

# **<sup>i</sup>Criteria for Award of Postgraduate Degrees at Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO)**

The Criteria of Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO) for Award of Postgraduate Degrees is hereby formulated after discussion and decision by the SINANO Degree Committee according to the requirements of the state and USTC for postgraduate training and in combination with the disciplinary characteristics of SINANO.

The Criteria should be implemented from the postgraduates of Y2022 and applicable to foreign and domestic postgraduates.

## **Electronic Science and Technology**

### **I. Compulsory Requirements**

1. International academic exchange: Before applying for a doctorate degree, a doctoral candidate must have the experience in international academic exchange including international academic conferences, study visits to or collaborative research in overseas research institutions, or joint training programs. After completing the international academic exchange, the doctoral candidate should submit the relevant supporting documents to the Graduate Education Department in time.
2. Academic exchange: In the doctoral program duration, a doctoral candidate must attend at least one national or international academic conference in the form of oral paper presentation or poster paper exchange.
3. Evaluation of dissertation prospectus: A doctoral candidate must make an argument for his or her dissertation topic and research approach, as well as prepare a dissertation prospectus prior to carrying out research on the dissertation. An evaluation group, consisting of five experts (including at least three professors) of the discipline or the related discipline should hear and evaluate the dissertation prospectus of the doctoral candidate.

4. Pre-defense: Pre-defense of doctoral dissertation should be organized once every six months, and a doctoral candidate must have took part in a pre-defense six months before applying for a doctorate degree. The pre-defense adopts the elimination system. A doctoral candidate who has passed the pre-defense may apply for the doctoral degree.

5. Other compulsory requirements: Before applying for a master's or doctorate degree, a candidate must have passed the courses for scientific research literacy education offered by the school and attended at least one May Fourth Youth Academic Exchange held by the school and one of the lectures organized by the Graduate Education Department.

## **II. Requirements for Scientific Research Ability**

### **2.1 Requirements for Academic Achievements of Doctoral Candidates**

Quality and quantity of achievements (satisfying any one of the following items):

(1) One academic paper of Grade A;

(2) Two achievements of Grade B;

(3) One achievement of Grade B and two achievements of Grade C.

In short: 1A or 2B or 1B+2C. Criteria for Grades A, B and C:

Grade A: Academic papers (excluding reviews, the same below) published or accepted in one of journals or international conference proceedings recognized by the SINANO Degree subcommittee;

Journals: International journals included in CAS or JCR Zone 1 or 2, or some IEEE Trans. and ACM Trans. journals recognized by the SINANO Degree subcommittee (see Annex 1).

Conferences: Some of the top international academic conferences (see Annex 2);

Grade B: Academic papers published or accepted in one of the international academic journals recognized by the SINANO Degree subcommittee, or patents;

Journals: CAS or JCR or EI foreign-language journals;

Patents: Invention patents granted in foreign countries;

Grade C: Academic papers published or accepted in one of the academic journals or important conference proceedings recognized by the SINANO Degree subcommittee, or patents;

Journals: CAS or JCR or EI Chinese language journals or some GCJC (see the journals marked “\*” in Annex 3);

Conferences: CAS or JCR or EI international conference proceedings;

Patents: Invention patents granted in China.

2.2 Requirements for Academic Achievements of Master's Candidates (satisfying one of the following items)

2.2.1 Before applying for a master's degree, a master's candidate must have at least one academic paper (excluding reviews, the same below) related to the thesis published or accepted in any of the following academic journals recognized by the SINANO Degree subcommittee:

(1) CAS, JCR, EI, ISTP and CSCD journals;

(2) Foreign academic journals in English;

(3) Journals included in the List of Domestic Journals (Annex 3) recognized by the SINANO Degree subcommittee.

2.2.2 Having won a state-level sci-tech achievement award (among the first five winners) or a provincial or ministerial-level sci-tech achievement award (among the first three winners), or obtained an invention patent (granted or disclosed) with Suzhou Institute of Nano-Tech and Nano-Bionics of CAS or School of Nano-Tech and Nano-Bionics of USTC as the first achiever institution is equivalent to one academic paper published in an academic journal. The identification of academic achievements may not replace the publication of academic papers.

2.2.3 Having an academic paper collected in the proceedings of a regular international conference (with an ISBN number).

2.3 Requirements for Authors and Contents of Achievements

Academic paper: An academic paper used for degree application must have the degree applicant as the first author (the Supervisor is not counted) and Suzhou Institute of

Nano-Tech and Nano-Bionics of CAS or School of Nano-Tech and Nano-Bionics of USTC as the first signing institution, and its contents be related to the thesis or dissertation.

Patent: An invention patent must have the degree applicant as the first inventor (the Supervisor is not counted) and Suzhou Institute of Nanotechnology and Nano-Bionics of CAS as the first patentee, and its contents be related to the thesis or dissertation.

## 2.4 Supplementary Explanation

About co-first authors: An academic paper, which is related to the thesis or dissertation, has a postgraduate as the second co-first author and has been published in a journal included in the List of Top International Academic Journals (see Annex 4) recognized by the Degree subcommittee, is equivalent to an academic achievement of Grade A; in a journal included in the List of High-level International Academic Journals (see Annex 5), equivalent to an academic achievement of Grade B; and in an unspecified journal, should not be used for degree application. An academic paper with a postgraduate as the third or after co-first author should not be used for degree application. A postgraduate may use not more than one academic paper as the second co-first author for degree application, and an academic paper can only be used by one postgraduate for degree application.

# Chemistry, Materials Science and Engineering

## I. Compulsory Requirements

1. International academic exchange: A doctoral candidate must attend at least one international academic conference, make at least one short-term overseas study visit, or take and pass the specialized courses taught in English offered by USTC. After the international academic conference or short-term overseas study visit, the candidate should submit relevant supporting documents to the Postgraduate Education Department in time.
2. Academic lecture: In the doctoral program duration, a doctoral candidate must attend at least 15 academic lectures and submit his/her summary of academic lecture

to the Supervisor and the Postgraduate Education Department within 3 days after the lecture, and give at least one academic lecture at a postgraduate academic forum or salon or a foreign or domestic academic conference and submit relevant supporting documents to the Postgraduate Education Department in time.

3. Evaluation of dissertation prospectus: A doctoral candidate must make an argument for his or her dissertation topic and research approach, as well as prepare a dissertation prospectus prior to carrying out research on the dissertation. An evaluation group, consisting of five experts (including at least three professors) of the discipline or the related discipline should hear and evaluate the dissertation prospectus of the doctoral candidate.

4. Pre-defense: Pre-defense of doctoral dissertation should be organized once every six months, and a doctoral candidate must have took part in a pre-defense six months before applying for a doctoral degree. The pre-defense adopts the elimination system. A doctoral candidate who has passed the pre-defense may apply for the doctoral degree.

5. Other compulsory requirements: Before applying for a master's or doctorate degree, a candidate must have passed the courses for scientific research literacy education offered by the school and attended at least one May Fourth Youth Academic Exchange held by the school and one of the lectures organized by the Graduate Education Department.

## **II. Requirements for Scientific Research Ability**

### **2.1 Requirements for Academic Achievements of Doctoral Candidates**

2.1.1 Before applying for a doctorate degree, a doctoral candidate must have at least two academic papers (excluding reviews, the same below) related to the dissertation published or accepted in one of the academic journals (see Annex 6) recognized by the SINANO Degree Management Committee, as the first author (the Supervisor is not counted), including at least one published in any high-level journal (see Annex 7).

2.1.2 Having published an academic paper by a doctoral candidate as the first author related to the dissertation in Science, Nature or their sub-journals, PNAS, PRL, JACS, Angew. Chem. Int. Ed., Adv. Mater. or Energ. Environ. Sci. is equivalent to satisfying

#### Clause 2.1.2.

2.1.3 Having won a state-level sci-tech achievement award (among the first five winners) or a provincial or ministerial-level sci-tech achievement award (among the first three winners) with Suzhou Institute of Nano-Tech and Nano-Bionics of CAS or School of Nano-Tech and Nano-Bionics of USTC as the first achiever institution is equivalent to one academic paper published in an academic journal (see Annex 6).

2.1.4 Having published an academic monograph (among the first three authors and with a total of more than 25,000 words independently contributed) is equivalent to one academic paper published in an academic journal (see Annex 6).

2.1.5 Papers published by a doctoral candidate in journal supplements are generally not recognized.

2.2 Requirements for Academic Achievements of Master's Candidates (satisfying one of the following items)

2.2.1 Before applying for a master's degree, a master's candidate, as the first author (the Supervisor is not counted), must have at least one academic paper related to the thesis published or accepted in an academic journal recognized by the SINANO Degree Management Committee.

2.2.2 Having won a state-level sci-tech achievement award (among the first five winners) or a provincial or ministerial-level sci-tech achievement award (among the first three winners) with Suzhou Institute of Nano-Tech and Nano-Bionics of CAS or School of Nano-Tech and Nano-Bionics of USTC as the first achiever institution is equivalent to one academic paper published in an academic journal recognized by the SINANO Degree Management Committee (see Annex 6).

2.2.3 Having an invention patent granted as the first inventor (the Supervisor is not counted) with the patent application officially disclosed or the patent certificate issued is equivalent to one academic paper published in an academic journal recognized by the SINANO Degree Management Committee (see Annex 6).

2.3 Requirements for Authors and Contents of Achievements

Academic paper: An academic paper used for degree application must have the degree applicant as the first author (the Supervisor is not counted) and Suzhou Institute of Nano-Tech and Nano-Bionics of CAS or School of Nano-Tech and Nano-Bionics of USTC as the first signing institution, and its contents be related to the thesis or dissertation.

Patent: An invention patent must have the degree applicant as the first inventor (the Supervisor is not counted) and Suzhou Institute of Nanotechnology and Nano-Bionics of CAS as the first patentee, and its contents be related to the thesis or dissertation.

## 2.4 Supplementary Explanation

About co-first authors: An academic paper, which is related to the thesis or dissertation, has a postgraduate as the second co-first author and has been published in a journal included in Science, Nature or their sub-journals, PNAS, PRL, JACS, Angew. Chem. Int. Ed., Adv. Mater. or Energ. Environ. Sci. is equivalent to an academic paper published in a CAS or JCR Zone Q2 journal; in CS Energy Lett., Nano Energy, Mater. Horiz., Adv. Sci., Adv. Funct. Mater., Nano Lett., or ACS Nano, equivalent to an academic paper published in a CAS or JCR journal;

And in an unspecified journal, should not be used for degree application. An academic paper with a postgraduate as the third or after co-first author should not be used for degree application. A postgraduate may use not more than one academic paper as the second co-first author for degree application, and an academic paper can only be used by one postgraduate for degree application.

## Biology

### I. Compulsory Requirements

1.1 Requirements for courses: Refer to the Implementing Regulations of USTC for Award of Master's and Doctoral Degrees. A postgraduate must submit the form of selected courses signed and approved by the Supervisor to the Postgraduate Education Department within the first three weeks of each semester, otherwise the course selection is invalid and the course credits are not be recorded.

1.2 Evaluation of dissertation prospectus: A doctoral candidate must make an

argument for his or her dissertation topic and research approach, as well as prepare a dissertation prospectus prior to carrying out research on the dissertation. An evaluation group, consisting of five experts (including at least three professors) of the discipline or the related discipline should hear and evaluate the dissertation prospectus of the doctoral candidate.

1.3 Academic lecture: A doctoral candidate must attend at least 10 academic lectures held by SINANO in the doctoral program duration.

1.4 International conference: A doctoral candidate must attend at least one international academic conference and provide the relevant records of poster presentation or lecture at the conference.

1.5 Pre-defense: Pre-defense of doctoral dissertation should be organized once every six months, and a doctoral candidate must have took part in a pre-defense six months before applying for a doctoral degree. The pre-defense adopts the elimination system. A doctoral candidate who has passed the pre-defense may apply for the doctoral degree.

1.6 Other compulsory requirements: Before applying for a master's or doctorate degree, a candidate must have passed the courses for scientific research literacy education offered by the school and attended at least one May Fourth Youth Academic Exchange held by the school and one of the lectures organized by the Graduate Education Department.

## **II. Requirements for Scientific Research Ability**

### **2.1 Requirements for Academic Achievements of Doctoral Candidates**

A doctoral candidate is entitled to application for a doctorate degree if satisfying one of the following prerequisites:

(1) Having one academic paper related to the dissertation published or accepted in an academic journal (CAS or JCR Zone 1 or 2 journal) recognized by the SINANO Degree Management Committee as the first author (the Supervisor is not counted).

(2) Having won a state-level sci-tech achievement award (among the first five winners) or a provincial or ministerial-level sci-tech achievement award (among the first three



winners) with Suzhou Institute of Nano-Tech and Nano-Bionics of CAS or School of Nano-Tech and Nano-Bionics of USTC as the first achiever institution, with the achievements recognized by the SINANO Degree Management Committee to meet the requirements for awarding a doctorate degree.

(3) The doctoral candidate has one invention patent granted, which is related to the dissertation, with the candidate as the first inventor or the Supervisor as the first inventors and the candidate as the second inventor, and the patent has made practical contributions to solving key technical problems in production practice and been transformed or industrialized and applied (the amount received by SINANO is not less than RMB 500,000 yuan). The achievements have been determined by the SINANO Degree Management Committee to meet the requirements for awarding a doctorate degree.

(4) The academic achievements presented in the dissertation have made important progress or contributions in breaking through key core technologies and solving major key problems, and been determined by the SINANO Degree Management Committee to meet the requirements for awarding a doctorate degree.

2.2 A master's candidate is entitled to application for a master's degree if satisfying one of the following prerequisites:

(1) Having one academic paper related to the thesis published in a CAS or JCR journal as the first author (the Supervisor is not counted).

(2) Having won a state-level or a provincial or ministerial-level sci-tech achievement award (among the first three winners) with Suzhou Institute of Nano-Tech and Nano-Bionics of CAS or School of Nano-Tech and Nano-Bionics of USTC as the first achiever institution, with the achievements recognized by the SINANO Degree Management Committee to meet the requirements for awarding a master's degree.

(3) The candidate has one invention patent related to the thesis with the application officially disclosed, with the candidate as the first inventor or the Supervisor as the first inventor and the candidate as the second inventor. The achievements have been determined by the SINANO Degree Management Committee to meet the requirements for awarding a master's degree.

(4) The academic achievements presented in the thesis have made important progress or contributions in breaking through key core technologies and solving major key problems, and been determined by the SINANO Degree Management Committee to meet the requirements for awarding a doctorate degree.

### 2.3 Requirements for Authors and Contents of Achievements

Academic paper: An academic paper used for degree application must have the degree applicant as the first author (the Supervisor is not counted) and Suzhou Institute of Nano-Tech and Nano-Bionics of CAS or School of Nano-Tech and Nano-Bionics of USTC as the first signing institution, and its contents be related to the thesis or dissertation, and at least one academic must have School of Nano-Tech and Nano-Bionics of USTC as the first signing institution.

Patent: An invention patent must have the degree applicant as the first inventor (the Supervisor is not counted) and Suzhou Institute of Nanotechnology and Nano-Bionics of CAS as the first patentee, and its contents be related to the thesis or dissertation.

### 2.4 Supplementary Explanation

About co-first authors: An academic paper, which is related to the thesis or dissertation, has a postgraduate as the second co-first author and has been published in a high-level journal (CAS or JCR Zone 1 journals of biology/medicine) recognized by the SINANO Degree Management Committee, is equivalent to an academic paper published in CAS Zone 2 journal; and in an unspecified journal, should not be used for degree application. An academic paper with a postgraduate as the third or after co-first author should not be used for degree application. A postgraduate may use no more than one academic paper as the second co-first author for degree application, and an academic paper can only be used by one postgraduate for degree application.

Annexes:

Annex 1 List of IEEE Trans. and ACM Trans. on Electronic Science and Technology  
Recognized by the SINANO Degree Subcommittee

Annex 2 List of Top International Conferences on Electronic Science and Technology  
Recognized by the SINANO Degree Subcommittee

Annex 3 List of Domestic Journals on Electronic Science and Technology Recognized  
by the SINANO Degree Subcommittee

Annex 4 List of Top Academic Journals on Electronic Science and Technology  
Recognized by the SINANO Degree Subcommittee

Annex 5 List of High-level Journals on Electronic Science and Technology  
Recognized by the SINANO Degree Subcommittee

Annex 6 List of Academic Journals of Chemistry and Materials on Chemistry and  
Materials Recognized by the SINANO Degree Subcommittee

Annex 7 List of High-level Journals on Chemistry and Materials Recognized by the  
SINANO Degree Subcommittee

## Annex 1

### **List of IEEE Trans. and ACM Trans. Journals on Electronic Science and Technology Recognized by the SINANO Degree Subcommittee**

序号	会议全名
1	IEEE Transactions On Electron Devices
2	IEEE Transactions On Power Electronics
3	IEEE Transactions on Pattern Analysis and Machine Intelligence
4	IEEE Transactions on Image Processing
5	IEEE Journal of Solid-State Circuits
6	IEEE Transactions on Signal Processing
7	IEEE Transactions on Circuit and System I/II
8	IEEE Transactions on Biomedical Engineering
9	IEEE Transactions on Very Large Scale Integration Systems
10	IEEE Transactions on Multimedia
11	IEEE Transactions on Cybernetics
12	ACM Transactions on Graphics
13	ACM Transactions on Multimedia Computing, Communications and Application
14	IEEE Journal of Emerging and Selected Topics in Power Electronics
15	IEEE Transactions on Industrial Electronics

## Annex 2

### **List of Top International Conferences on Electronic Science and Technology Recognized by the SINANO Degree Subcommittee**

编号	会议全名
1	IEEE International Electron Devices Meeting (IEDM)
2	International Workshop on Nitride Semiconductors
3	International Conference on Nitride Semiconductors
4	Asia-Pacific Workshop on Widegap Semiconductor
5	SPIE Photonics West
6	International Conference on Metal-Organic Vapor Phase Epitaxy
7	International Workshop on UV Materials and Devices
8	Compound Semiconductor Week (CSW)
9	International Symposium on Semiconductor Light Emitting Devices (ISSLED) Symposium on Semiconductor Light Emitting Devices
10	International Symposium on Power Semiconductor Devices and ICs (ISPSD)
11	IEEE International Reliability Physics Symposium
12	Annual Conference on Neural Information Processing Systems
13	IEEE Conference on Computer Vision and Pattern Recognition
14	International Conference on Computer Vision
15	European Conference on Computer Vision
16	ACM International Conference on Multimedia
17	IEEE International Solid-State Circuits Conferences
18	International Symposium on Computer Architecture
19	IEEE International Symposium on Circuits and Systems
20	IEEE Asian Solid-State Circuits Conference

## Annex 3

**List of Domestic Journals on Electronic Science and Technology Recognized by  
the SINANO Degree Subcommittee**

序号	刊名	期刊号	主办单位
1	* 中国科学	1674-7216	中国科学院
2	* 中国工程科学	1009-1742	中国工程研究院
3	* 中国科学技术大学学报	0253-2778	中国科学技术大学
4	* 复旦学报（自然科学版）	0427-7104	复旦大学
5	* 浙江大学学报（理学版）	1008-9497	浙江大学
6	* 南京大学学报（自然科学版）	0469-5097	南京大学
7	* 中国科学院大学学报	2095-6134	中国科学院大学
8	* 电波科学学报	1005-0388	中国电子学会
9	* 电子测量与仪器学报	1000-7105	中国电子学会，中国仪器仪表学会
10	* 信号处理	1003-0530	中国电子学会，中国仪器仪表学会
11	* 微波学报	1005-6122	中国电学会微波专业学会，南京电子技术所
12	* 电路与系统学报	1007-0249	中科院广州电子技术研究所
13	* 固体电子学研究与进展	1000-3819	南京电子器件研究所
14	* 数据采集与处理	1007-0249	中国电子学会等
15	* 半导体学报	1000-3819	中国电子学会，中科院半导体研究所
16	* 微电子学	1004-3365	中国电子科技集团公司第二十四研究所
17	* 光电工程	1003-501X	中科院光电技术研究所
18	* 光电子·激光	1005-0086	国家自然科学基金委信息科学部，中国光学学会，天津理工学院
19	* 量子电子学报	1007-2276	中国光学学会基础光学专业委员会
20	* 声学技术	0253-2239	中国科学院声学研究所东海研究站、同济大学声学研究所、上海市声学学会和中船重工集团第 726 研究所

序号	刊名	期刊号	主办单位
21	* 中国超声医学杂志	1002-0101	中国科学技术信息研究所、中国超声医学工程学会
22	* 中国生物医学工程学报	0258-8021	中国生物医学工程学会
23	* 北京生物医学工程	1002-3208	北京市心肺血管疾病研究所、北京生物医学工程学会
24	* 中国医疗器械杂志	1671-7104	上海市医疗器械检测所
25	* 航天医学与医学工程	1002-0837	中国航天员科研训练中心
26	* 中华放射学杂志	1671-7104	中华医学会
27	* 人类工效学	1002-0837	中国人类工效学学会, 安徽三联事故预防研究所
28	* 信息与控制	1002-0411	中国自动化学会, 中国科学院沈阳自动化研究所
29	* 系统仿真学报	1004-731X	中国系统仿真学会, 航天科工集团 706 所
30	* 系统工程学报	1000-5781	中国系统工程学会
31	* 中国空间科学技术	1000-758X	中国空间技术研究院
32	* 现代雷达	1004-7859	南京电子技术研究所
33	* 小型微型计算机系统	1000-1220	中科院沈阳计算技术研究所
34	* 中文信息学报	1003-0077	中国中文信息学会, 中科院软件研究所
35	* 中国图象图形学报	1006-8961	中国图象图形学学会, 中科院遥感应用研究所
36	南开大学学报	0465-7942	南开大学
37	中国人民大学学报	1000-5420	中国人民大学
38	北京农业大学学报	1009-508X	北京农业大学
39	北京师范大学学报	0476-0301	北京师范大学
40	大连理工大学学报	1008-407X	大连理工大学
41	吉林大学学报	1671-5896 (信息科学版) 1671-5489 (理学版)	吉林大学
42	复旦学报·医学版	1672-8467	上海医科大学 复旦大学

序号	刊名	期刊号	主办单位
43	华东师范大学学报	1000-5560	华东师范大学
44	东南大学学报（英文版）	1003-7985	东南大学
45	厦门大学学报（自然科学版）	0438-0479	厦门大学
46	武汉大学学报	1671-8844 （工学版） 1671-8836 （理学版）	武汉大学
47	中山大学学报（自然科学版）	0529-6579	中山大学
48	四川大学学报（自然科学版）	0490-6756	四川大学
49	山东大学学报	1671-9352 （理学） 1672-3961 （工学版）	山东大学
50	兰州大学学报（自然科学版）	0455-2059	兰州大学
51	西北大学学报（自然科学版）	1000-274X	西北大学
52	重庆大学学报	1000-582X	重庆大学
53	北京交通大学学报	1673-0291	北京交通大学
54	北京工业大学学报	0254-0037	北京工业大学
55	中国科学基金	1000-8217	国家自然科学基金委
56	通信技术	1002-0802	信息产业部电子第三十研究所
57	数据通信	1002-5057	信息产业部数据通信科学技术研究所
58	光通信技术	1002-5561	信息产业部电子第三十四研究所
59	光纤与电缆及其应用技术	1006-1908	信息产业部电子第二十三研究所
60	信息安全与通信保密	1009-8054	信息产业部电子第三十研究所
61	无线电工程	1003-3106	中国电子学会遥感遥测遥控分会
62	电子对抗技术	1674-2230	中国电子科技集团公司第二十九研究所 电子对抗国防科技重点实验室
63	电信科学	1000-0801	中国通信学会
64	移动通信	1006-1010	广州通信研究所
65	无线通信技术	1003-8329	电信科学技术研究院



序号	刊名	期刊号	主办单位
66	电力电子技术	1000-100X	西安电力电子技术研究所
67	电工电能新技术	1003-3076	中科院电工研究所
68	水力发电学报	1003-1243	中国水力发电工程学会
69	真空电子技术	1002-8935	北京真空电子技术研究所
70	电子器件	1005-9490	东南大学、中国微米纳米技术学会
71	传感器与微系统	2096-2436	中国电子科技集团第四十九研究所
72	传感技术学报	1004-1699	教育部全国高校传感技术研究会, 东南大学
73	半导体技术	1003-353X	中国电子科技集团公司电子第十三研究所
74	电子技术	1000-0755	上海市电子学会, 上海市通信学会
75	电子测量技术	1002-7300	北京无线电技术研究所
76	电子技术应用	0258-7998	信息产业部电子第六研究所
77	微纳电子技术	1671-4776	中国电子科技集团公司第十三研究所
78	光电子技术	1005-488X	南京电子器件研究所
79	光电子技术与信息	1006-1231	中科院安徽光学精密机械研究所, 中国光学学会光电技术专业委员会
80	应用激光	1000-372X	上海市激光技术研究所
81	激光与红外	1001-5078	华北光电技术研究所
82	红外技术	1001-8891	昆明物理研究所、中国兵工学会夜视技术专业委员会
83	电子显微学报	1000-6281	中国物理学会
84	压电与声光	1004-2474	四川省压电与声光技术研究所
85	应用科学学报	0255-8297	上海大学、中科院上海技术物理研究所
86	上海生物医学工程	1006-1517	上海生物医学工程学会
87	生物医学工程研究	1672-6278	山东生物医学工程学会、山东省药学科学院
88	生物医学工程与临床	1009-7090	天津生物医学工程学会、天津医科大学第三中心医院
89	中国医学影像技术	1003-3289	中科院声学研究所
90	中国医学影像学杂志	1005-5185	中国医学影像技术研究会、北京医院
91	中国运动医学杂志	1000-6710	中国体育科学学会

序号	刊名	期刊号	主办单位
92	控制工程	1671-7848	东北大学
93	电光与控制	1671-637X	中国航空工业集团公司洛阳电光设备研究所
94	电气传动	1001-2095	天津电气传动设计研究所, 中国自动化学会
95	电气自动化	1000-3886	上海市自动化学会 上海电气自动化设计研究所
96	自动化与仪表	1001-9944	天津市工业自动化仪表研究所 天津市自动化学会
97	化工自动化及仪表	1000-3932	天华化工机械及自动化研究设计院
98	冶金自动化	1000-7059	冶金部自动化研究院
99	石油化工自动化	1007-7324	全国化工自控设计技术中心站, 中国石化集团公司自控设计技术中心站
100	自动化仪表	1000-0380	中国仪器仪表学会, 上海工业自动化仪表研究所
101	仪表技术	1006-2394	上海市仪器仪表学会等
102	电测与仪表	1001-1390	中国仪器仪表学会电磁测量信息处理仪器分会
103	中国计量	1006-9364	中国计量科学研究院
104	遥测遥控	2095-1000	中国航天科技集团公司第 704 研究所
105	测控技术	1000-8829	北京长城航空测控技术研究所
106	微电机	1001-6848	西安微电机研究所
107	中小型电机	1001-8085	上海电器科学研究所
108	微特电机	1004-7018	中国电子科技集团公司第二十一研究所
109	机电元件	1000-6133	四川华丰企业集团有限公司
110	航空电子技术	1006-141X	中国航空无线电电子研究所
111	航天控制	1006-3242	北京航天自动控制研究所
112	航天电子对抗	1673-2421	中国航天机电集团 8511 研究所
113	现代防御技术	1009-086X	中国航天科工集团公司第二总体设计部
114	战术导弹技术	1009-1300	中国航天科工飞航技术研究院、 航天导弹总体专业情报网
115	火控雷达技术	1008-8652	西安电子工程研究所
116	计算机科学	1002-137X	国家科技部西南信息中心
117	计算机应用与软件	1000-386X	上海市计算技术研究所, 上海计算机软件技术开发中心

序号	刊名	期刊号	主办单位
118	数值计算与计算机应用	1000-3266	中科院数学与系统科学研究院
119	微电子学与计算机	1000-7180	中国航天科技集团公司九院七七一所
120	计算机工程与科学	43-1258/TP	国防科技大学计算机学院
121	计算机工程	1000-3428	华东计算机技术研究所, 上海市计算机学会
122	计算机工程与应用	1002-8331	华北计算技术研究所
123	计算机系统应用	1003-3254	中科院软件研究所
124	计算机应用	1001-9081	中国科学院成都分院、四川省计算机学会
125	计算机仿真	1006-9348	中国航天科工集团公司第十七研究所
126	信息技术与网络安全	2096-5133	华北计算机系统工程研究所
127	高技术通讯	1002-0470	中国科学技术信息研究所
128	工程数学学报	1005-3085	西安交通大学
129	密码学报	2095-7025	中国密码学会, 北京信息科学技术研究院
130	信息网络安全	1671-1122	公安部第三研究所, 中国计算机学会计算机安全专业委员会
131	信息安全学报	2096-1146	中科院信息工程研究所, 科学出版社
132	人工晶体学报	1000-985X	中材人工晶体研究院
133	网络与信息安全学报	2096-109X	人民邮电出版社
134	神经科学通报	1673-7067	中国科学院、中国神经科学学会
135	雷达学报	2095-283X	中国科学院电子学研究所、中国雷达行业协会
136	国家科学评论 (英文)	2095-5138	中国科技出版传媒股份有限公司

Annex 4

**List of Top Academic Journals on Electronic Science and Technology Recognized  
by the SINANO Degree Subcommittee**

序号	刊物名称	期刊号
1	Nature	1476-4687
2	Science	1095-9203
3	Nature Photonics	1749-4893
4	Nature Materials	1476-4660
5	Nature Electronics	2520-1131
6	Science Advances	2375-2548
7	Light: Science & Applications	2047-7538
8	Advanced Materials	1521-4095
9	Advanced Functional Materials	1616-3028
10	Advances in Optics and Photonics	1943-8206
11	Physical Review Letters	1079-7114
12	Proceedings of the IEEE	1558-2256
13	Nature Communications	2041-1723
14	Laser & Photonics Reviews	1863-8899

## Annex 5

### **List of High-level Journals on Electronic Science and Technology Recognized by the SINANO Degree Subcommittee**

序号	刊物名称	期刊号
1	Advanced Photonics	2577-5421
2	ACS Photonics	2330-4022
3	Optica	2334-2536
4	Photonics Research	2327-9125
5	Optics Express	1094-4087
6	Applied Physics Letters	0003-6951
7	IEEE Journal of Selected Topics in Quantum Electronics	1077-260X
8	Applied Physics Express	1882-0786
9	Applied Surface Science	0169-4332
10	Journal of Physics D: Applied Physics	0022-3727
11	Advances Optical Materials	2195-1071
12	Optics Letters	1539-4794
13	Nanophotonics	2192-8606
14	IEEE Electron Device Letters	0741-3106
15	Semiconductor Science and Technology	1361-6641
16	ACS Applied Materials & Interfaces	1944-8252
17	IEEE Journal of The Electron Devices Society	2168-6734
18	Pattern Recognition	0031-3203
19	Neurocomputing	0925-2312
20	Optics Letter	1539-4794
21	Computer Vision and Image Understanding	1077-3142
22	Image and Vision Computing	0262-8856
23	Pattern Recognition Letters	0167-8655
24	IEEE Transaction on Signal Processing	1053-587X
25	IEEE Transaction on Circuit and System I/II	1549-8328/1549-7747
26	IEEE Transaction on Biomedical Engineering	0018-9294
27	IEEE Transactions on Very Large Scale Integration Systems	1063-8210

## Annex 6

**List of Academic Journals on Chemistry and Materials Recognized by the  
SINANO Degree Subcommittee**

序号	刊名	期刊号	主办单位	备注
1	中国科学 B 辑	1006-9240	中国科学院	
2	中国科学基金	1000-8217	国家自然科学基金委	
3	应用化学	1000-0518	中国化学会, 中科院长春应用化学研究所	
4	化学通报	0441-3776	中国化学会	
5	色谱	1000-8713	中国化学会, 中科院大连化学物理研究所	
6	感光科学与光化学	1000-3231	中科院理化技术研究所, 中国感光学会	
7	药学学报	0513-4870	中国药学会、中国医学科学院药物研究所	
8	无机材料学报	1000-324X	中科院上海硅酸盐研究所	
9	高分子材料科学与工程	1000-7555	中国石油化工股份有限公司科技开发部、国家自然科学基金委员会化学科学部等	
10	化学试剂	0258-3283	中国石油和化学工业联合会	
11	分子催化	1001-3555	中科院兰州化学物理研究所	
12	分析测试学报	1004-4957	中国分析测试协会	
13	中国腐蚀与防护学报	1005-4537	中国腐蚀与防护学会, 中科院金属研究所	
14	功能高分子学报	1008-9357	华东理工大学	
15	理化检验·化学分册	1001-4020	上海材料研究所	
16	膜科学与技术	1007-8924	中国蓝星(集团)总公司	
17	高校化学工程学报	1003-9015	浙江大学	
18	中国生物医学工程学报	0258-8021	中国生物医学工程学会	
19	辐射研究与辐射工艺学报	1000-3436	中国科学院上海应用物理研究所	
20	化工学报	0438-1157	中国化工学会、化学工业出版社	
21	分析实验室	1000-0720	中国有色金属学会、北京有色金属研	

序号	刊名	期刊号	主办单位	备注
			究总院	
22	明胶科学与技术	1004-9657	中国日用化工协会明胶分会	
23	中国医药杂志	1673-4777	中华医学会	
24	药物分析杂志	0254-1793	中国药学会	
25	离子交换与吸附	1001-5493	南开大学	
26	应用科学学报	0255-8297	上海大学	
27	分析仪器	1001-232X	中国仪器仪表行业协会, 北京市北分仪器技术有限责任公司	
28	化学反应工程与工艺	1001-7631	浙江大学联合化学反应工程研究所、上海石油化工研究院	
29	功能材料	1001-9731	国家仪表功能材料工程技术研究中心、重庆仪表材料研究所、中国仪器仪表学会仪表材料学会	
30	化学工程	1005-9954	中国华陆工程科技有限责任公司	
31	化工机械	0254-6094	天华化工机械及自动化研究设计院	
32	中国药物化学杂志	1005-0108	沈阳药科大学, 中国药学会	
33	同位素	1000-7512	中国核学会同位素学会	
34	高分子通报	1003-3726	中国化学会, 中国科学院化学研究所	
35	分析科学学报	1006-6144	武汉大学, 北京大学, 南京大学	
36	光谱实验室	1004-8138	中科院化工冶金研究所等	
37	水处理技术	1000-3770	杭州水处理技术研究开发中心有限公司	
38	感光材料	1673-8101	全国感光材料信息站	
39	现代化工	0253-4320	中国化工信息中心	
40	环境化学	0254-6108	中科院生态环境研究中心	
41	中草药	0253-2670	天津药物研究院, 中国药学会	
42	中国烟草学报	1004-5708	中国烟草学会	
43	烟草科技	1002-0861	中国烟草总公司郑州烟草研究院	
44	硅酸盐学报	0454-5648	中国硅酸盐学会	
45	中科院 JCR 期刊分区 1-4 区期刊			博士学位认定

序号	刊名	期刊号	主办单位	备注
				期刊



Annex 7

**List of High-level Journals on Chemistry and Materials Recognized by the  
SINANO Degree Subcommittee**

序号	刊物名称	期刊号	主办单位
1	中科院 JCR 期刊分区 1 区和 2 区期刊		
2	Metalomics	1756-5901	Royal Society of Chemistry
3	TALANTA	0039-9140	Elsevier
4	Analyst	0003-2654	Royal Society of Chemistry
5	ORGANIC & BIOMOLECULAR CHEMISTRY	1477-0520	Royal Society of Chemistry
6	JOURNAL OF PHYSICAL CHEMISTRY 系列		American Chemical Society
7	REVIEW OF SCIENTIFIC INSTRUMENTS	0034-6748	American Institute of Physics
8	POLYMER	0032-3861	Elsevier
9	INTERNATIONAL JOURNAL OF PHARMACEUTICS	0378-5173	Elsevier
10	JOURNAL OF COLLOID AND INTERFACE SCIENCE	0021-9797	Academic Press Inc.
11	JOURNAL OF THE EUROPEAN CERAMIC SOCIETY	0955-2219	Elsevier
12	JOULE	2542-4351	Cell Press
13	MATTER	2590-2385	Cell Press
14	CCS Chemistry	2096-5745	中国化学会

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