业	Comprehensive Utilization of Waste Resources	37	1823
电力、热力生产和供应业	Production and Supply of Electric Power and Heat Power	129	5991
燃气生产和供应业	Production and Supply of Gas	52	391
水的生产和供应业	Production and Supply of Water	106	7836