

# Criteria for Award of Postgraduate Degrees at Changchun Institute of Applied Chemistry (CIAC)

According to the requirements of USTC, only one criteria for award of degrees should be adopted by a uniform standard discipline which will be held by the degree subcommittee. The degree application of postgraduates of USTC should meet the following requirements:

**I. The transitional criteria should be applicable to USTC graduates between 2019 and the winter of 2021.**

## **1. Doctoral candidate**

The doctoral candidates should have published (including the accepted one) at least two academic papers that related to the dissertation in a domestic or foreign journal as the first author (the Supervisor is not counted). At least one paper is published by English version in a foreign or domestic journal;

The domestic or foreign journals refer to the CAS Zones 1-4 journals. Meeting one of the following requirements is equivalent to one research-oriented academic paper published in a domestic or foreign journal:

- (1) having won a state-level sci-tech achievement award (among the first five winners);
- (2) having won a provincial or ministerial-level sci-tech achievement award (among the first three winners);
- (3) having published an academic monograph (among the first three authors and with a total of more than 25,000 words independently contributed).

## **2. Master's candidate**

The master candidates should have published or being accepted at least one academic paper related to the thesis in a domestic or foreign journal or a core journal recognized by the USTC degree subcommittee on Chemistry and Materials as the first author (the Supervisor is not counted); or having obtained an invention patent related to the thesis

as the first inventor (the Supervisor is not counted) with the patent application officially disclosed or the patent certificate issued.

The domestic or foreign journals refer to the CAS Zones 1-4 or EI journals. Annex 1 shows the core journals recognized by the USTC degree subcommittee on Chemistry and Materials.

## **II. The following criteria should be applicable to all USTC graduates from 2022.**

### **1. Doctoral candidate**

The doctoral candidates should have published (including the accepted one) at least two academic papers related to the dissertation published or accepted in a domestic or foreign journal as the first author (the Supervisor is not counted), including one paper in a domestic or foreign high-level journal recognized by the USTC degree subcommittee on Chemistry and Materials (see Annex 2).

Having published an academic paper related to the dissertation as the first author in Nature or Science is equivalent to satisfying the clause above.

The domestic or foreign journals refer to the CAS Zones 1-4 journals, and the high-level domestic or foreign journals refer to the CAS Zones 1-2 journals. Meeting one of the following requirements is equivalent to one research-oriented academic paper published in a domestic or foreign journal:

- (1) having won a state-level sci-tech achievement award (among the first five winners);
- (2) having won a provincial or ministerial-level sci-tech achievement award (among the first three winners);
- (3) having published an academic monograph (among the first three authors and with a total of more than 25,000 words independently contributed).

### **2. Master's candidate**

The master candidates should have published or being accepted at least one academic paper related to the thesis in a domestic or foreign journal or a core journal recognized by the USTC degree subcommittee on Chemistry and Materials as the first author (the Supervisor is not counted); or having obtained an invention patent related to the thesis

as the first inventor (the Supervisor is not counted) with the patent application officially disclosed or the patent certificate issued.

The domestic or foreign journals refer to the CAS Zones 1-4 or EI journals. Annex 1 shows the core journals recognized by the USTC degree subcommittee on Chemistry and Materials.

**All the achievements above must meet the following requirements:**

1. The impact factor of a journal should base on the published IF at the year of graduation. The academic achievements (including papers, patents, awards, etc.) for degree application must have CIAC as the first signing institution, and the published papers must have USTC as the second institution.

2. The published paper must have the Supervisor as a signing author, and the Supervisor's signing institution must be USTC.

3. Academic papers with co-first authors should be used as follows:

(1) In principle, a postgraduate may use no more than one academic paper as the co-first author for degree application;

(2) An academic paper published in Science or Nature is allowed to be used by multiple co-first authors, and equivalent to one academic paper published in a domestic or foreign journal (as defined in the abovementioned requirements for academic achievements). A degree applicant, as the co-first author of an academic paper, must present a letter of guarantee from the Supervisor and other authors stating that the thesis of dissertation is free of duplication. The Supervisor and other authors should be responsible for the consequences of any problem arisen during duplication check and selective assessment.

(3) Except for the aforesaid journals, an academic paper with co-first authors may only be used by one degree applicant as follows:

An academic paper with co-first authors published in Nature Series, PNAS, PRL, JACS, Angew. Chem. Int. Ed. and Advanced Material can only be used by the first or second co-first author for degree application; and in other journals, only by the first co-first author.

## Annex 1

### Catalog of Domestic Core Journals Recognized by the USTC SCMS Degree Subcommittee

序号	刊名	主办单位
1	中国科学·B 辑	中国科学院
2	中国科学基金	国家自然科学基金委
3	中国化学快报(英文版)	中国化学会, 中国医学科学院药物研究所
4	高等学校化学学报	教育部委托吉林大学和南开大学
5	化学学报	中国化学会, 中科院上海有机化学研究所
6	物理化学学报	中国化学会, 北京大学化学与分子工程学院
7	分析化学	中国化学会, 中科院长春应用化学研究所
8	高分子学报	中国化学会, 中科院化学研究所
9	应用化学	中国化学会, 中科院长春应用化学研究所
10	无机化学学报	中国化学会
11	化学通报	中国化学会
12	化学通报 (网络版)	中国科学院
13	有机化学	中国化学会, 中科院上海有机化学研究所
14	色谱	中科院大连化学物理研究所
15	催化学报	中国化学会
16	结构化学	中科院福建物质结构研究所
17	感光科学与光化学	中科院理化技术研究所, 中国感光学会
18	药学学报	中国药学会
19	无机材料学报	中科院上海硅酸盐研究所
20	高分子材料科学与工程	中国石油化工科技开发公司
21	化学试剂	化学工业部化学试剂信息站
22	分子催化	中科院兰州化学物理研究所
23	分析测试学报	中国分析测试协会
24	中国腐蚀与防护学报	中国腐蚀与防护学会, 中科院金属研究所
25	功能高分子学报	华东理工大学
26	理化检验·化学分册	中国机械工程学会理化检验学会

序号	刊名	主办单位
27	膜科学与技术	国家石油和化学工业局
28	高校化学工程学报	浙江大学
29	中国生物医学工程学报	中国生物医学工程学会
30	辐射研究与辐射工艺学报	辐射研究与辐射工艺学会，中科院上海原子核研究所
31	化工学报	中国化工学会
32	分析实验室	北京有色金属研究总院
33	明胶科学与技术	中国明胶学会
34	中国医药杂志	国家医药管理局
35	药物分析杂志	中国药学会
36	离子交换与吸附	南开大学高分子化学研究所
37	应用科学学报	上海大学
38	分析仪器	北京分析仪器研究所
39	化学反应工程与工艺	浙江大学
40	功能材料	机械电子工业部重庆仪表材料研究所
41	化学工程	化学工业部化学工程设计技术中心站
42	化工机械	化工部化工机械研究院
43	中国药物化学杂志	沈阳药科大学，中国药学会
44	同位素	中国化学会
45	高分子通报	化学工业出版社
46	分析科学学报	武汉大学，北京大学，南京大学
47	光谱实验室	中科院化工冶金研究所等
48	水处理技术	国家海洋局等
49	感光材料	化工部第一胶片厂
50	现代化工	中国化工信息中心
51	高等学校化学研究	教育部，吉林大学
52	中国化学工程学报	中国化工学会
53	环境化学	中科院生态环境研究中心
54	中草药	国家医药管理局中草药情报中心站
55	中国烟草学报	中国烟草学会

序号	刊名	主办单位
56	烟草科技	郑州烟草研究院
57	硅酸盐学报	中国硅酸盐学会

## Annex 2

### Partial Catalog of High-level International Journals Recognized by the USTC SCMS Degree Subcommittee

刊 物 名 称	学 位 点
METALLOMICS	无机化学
TALANTA	分析化学
ANALYST	分析化学
ORGANIC & BIOMOLECULAR CHEMISTRY	有机化学
JOURNAL OF PHYSICAL CHEMISTRY	物理化学
REVIEW OF SCIENTIFIC INSTRUMENTS	物理化学
POLYMER	高分子化学与物理
INTERNATIONAL JOURNAL OF PHARMACEUTICS	应用化学
JOURNAL OF COLLOID AND INTERFACE SCIENCE	应用化学
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY	材料物理与化学、材料学

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