

PART V

Statistics of Application and Funding for NSFC Projects in 2008

5.1 Funds for Research Projects

General Program Projects

Application and Funding Statistics for General Program Projects in 2008, by Scientific Department

Table 5-1

(Unit: 10,000 yuan)

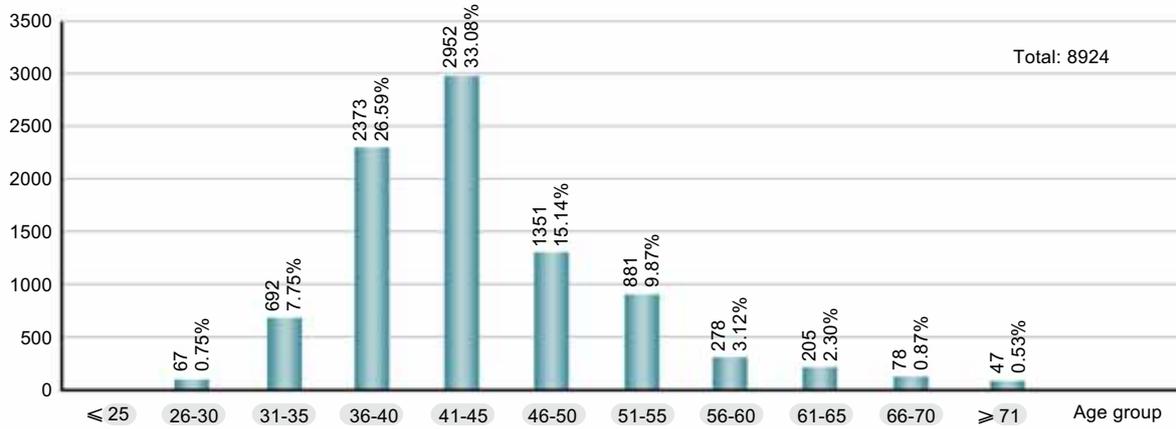
Scientific department	Application	Projects & funding approved				Success rate** (%)
	No. of proposals	No. of projects	Funding	Percentage of the total (%)	Average*	
Mathematical and Physical Sciences	3,297	926	31,690	10.98	34.22	28.09
Chemical Sciences	4,669	1,001	32,061	11.11	32.03	21.44
Life Sciences	21,448	3,471	103,127	35.73	29.71	16.18
Earth Sciences	3,413	860	37,393	12.95	43.48	25.20
Engineering and Materials Sciences	8,362	1,321	45,833	15.88	34.7	15.80
Information Sciences	5,263	957	29,453	10.20	30.78	18.18
Management Sciences	2,858	388	9,090.4	3.15	23.43	13.58
Total	49,310	8,924	288,647.40	100	32.35	18.10

Note: *average=funding/project; ** success rate =No. of approved/ No. of proposals applied.

Age Distribution of Principal Investigators of General Program Projects in 2008

Figure 5-1

No. of people



Professional Level of Members of Research Groups for General Program Projects Funded in 2008

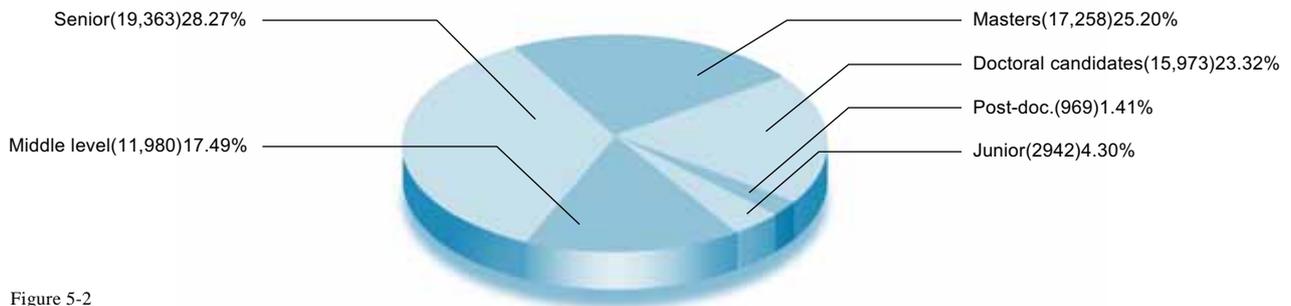


Figure 5-2

Total:68,485

Statistics of Application and Funding for NSFC Projects in 2008

Statistics of General Program Projects by Region: 2008

Table 5-2

(Unit: 10,000 yuan)

Region	No. of proposals	Funding	Region	No. of projects	Funding	Region	No. of projects	Funding
Beijing	2,069	68,964.70	Hunan	279	8,910.00	Shanxi	68	2,197.00
Shanghai	916	28,801.90	Anhui	245	8,223.00	Yunnan	63	2,030.00
Jiangsu	742	23,951.50	Tianjin	249	7,865.50	Guizhou	24	1,022.00
Guangdong	589	18,797.00	Heilongjiang	232	7,050.00	Xinjiang	16	632.00
Hubei	557	17,787.50	Jilin	214	6,995.00	Guangxi	17	580.00
Shaanxi	479	15,327.00	Chongqing	201	6,154.60	Jiangxi	17	577.00
Zhejiang	458	14,280.00	Fujian	139	4,450.60	Qinghai	7	261.00
Shandong	394	12,867.00	Gansu	112	4,047.00	Inner Mongolia	6	177.00
Liaoning	326	10,274.10	Hebei	103	3,371.00	Hainan	2	70.00
Sichuan	301	9,838.00	Henan	99	3,146.00			
Total							8,924	288,647.4

Key Program Projects

Application and Funding for Key Program Projects, by Scientific Department: 2008

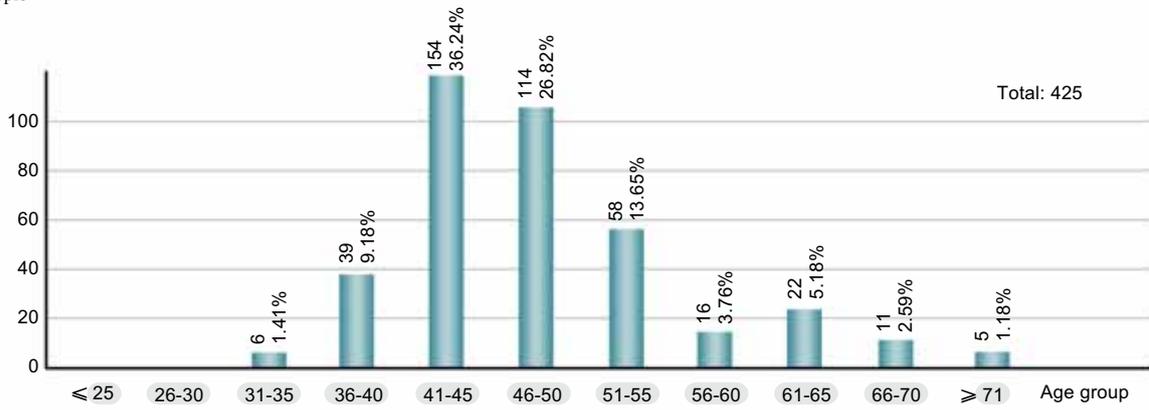
Table 5-3

(Unit: 10,000 yuan)

Scientific department	Application	Projects & funding approved				Success rate** (%)
	No. of proposals	No. of projects	Funding	Percentage of the total (%)	Average*	
Mathematical and Physical Sciences	158	54	10,808.00	13.86	200.15	34.18
Chemical Sciences	174	51	10,213.00	13.10	200.25	29.31
Life Sciences	714	121	21,042.00	26.99	173.9	16.95
Earth Sciences	323	62	10,250.00	13.15	165.32	19.20
Engineering and Materials Sciences	291	76	14,930.00	19.15	196.45	26.12
Information Sciences	139	45	9,000.00	11.54	200	32.37
Management Sciences	76	16	1,730.00	2.22	108.13	21.05
Total	1,875	425	77,973.00	100	183.47	22.67

Age Distribution of Principal Investigators of Key Program Projects: 2008

Figure 5-3
No. of people



Professional Level of Members of Research Groups for Key Program Projects: 2008

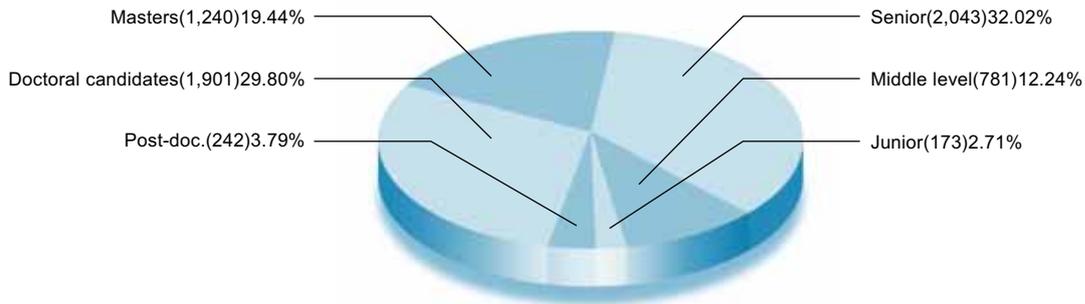


Figure 5-4

Total: 6,380

Major Program

Funding of Major Program Projects in 2008

Table 5-4

(Unit: 10,000 yuan)

Name of project	PI	Professional title	Home institution	Funding
Research on the integrated biochemical analysis system for micro-nano fluid controls	Chen Hongyuan	Professor	Nanjing University	1,000
Research on genomic morphology of several groups in the Chinese population	Zeng Changqing	Research professor	Beijing Institute of Genome Research, CAS	1,000
Mechanism of metabolic nuclear receptors in glycolipid metabolic regulation	Wang Nanping	Professor	Peking University	1,000
Research on tree ring and millennium climate change in China	Zhou Xiuji	Research professor	Chinese Academy of Meteorological Sciences	1,000
Basic theory and key technology of multidimensional microwave imaging	Wu Yirong	Research professor	Institute of Electronics, CAS	1,000
Research on major foundational problems and key technology of emerging electronic commerce	Chen Guoqing	Professor	Tsinghua University	1,000
Research on key technology and methods of neutrino high performance detector	Wang Yifang	Research professor	Institute of High Energy Physics, CAS	1,000
Environmental process and toxicological effect of typical sustained organic pollutants	Jiang Guibin	Research professor	Center for Eco-environmental Research, CAS	1,000
Development of functional molecular sieve material of catalytic process guidance of heavy oil	Zhao Dongyuan	Professor	Fudan University	1,000
Rhizosphere process and regulation mechanism of efficient use of phosphor in crops	Zhang Fusuo	Professor	China Agricultural University	1,000
Research on the mechanism and regulation of self immunological identification and response	Xiong Sidong	Professor	Fudan University	1,000
Research on pacific low altitude west boundary circulating flow system and warm pool low frequency abnormality	Hu Dunxin	Research professor	Institute of Oceanography, CAS	1,000
Research on space weather energy transport process	Wei Fengsi	Research professor	Research Center of Space Science and Application, CAS	1,000
Multi scale structural design and preparation of tough metal materials	Zhang Zhefeng	Research professor	Institute of Metallurgy, CAS	1,000
Basic problems in new cryogenic technologies	Wu Jianfeng	Research professor	Technical Institute of Physics and Chemistry, CAS	1,000
Research on basic and key problems in gallium nitride based millimeter wave devices and materials	Ye Tianchun	Research professor	Institute of Microelectronics, CAS	1,000
Research on basic scientific problems related to high power all solid laser devices	Zhou Shouheng	professor	Sichuan University	1,000

Major Research Plan

Funding of Major Research Plan Projects in 2008

Table 5-5

(Unit: 10,000 yuan)

Title of the Major Research Plan	Number of applications	Number of approved projects	Funding
Environment and ecology of western China		1	200
Modern research on several key scientific problems in traditional Chinese medicine		3	61
Several key problems in energy utilization and environmental protection of western China*		1, (2)	80, (60)
Global change and regional response		1	300
Research on network based scientific activities		1	300
Studies on signal transmission based on small chemical molecular probes	156	38	3200
Damage of the North China Craton	43	15	4,645
Dynamic disasters in major engineering projects	117	31	3,800
Key basic scientific problems in near space aircraft	106	28	3,050
Molecular mechanism of plant hormone	62	24	2,696
Basic research on high confidence software	216	29	3,280
Cognitive computation of visual and audio information	236	27	3,300

* In 2008, two on-going projects received funding adjustment, increasing 600,000 yuan.

Joint Funds and Jointly Funded Projects

Funding of Joint Funds and Jointly Funded Projects in 2008

Table 5-6

(Unit: 10,000 yuan)

Project type	Number of applications	Number of approved projects	Funding
NSAF Joint Fund	102	46	1,584
Joint Fund of Iron and Steel Research	80	20	1,480
Joint Fund of Civil Aviation Research	80	27	750
Joint Fund of Astronomy	80	26	1,500
Joint Fund of Petrochemical Engineering	26	10	2,370
NSFC-Guangdong Joint Fund	187	29	4,780
NSFC-Yunnan Joint Fund	164	18	3,000
Jointly Funded Projects with Microsoft Research Institute Asia	36	9	600
Jointly Funded Projects of Railway	43	14	500
Total	798	199	16,654

International (Regional) Cooperative Research Projects

Funding of International (Regional) Cooperative Research Projects in 2008

Table 5-7

(Unit: 10,000 yuan)

Project type	Number of projects	Funding
Major Joint Research Projects	62	7,186.000
Joint Research Projects (under MoU with foreign organizations)	52	2,410.4928
Sino-German Center for Research Promotion	1	1,039.4339
Total	115	10,635.9267

5.2 Funds for Talented Professionals

Projects for Young Scientists Fund

Application and Funding of Projects of Young Scientists Fund, by Scientific Department: 2008

Table 5-8

(Unit: 10,000 yuan)

Scientific department	Application	Projects & funding approved				Success rate (%)
	No. of proposals	No. of projects	Funding	Percentage of the total (%)	Average	
Mathematical and Physical Sciences	1,545	483	9,664	10.28	20.01	31.26
Chemical Sciences	2,146	530	9,763	10.39	18.42	24.70
Life Sciences	7,864	1,560	31,223	33.22	20.01	19.84
Earth Sciences	1,876	552	11,033	11.74	19.99	29.42
Engineering and Materials Sciences	3,582	887	18,044	19.20	20.34	24.76
Information Sciences	2,936	553	11,058	11.76	20	18.84
Management Sciences	1,185	192	3,209.2	3.41	16.71	16.20
Total	21,134	4,757	93,994.2	100	19.76	22.51

Statistics of Projects for Young Scientists Fund by Region: 2008

Table 5-9

(Unit: 10,000 yuan)

Region	No. of proposals	Funding	Region	No. of projects	Funding	Region	No. of projects	Funding
Beijing	999	19,731.30	Hunan	154	3,052.00	Shanxi	21	429.00
Shanghai	507	9,938.50	Anhui	116	2,266.50	Yunnan	35	701.00
Jiangsu	377	7,380.90	Tianjin	132	2,538.50	Guizhou	15	294.00
Guangdong	279	5,439.80	Heilongjiang	108	2,174.50	Xinjiang	19	369.00
Hubei	360	7,145.70	Jilin	82	1,600.00	Guangxi	11	223.80
Shaanxi	226	4,561.00	Chongqing	140	2,800.00	Jiangxi	36	698.00
Zhejiang	291	5,711.90	Fujian	72	1,411.00	Qinghai	2	44.00
Shandong	197	3,884.30	Gansu	83	1,762.00	Inner Mongolia	7	131.00
Liaoning	220	4,324.50	Hebei	32	658.00	Hainan	2	38.00
Sichuan	175	3,524.00	Henan	55	1,086.00	Ningxia	4	76.00
Total							4,757	93,994.20

Professional Level of Members of Research Groups for Young Scientists Fund: 2008

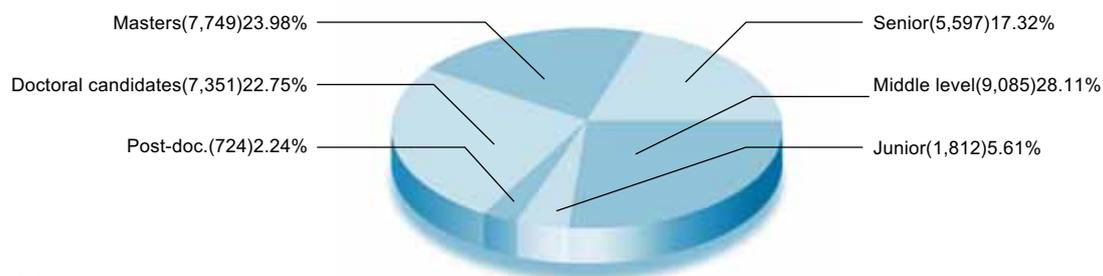


Figure 5-5

Total:32,318

Projects of Regional Fund

Application and Funding of Projects of Young Scientists Fund, by Scientific Department: 2008

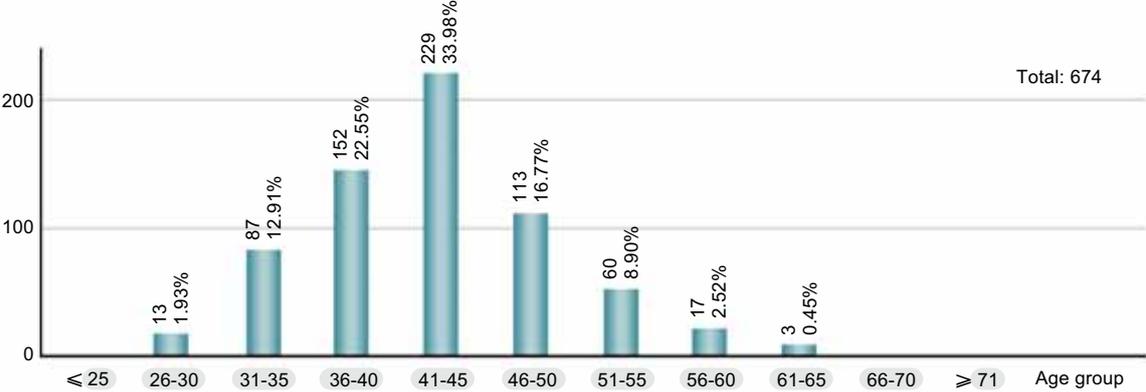
Table 5-10

(Unit: 10,000 yuan)

Region	Application	Projects & funding approved				Successrate (%)
	No. of proposals	No. of projects	Funding	Percentage of the total(%)	Average	
Inner Mongolia	452	80	2,084.5	12.28	26.06	17.70
Jiangxi	562	122	2,977.4	17.54	24.40	21.71
Guangxi	428	101	2,562.6	15.10	25.37	23.60
Hainan	170	41	1,039	6.12	25.34	24.12
Guizhou	178	39	983	5.79	25.21	21.91
Yunnan	504	108	2,725	16.05	25.23	21.43
Xizang	34	7	182	1.07	26.00	20.59
Qinghai	72	11	285	1.68	25.91	15.28
Ningxia	146	21	536	3.16	25.52	14.38
Xinjiang	726	125	3,114	18.35	24.91	17.22
Yanbian	70	19	485	2.86	25.53	27.14
Total	3,342	674	16,973.5	100.00	25.18	20.17

Age Distribution of Principal Investigators of Projects of Regional Fund: 2008

Figure 5-6
No. of people



National Science Fund for Distinguished Young Scholars

In 2008, 1,868 young scholars applied for the National Science Fund for Distinguished Young Scholars. After review by experts, 170 were awarded, among them 86 are from universities of MOE, 58 from CAS institutes and 26 from other institutions. The total funding reached 332.8 million yuan.

Awardees of the National Science Fund for Distinguished Young Scholars: 2008

Table 5-11

	Name	Gender	Professional title	Affiliation
1	Su Yucai	Male	Professor	University of Science and Technology of China
2	Huang Feimin	Male	Research professor	Academy of Mathematics and Systems Sciences, CAS
3	Ge Gennian	Male	Professor	Zhejiang University
4	Zhang Weinian	Male	Professor	Sichuan University
5	Hu Jianxun	Male	Professor	Zhongshan University
6	Liu Zhaoli	Male	Professor	Capital Normal University
7	Wang Zaihua	Male	Professor	Nanjing University of Aeronautics and Astronautics
8	Tan Wenchang	Male	Professor	Peking University
9	Zheng Xuejun	Male	Professor	Xiangtan University
10	Lu Tianjian	Male	Professor	Xi'an Jiaotong University
11	Liu Qingquan	Male	Research professor	Institute of Mechanics, CAS
12	Wang Junxian	Male	Professor	University of Science and Technology of China
13	Zhu Zonghong	Male	Professor	Beijing Normal University
14	Yuan Feng	Male	Research professor	Shanghai Astronomical Observatory, CAS
15	Wang Bing	Male	Professor	University of Science and Technology of China
16	Zhang Xiangdong	Male	Professor	Beijing Normal University
17	Wu Biao	Male	Research professor	Institute of Physics, CAS
18	Jin Kuijuan	Female	Research professor	Institute of Physics, CAS
19	Han Xiaodong	Male	Professor	Beijing University of Technology
20	Fang Haiping	Male	Research professor	Shanghai Institute of Applied Physics, CAS
21	Wang Zhanshan	Male	Professor	Tongji University
22	Zhou Xiaohong	Male	Research professor	Institute of Modern Physics, CAS
23	Wang Enke	Male	Professor	Huazhong Normal University
24	Yuan Changzheng	Male	Research professor	Institute of High Energy Physics, CAS
25	Li Fuyou	Male	Professor	Fudan University
26	Li Dan	Male	Professor	Shantou University
27	Long Lasheng	Male	Professor	Xiamen University
28	Mao Jianggao	Male	Research professor	Fujian Institute of Research on the Structure of Matter, CAS

Table 5-11

	Name	Gender	Professional title	Affiliation
29	Yu Zhixiang	Male	Associate professor	Peking University
30	Li Yanmei	Female	Professor	Tsinghua University
31	Qin Yong	Male	Professor	Sichuan University
32	Yu Gui	Male	Research professor	Institute of Chemistry, CAS
33	Hu Jinbo	Male	Research professor	Shanghai Institute of Organic Chemistry, CAS
34	Liu Haichao	Male	Professor	Peking University
35	Liu Zhipan	Male	Research professor	Fudan University
36	Ma Jing	Female	Professor	Nanjing University
37	Ren Bin	Male	Professor	Xiamen University
38	Xia Andong	Male	Research professor	Institute of Chemistry, CAS
39	Hu Wenbing	Male	Professor	Nanjing University
40	Sun Pingchuan	Male	Research professor	Nankai University
41	Fang Qun	Male	Professor	Zhejiang University
42	Liang Xinmiao	Male	Research professor	Dalian Institute of Chemical Physics, CAS
43	Guo Lianghong	Male	Research professor	Research Center for Eco-Environmental Sciences, CAS
44	Tang Huiru	Male	Research professor	Wuhan Institute of Physics and Mathematics, CAS
45	Bao Xiaojun	Male	Professor	China University of Petroleum (Beijing)
46	Chu Liangyin	Male	Professor	Sichuan University
47	Dong Jinxiang	Male	Professor	Taiyuan University of Science and Technology Taiyuan University of Technology
48	Li Hexing	Male	Professor	Shanghai Normal University
49	Li Yuezhong	Male	Professor	Shandong University
50	Bai Fengyan	Male	Research professor	Institute of Microbiology, CAS
51	Xu Xudong	Male	Research professor	Institute of Hydrobiology, CAS
52	Zhu Ruiliang	Male	Professor	Huadong Normal University
53	Huang Shuangquan	Male	Professor	Wuhan University
54	Cai Wanzhi	Male	Professor	China Agricultural University
55	Huang Yongping	Male	Research professor	Shanghai Institutes for Biological Sciences, CAS
56	Bai Yongfei	Male	Research professor	Institute of Botany, CAS
57	Zhai Qiwei	Male	Research professor	Shanghai Institutes for Biological Sciences, CAS
58	Liang Ping	Female	Professor	General Hospital of the People's Liberation Army
59	Zhou Pingkun	Male	Research professor	Military Academy of Medical Sciences, PLA
60	Sun Jianyuan	Male	Professor	Institute of Biophysics, CAS
61	Luo Zhenge	Male	Research professor	Shanghai Institutes for Biological Sciences, CAS
62	Zhang Zhijun	Female	Professor	Southeast University
63	Wang Haibin	Male	Research professor	Institute of Zoology, CAS

Statistics of Application and Funding for NSFC Projects in 2008

Table 5-11

	Name	Gender	Professional title	Affiliation
64	Zhu Yichun	Male	Professor	Fudan University
65	Cheng Tao	Male	Professor	Chinese Academy of Medical Sciences
66	Hu Yu	Male	Professor	Huazhong University of Science and Technology
67	Shen Huahao	Male	Professor	Zhejiang University
68	Xie Weifen	Male	Professor	2 nd Military Medical University of the PLA
69	Zhang Hong	Female	Professor	Peking University
70	Zhou Jun	Male	Professor	Nankai University
71	Peng Xiaozhong	Male	Research professor	Chinese Academy of Medical Sciences
72	Gao Xiang	Male	Professor	Nanjing University
73	Peng Jinrong	Male	Professor	Zhejiang University
74	Chen Dahua	Male	Research professor	Institute of Zoology, CAS
75	Ying Yibin	Male	Professor	Zhejiang University
76	Li Zhaohu	Male	Professor	China Agricultural University
77	Chu Chengcai	Male	Research professor	Institute of Genetics and Developmental Biology, CAS
78	Liu Yongsheng	Male	Professor	Sichuan University
79	Yang Hanchun	Male	Professor	China Agricultural University
80	Chen Hualan	Female	Research professor	Harbin Veterinary Research Institute, CAAS
81	Liu Mingyuan	Male	Professor	Jilin University
82	Lv Jianxiong	Male	Research professor	Chinese Academy of Forestry
83	Zhang Linqi	Male	Professor	Tsinghua University
84	An Huazhang	Male	Associate professor	2 nd Military Medical University of the PLA
85	Fang Xiangming	Female	Professor	Zhejiang University
86	Qiao Jie	Female	Professor	Peking University
87	Mu Dezhi	Male	Professor	Sichuan University
88	Hu Jing	Male	Professor	Sichuan University
89	Jiang Yuanying	Male	Professor	2 nd Military Medical University of the PLA
90	Zhen Xuechu	Male	Research professor	Shanghai Institute of Materia Medica, CAS
91	Chang Junbiao	Male	Professor	Zhengzhou University
92	Shi Jiangong	Male	Research professor	Chinese Academy of Medical Sciences
93	Xu Yuhong	Female	Professor	Shanghai Jiaotong University
94	Chen Jiayu	Male	Professor	Beijing University of Chinese Medicine
95	Lv Aiping	Male	Research professor	China Academy of Chinese Medical Sciences
96	Li Xingrong	Male	Research professor	Cold and Arid Regions Environment and Engineering Research Institute, CAS
97	Huang Qiaoyun	Male	Professor	Huazhong Agricultural University
98	Yue Tianxiang	Male	Research professor	Institute of Geology and Resources, CAS

Table 5-11

	Name	Gender	Professional title	Affiliation
99	Qin Boqiang	Male	Professor	Nanjing Institute of Geography and Limnology, CAS
100	Wang Xiaolin	Male	Research professor	Institute of Vertebrate Paleontology and Paleoanthropology, CAS
101	Zhan Renbin	Male	Research professor	Nanjing Institute of Geology and Paleontology, CAS
102	Song Shuguang	Male	Associate professor	Peking University
103	Liu Xiaodong	Male	Research professor	Institute of Earth Environment, CAS
104	Wang Yuejun	Male	Research professor	Guangzhou Institute of Geochemistry, CAS
105	Xiong Xiaolin	Male	Research professor	Guangzhou Institute of Geochemistry, CAS
106	Feng Xinbin	Male	Research professor	Institute of Geochemistry, CAS
107	Wang Hansheng	Male	Research professor	Institute of Geodesy and Geophysics, CAS
108	Zhang Shaodong	Male	Professor	Wuhan University
109	Chen Yao	Male	Professor	Shandong University
110	Ma Yaoming	Male	Research professor	Institute of Tibetan Plateau Research, CAS
111	Liao Hong	Female	Research professor	Institute of Atmospheric Physics, CAS
112	Hou Shugui	Male	Research professor	Cold and Arid Regions Environment and Engineering Research Institute, CAS
113	Peng Dongliang	Male	Professor	Xiamen University
114	He Yuehui	Male	Professor	Central South University
115	Shen Baolong	Male	Research professor	Ningbo Institute of Materials Technology and Engineering, CAS
116	Jiang Kaili	Male	Associate professor	Tsinghua University
117	Yang Wensheng	Male	Professor	Jilin University
118	Huang Yunhui	Male	Professor	Huazhong University of Science and Technology
119	Cao Xueqiang	Male	Research professor	Changchun Institute of Applied Chemistry, CAS
120	Zhang Wenqing	Male	Research professor	Shanghai Institute of Ceramics, CAS
121	Gu Changzhi	Male	Research professor	Institute of Physics, CAS
122	Xie Xiaolin	Male	Professor	Huazhong University of Science and Technology
123	Zhang Suobo	Male	Research professor	Changchun Institute of Applied Chemistry, CAS
124	Chen Daoyong	Male	Professor	Fudan University
125	Zhang Xiaohong	Male	Research professor	Technical Institute of Physics and Chemistry, CAS
126	Sun Baode	Male	Professor	Shanghai Jiaotong University
127	Zhang Haifeng	Male	Research professor	Institute of Metal Research, CAS
128	Wang Mingyang	Male	Professor	PLA University of Science and Technology
129	Lu Xinchun	Male	Research professor	Tsinghua University
130	Jiao Zongxia	Male	Professor	Beihang University
131	Shao Xinyu	Male	Professor	Huazhong University of Science and Technology
132	Zhang Xianmin	Male	Professor	South China University of Technology
133	Xu Xipeng	Male	Professor	Huaqiao University
134	Qiu Limin	Male	Professor	Zhejiang University

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Table 5-11

	Name	Gender	Professional title	Affiliation
135	Liao Qiang	Male	Professor	Chongqing University
136	Xu Jinliang	Male	Research professor	Guangzhou Institute of Energy Conversion, CAS
137	Xia Changliang	Male	Professor	Tianjin University
138	Hu Hongying	Male	Professor	Tsinghua University
139	Li Aimin	Male	Professor	Nanjing University
140	Huang Maosong	Male	Professor	Tongji University
141	Liu Hanlong	Male	Professor	Hehai University
142	Yuan Shouqi	Male	Research professor	Jiangsu University
143	Wang Junhong	Male	Professor	Beijing Jiaotong University
144	Xia Mingyao	Male	Professor	Peking University
145	Hu Weisheng	Male	Professor	Shanghai Jiaotong University
146	Liao Guisheng	Male	Professor	Xidian University
147	Zhou Kun	Male	Professor	Zhejiang University
148	Zheng Qinghua	Male	Professor	Xi'an Jiaotong University
149	Yin Baocai	Male	Professor	Beijing University of Technology
150	Hu Weiming	Male	Research professor	Institute of Automation, CAS
151	Chen Guihai	Male	Professor	Nanjing University
152	Liu Chenglin	Male	Research professor	Institute of Automation, CAS
153	Li Shaoyuan	Male	Professor	Shanghai Jiaotong University
154	Gao Huijun	Male	Professor	Harbin Institute of Technology
155	Zhang Huanshui	Male	Professor	Shandong University
156	Fang Jiancheng	Male	Professor	Beihang University
157	Li Yuanqing	Male	Professor	South China University of Technology
158	Lu Hai	Male	Professor	Nanjing University
159	Wang Bogen	Male	Professor	Nanjing University
160	Liu Ming	Female	Research professor	Institute of Microelectronics, CAS
161	Xia Ke	Male	Research professor	Institute of Physics, CAS
162	Luo Xiangang	Male	Research professor	Institute of Optics and Electronics, CAS
163	Cheng Ya	Male	Research professor	Shanghai Institute of Optics and Fine Mechanics, CAS
164	Wang Yongsheng	Male	Professor	Beijing Jiaotong University
165	Fan Ying	Female	Research professor	Institute of Policy and Management, CAS
166	Li Zhongfei	Male	Professor	Zhongshan University
167	Zhang Shunming	Male	Professor	Xiamen University
168	Zhou Yong	Male	Research professor	Academy of Mathematics and Systems Sciences, CAS
169	Zhang Weiguo	Male	Professor	South China University of Technology
170	Ma Chaoqun	Male	Professor	Hunan University

National Science Fund for Distinguished Young Scholars (with foreign Citizenship)

In 2008, 44 young scholars applied for the National Science Fund for Distinguished Young Scholars (with foreign Citizenship). After review by experts, 10 were awarded. The total funding reached 19.4 million yuan.

List of 2008 National Science Fund for Distinguished Young Scholars (with Foreign Citizenship)

Table 5-12

	Name	Gender	Nationality	Professional title	Host institution
1	Gao Shiwu	Male	Sweden	Research professor	Institute of Physics, CAS
2	Cheng Xu	Male	Germany	Professor	Shanghai Jiaotong University
3	Shi Yigong	Male	America	Professor	Tsinghua University
4	Zhu Yichun	Male	Singapore	Professor	Fudan University
5	Liu Qiang	Male	America	Professor	Zhongshan University
6	Du Jie	Male	America	Professor	Capital Medical University
7	Yuan Donglian	Male	America	Research professor	Institute of Oceanology, CAS
8	Shen Youqing	Male	Canada	Professor	Zhejiang University
9	Li Liang	Male	America	Professor	Huazhong University of Science and Technology
10	Mao Jiye	Male	Canada	Professor	Renmin University of China

Joint Research Fund for Overseas Chinese, and Hong Kong and Macao Scholars

In order to take advantages of overseas (including Hong Kong and Macao) resources of science and technology and encourage excellent overseas talents to work for the mainland, NSFC has set up the Joint Research Fund for Overseas Chinese, and Hong Kong and Macao Scholars in 2008 by combining the projects of the Joint Research Fund for Young Overseas Chinese Scholars and the Joint Research Fund for Young Hong Kong and Macao Scholars with the “Two-base” projects in the category of international cooperation and exchange program. In 2008, 370 applications were received, and, after expert evaluation, 79 people were funded, with a funding of 15.8 million yuan.

Science Fund for Creative Research Groups

In 2008, relevant ministries and commissions recommended 85 candidates applying for the Science Fund for Creative Research Groups. After peer review, panel evaluation and approval of NSFC Council meeting, 28 groups were supported with a total funding of 138.50 million yuan.

Awards for the Science Fund for Creative Research Groups in 2008

Table 5-13

(Unit: 10,000 yuan)

	PI	Professional title	Home institution	Funding
1	Han Jiecai	Thermo mechanical coupling problems in composite materials for hypersonic aircrafts	Harbin Institute of Technology	500
2	Jing Yipeng	Galaxy formation and galactic activities	Shanghai Observatory, CAS	500
3	Fang Zhong	Computation and theoretical studies on new quantum phenomena in condensed matters	Institute of Physics, CAS	500
4	Wu Yueliang	Theoretical studies on deep structure of matter and early evolution of cosmos	Institute of Theoretical Physics, CAS	500
5	Chen Xiaoming	Super molecular chemistry and crystal engineering of functional metal complexes	Zhongshan University	500
6	Tang Yong	Studies on the activation of chemical bond and controlled reorganization	Shanghai Institute of Organic Chemistry, CAS	500
7	Wan Lijun	Studies on physical chemistry of molecular assembly structures	Institute of Chemistry, CAS	500
8	Chen Jianfeng	Reaction process strengthening	Beijing University of Chemical Technology	500
9	Wang Xian	Metabolic syndrome and angiopathy	Peking University	500
10	Ma Lan	Mechanism of psychotropic drug addiction and memory	Fudan University	500
11	Zhang Fusuo	Mechanism of root adjustment for effective use of nutrition of crops	China Agricultural University	500
12	Han Bin	Comparisons of japonica and hsien rice and studies on functional genomics of important agricultural properties	Shanghai Institutes for Biological Sciences, CAS	500
13	Deng Zixin	Molecular mechanism of synthesis and decomposition of important microorganisms	Shanghai Jiaotong University	500
14	Tan Renxiang	Molecules of natural drug materials and properties of their new functions	Nanjing University	500
15	Zhong Kang	Plant cell differentiation and organogenesis	Institute of Botany, CAS	500
16	Ma Wei	Permafrost and cold region engineering	Cold and Arid Regions Environmental and Engineering Research Institute, CAS	500
17	Zhang Lifei	Metamorphism and orogenic evolution	Peking University	500
18	Zeng Yongping	Regional environmental geochemical process of organic pollutants	Guangzhou Institute of Geochemistry, CAS	500
19	Yu Zhiming	Process and mechanism of typical marine ecosystems in China	Institute of Oceanography, CAS	500
20	Tian Yongjun	Design principle, experimental synthesis and structure control of new meta stable materials	Yanshan University	500
21	Ren Nanqi	Laws and techniques of urban water quality change	Harbin Institute of Technology	500
22	Lin Zhongqin	Digital design of complex equipment	Shanghai Jiaotong University	500
23	Chen Lidong	Studies on high performance composite inorganic energy transformation materials	Shanghai Institute of Ceramics, CAS	500
24	Meng Luoming	Network theory and technology of communication systems	Beijing University of Post and Telecommunications	500
25	Gao Xiaoshan	Mathematical mechanization methods and its application in information technology	Academy of Mathematics and Systems Science, CAS	500
26	Mei Hong	Studies on the basic theory, method and technology of high confidence software	Peking University	500
27	Zhang Jing	Studies on quantum optics and photonic devices	Shanxi University	500
28	Liang Liang	Coordination and optimization and risk management of distributed system	University of Science and Technology of China	350

National Science Fund for Talent Training in Basic Science

In 2008, 78 applications for the National Science Fund for Talent Training in Basic Science were received, and the amount of funding requested was 176.4345 million yuan.

After preliminary review, peer review and panel evaluation, and approved by the third meeting of the third management committee of the National Science Fund for Talent Training in Basic Science, 44 projects in 37 bases were supported. Among them, 12 projects are for infrastructure, 14 projects for capacity building (research training), 6 for capacity building (field practice) and 12 for training of backbone teachers. In addition, 100,000 yuan was granted to the Sixth National University Student Chemistry Experiment Competition. The total funding is 51.80 million yuan.

National Science Fund for Talent Training in Basic Science in 2008

Table 5-14

Discipline	Project Base	Infrastructure	Capacity building	
			Research training	Field practice
Mathematics		Mathematics base, Fudan University	Mathematics base, Nanjing University	
		Mathematics base, Xi'an Jiaotong University	Mathematics base, Zhejiang University	
Physics		Physics base, Tsinghua University	Physics base, Wuhan University	
		Physics base, Northwest University	Physics base, Sichuan University	
		Science class, Nanjing University	Physics base, Beijing Normal University	
Chemistry		Chemistry base, Fuzhou University	Chemistry base, Zhengzhou University	
		Chemistry base, Sichuan University	Chemistry base, Zhejiang University	
			Chemistry base, Hunan University	
			Chemistry base, Northwest University	
Geosciences		Geoscience base, Northwest University	Geology base, China University of Geosciences (Wuhan)	Geology base, Nanjing University
			Geography base, Fujian Normal University	Geography base, Huadong Normal University
Biology		Biology base, Huazhong Agricultural University	Biology base, Northeast Normal University	Biology base, Beijing Normal University and other 5 five universities
		Biology base, Sichuan University		Biology base, Xiamen University
				Biology base, Lanzhou University, and biology base, Sichuan University
				Biology base, Northeast Forest University, and biology base, Northeast Normal University
Basic medicine and psychology		Basic medicine base, Sichuan University	Psychology base, Beijing Normal University	
		Basic medicine base, Zhejiang University	Pharmacology base, Peking University	

5.3 Funds for Research Infrastructure and Environment Programs

Fund for Basic Research on Scientific Instruments in 2008

In 2008, 139 applications for the Fund for Basic Research on Scientific Instruments were received. After peer review, panel evaluation and approval of NSFC Council meeting, 25 projects were supported with a total funding of 30 million yuan.

Projects Funded in the Fund for Basic Research on Scientific Instruments in 2008

Table 5-15

(Unit: 10,000 yuan)

	Project title	Applicant	Professional title	Home institution	Funding
1	Development of nondestructive testing devices for elastic properties of small testing materials based on ultrasonic microscopic technology	He Cunfu	Professor	Beijing University of Technology	140.00
2	Research and development of ion beam polishing devices	Guo Weiyuan	Research professor	Nanjing Institute of Astronomical and Optimal technology, CAS	175.00
3	Studies on nano/micro optical detection methods and imaging systems	Shang Guangyi	Professor	Beihang University	100.00
4	Ten meter fountain high precision atomic interferometer	Zhan Mingsheng	Research professor	Wuhan Institute of Physics and Mathematics, CAS	150.00
5	Development of radioactive nuclear beam experiment forward facing multi neutron association spectrometer	Ge Yucheng	Senior engineer	Peking University	120.00
6	Inferred spectroscopic devices for the measurement of semi transparent inferred substrate surface ultra thin membrane and trace impurities in substrate	Xiao Shoujun	Professor	Nanjing University	100.00
7	Development of low temperature scanning thermoelectric microscope	Li Jianlong	Associated professor	Peking University	125.00
8	Development of lens and mirror multi functional needle tip enhanced Raman instruments for cell biology and nano system research	Ren Bin	Professor	Xiamen University	140.00
9	Surface plasma resonance technology based on integrated electro chemical methods and its application in material electro-chemistry	Niu Li	Research professor	Changchun Institute of Applied Chemistry, CAS	100.00
10	Development of new instruments for light induced electro-chemical analysis	Zhang Shusheng	Professor	Qingdao University of Science and Technology	110.00
11	Development of wireless magnetic transducers	Yao Shouzhao	Professor	Hunan University	120.00

Table 5-15

(Unit: 10,000 yuan)

	Project title	Applicant	Professional title	Home institution	Funding
12	Development of new open field desorption ionization technology and devices	ZaipaerAbulizi	Research professor	Chinese Academy of Medical Sciences	110.00
13	Development of independent recording catadioptric seismic instrument systems	Fang Shengming	Research professor	Center of Geophysics Exploration, China Seismology Bureau	100.00
14	Basic research on wide area electromagnetic depth measurement devices	He jishan	Professor	Zhongnan University	130.00
15	Research on basic theories of ship borne vector hydrophone applications	Yang Desen	Professor	Harbin Engineering University	130.00
16	Development of laser synthesis wavelength nano displacement measurement interferometer	Chen Benyong	Professor	Zhejiang University of Science and Technology	110.00
17	Studies on key technical problems in high temperature gradient targeted condensation experimental devices	Liu Lin	Professor	Northwestern Polytechnic University	140.00
18	Fast integrated measurement system for the measurement of thermo physical properties of casting alloy melt and forming characteristics	Li Dayong	Professor	Harbin University of Science and Technology	100.00
19	Studies on multi functional devices for the measurement of semiconductor nano membrane thermo electric transport properties	Yang Junyou	Professor	Huazhong University of Science and Technology	120.00
20	Studies on large scale parallel sampling, processing and ultra wide digital storage oscilloscopes	Wang Houjun	Professor	University of Electronic Science and Technology of China	110.00
21	Studies on a new type of automatic camera without mydriasis fundus and its remote consultation system	Yu Lun	Professor	Fuzhou University	100.00
22	Large field tracking enhanced reality helmet display system	Wang Yongtian	Professor	Beijing Institute of Technology	120.00
23	Development of in situ semiconductor nanostructure integrated testing system	Kang Junyong	Professor	Xiamen University	130.00
24	Modern medical ultrasonic endoscopes	Yu Daoyin	Professor	Tianjin University	100.00
25	Two mirror, three mirror laser resonator nano measurement devices	Li Yan	Professor	Tsinghua University	120.00

Special Funding for Scientific Activities of the Youth

Funding for Scientific Activities for the Youth in 2008

Table 5-16

(Unit: 10,000 yuan)

	Activities	Home institution	Funding
1	20 th International Informatics Olympiad	China Computer Federation	7
2	48 th International Mathematics Olympiad	Chinese Mathematics Society	7
3	38 th International Physics Olympiad	Chinese Physical Society	7
4	40 th International Chemistry Olympiad China	Chemical Society	7
5	9 th International Biology Olympiad	China Zoological Society	7
6	International Astronomy Olympiad	Beijing Observatory	7
7	Project of Young Innovative Talent Fostering, CAST	Science Center for the Youth, CAST	40
8	23 rd National Competition of Youth Scientific Innovation	Science Center for the Youth, CAST	20
9	Participating in the 59 th International Science and Engineering Competition	Science Center for the Youth, CAST	15
10	Program of Early Fostering of Research Talents	Science Center for the Youth, CAST	48
11	Cultivation of Psychological Quality of Youth in Science Competitions and Training of Teachers' Ability of Psychological Tutoring	Institute of Popularization of Science of China	10
12	Summer School of Nuclear Energy Science and Technology	Tsinghua University	20
13	Summer School of National Graduate Students of Nursing	Chinese Academy of Medical Sciences	20
14	Summer School of Graduate Students of Molecular Biology	Nankai University	20
15	Summer School of Graduate Students of Optics	Jilin University	20
16	Summer School of Graduate Students of Power Engineering and Engineering Thermo Physics, 2008	Harbin Institute of Technology	20
17	Summer School of Differential Geometry and Mathematical Physics	Fudan University	20
18	Summer School of Graduate Students of Psychological Aid	Zhejiang University	40
19	Summer School of National Graduate Students of Geological Disaster Prevention and Controls	China University of Geosciences (Beijing)	40
20	Summer School of Graduate Students of Modern Biotechnology and Digital Agriculture	Nanjing Agricultural University	20
21	Summer School of National Graduate Students of Biochemistry and Molecular Biology	Graduate School of CAS	20
22	Summer School of Graduate Students of Modern Surgical Frontiers	2 nd Military Medical University of the PLA	20
23	Summer School of National Graduate Students of Ultrasonic Therapy	Chongqing Medical University	25
24	Summer School of International Graduate Students of Deep Ocean Earth and Life Science Frontier Research	Ocean University of China	10
25	Summer School of National Graduate Students of Brain Function and Neural Information	University of Electronic Science and Technology of China	10
26	Coordinated Scientific Innovation of Youth	Southeast University	10
27	Program of Early Talent Training of CAS (Beijing)	Communication Center for Astronomy, Geology and Biology, CAS	40
28	Program of Early Talent Training of CAS (Western part of China)	Kunming Institute of Botany, CAS	10
29	Summer School of Graduate Students of Molecular Medicine, 2009	Zhejiang University	20
30	Summer School of Graduate Students of General Theory of Relativity, 2009	Huazhong University of Science and Technology	20
31	Summer School of Graduate Students of Particle Physics and Nuclear Physics, 2009	Graduate School, CAS	20
Total			600

Scientific Activities for the Youth

Medals Won in the Science Olympiads in 2008

Table 5-17

(Unit: 10,000 yuan)

Discipline	Term	Place	Team members	Gold medal	Silver medal	Bronze medal
Mathematics	49	Spain	6	5	1	0
Physics	39	Vietnam	5	5	0	0
Chemistry	40	Hungary	4	4	0	0
Biology	19	India	4	2	2	0
Informatics	20	Egypt	4	3	1	0
Total			23	19	4	0

Special Fund

Fund for Public Understanding of Science

In 2008, 14 applications were recommended by five NSFC scientific departments for the Fund for Public Understanding of Science. After panel evaluation and the approval by NSFC Council meeting, 9 were funded with a total funding of 2 million yuan. Among them, five were TV programs with a funding of 1.3 million yuan, one popular science exhibition with a funding of 200,000 yuan and 3 projects of popular science books with a funding of 500,000 yuan.

Special Fund for Key Academic Journals

In 2008, 58 applications were received for the Special Fund for Key Academic Journals. The relevant departments of NSFC made preliminary review and organized panel evaluation. The panel used the following criteria:

1. Main indicators of the journal: search data of JCR, CJCR of the Institute S&T Information of China and CSCD of CAS Information Center (such as impact factor, total number of citations, etc.);
2. International competitiveness of the journal: disciplinary advantage and academic influence, editorial board composition, paper submission (including international submission), review system, search by domestic and international databases, and citations;
3. Potentials for future development of the journal: development in recent years, editorial staff, basic conditions of publication, quality of editing and publishing, network services and previous funding status.

Thirty-one journals were funded, and the funding was different for different journals, ranging from 80,000 yuan, 100,000 yuan to 120,000 yuan. The total funding was 7 million yuan for 2 years.

Table 5-18

(Unit: 10,000 yuan)

	Math. and Physics	Chemistry	Life science	Earth science	Eng. and materials science	Information science	Management science	General	Total
Project number	5	5	10	3	4	2	1	1	31
Funding	108	120	228	68	88	44	20	24	700

NSFC President Fund

Projects of NSFC President Fund in 2008

Table 5-19

(Unit: 10,000 yuan)

Department	Number of projects	Funding
Department of Mathematical and Physical Sciences	4	77
Department of Chemical Sciences	9	110
Department of Life Sciences	13	196
Department of Earth Sciences	1	50
Department of Engineering and Materials Sciences	2	40
Department of Information Sciences	7	150
Department of Management Sciences	1	15
Bureau of Planning	4	600
General Office of NSFC	5	150
Total	46	1,388

NSFC Department Directors' Fund

Projects of NSFC Department Directors' Fund in 2008

Table 5-20

(Unit: 10,000 yuan)

Department	Number of projects	Funding
Department of Mathematical and Physical Sciences (including Tianyuan Fund of Mathematics and Special Fund for Theoretical Physics)	213	1,303
Department of Chemical Sciences	49	348
Department of Life Sciences	115	1,058
Department of Earth Sciences	26	455
Department of Engineering and Materials Sciences	62	544
Department of Information Sciences	42	398
Department of Management Sciences	46	418
Total	553	4,524

Tianyuan Fund of Mathematics

In 2008, 682 applications were received for Tianyuan Fund of Mathematics, and 112 were funded with a funding of 5 million yuan. Among them, 329 applications were for the projects of Young Mathematicians, and 73 projects were funded with a funding of 2.19 million yuan. To encourage collaborative research with scientists in other disciplines, research on problem driven applied mathematics was launched in 2008, and 313 applications were received and 11 were funded with a funding of 1 million yuan. 28 applications were for other projects within the Tianyuan Fund of Mathematics, and 30 were funded with a funding of 1.87 million yuan.

Special Fund for Theoretical Physics

In 2008, the academic steering committee of the Special Fund for Theoretical Physics approved funding for 1 project each in the Studies in Frontier Development of Modern Theoretical Physics of Professor T.D. Lee and C.N. Yang, respectively, 5 projects in the East and West Cooperation, 67 projects of Post-doc Research Initiation, and a number of projects of Peng Hengwu Forum of Theoretical Physics, Summer School of Frontiers in Theoretical Physics and Lectures of Theoretical Physics in the West, etc. The total funding is 4.84 million yuan.

Projects of International (Regional) Cooperation and Exchange

Projects of International (Regional) Cooperation and Exchange in 2008

Table 5-21

(Unit: 10,000 yuan)

Project type	Number of projects	Funding
Cooperation and exchange	79	174.3000
Cooperation and exchange (under MoU)	456	1,785.0852
Academic conferences in China	343	1,450.3000
Fees for international organizations	1	355.4928
Special fund for overseas scholars	14	42.9000
Total	893	3,808.0780