

# 河南师范大学物理学院文件

物理党政〔2024〕16号



## 关于印发《物理学院申请博士、硕士学位成果要求》的通知

院内各单位：

《物理学院申请博士、硕士学位成果要求》已经院党委会研究通过，现印发给你们，请认真贯彻执行。

河南师范大学物理学院

2024年12月1日

# 物理学院申请博士、硕士学位成果要求

为提升学院研究生培养质量，根据学校授予学位的有关要求，并结合学院学科特点和工作实际，在满足“河南师范大学申请博士、硕士学位科研成果要求”的前提下，特对学院研究生在攻读学位期间科研成果要求做如下规定：

## 一、博士研究生

### (一) 物理学专业

物理学专业博士研究生在申请博士学位前满足下列条件之一者，可申请学位论文答辩：

(1) 申请人须以第一作者（或导师第一作者、申请人第二作者）在物理学自然指数期刊(见附件一)发表学术论文 1 篇及以上，或者 2 篇物理类 ESI 期刊(见附件二)学术论文：其中 1 篇一区或 2 篇二区及以上；

(2) 以第一发明人获得物理学专业相关授权发明专利 1 项且获得应用成果转化 10 万元及以上；

(3) 获得国家级(限排名前 5)或省部级科技成果二等奖及以上(实际参与工作三年及以上，排名前 3)。

### (二) 光学工程专业

光学工程专业博士研究生在申请博士学位前满足下列条件之一者，可申请学位论文答辩：

(1) 从事工程技术研究的，申请人须以第一作者(或导师

第一作者、申请人第二作者)须发表 3 篇 SCI 论文, 其中 1 篇须为二区及以上期刊; 从事理论和实验研究的, 须发表 3 篇 SCI 论文, 其中 2 篇须为二区及以上期刊;

(2) 以第一发明人获得光学工程专业相关授权发明专利 1 项且获得应用成果转化 10 万元及以上;

(3) 获得国家级(限排名前 5)或省部级科技成果二等奖及以上(实际参与工作三年及以上, 排名前 3)。

## 二、硕士研究生

### (一) 物理学专业学术型研究生

申请人在攻读硕士期间第一作者或以除导师外第一作者发表物理 ESI 收录期刊(见附件二)一篇。

### (二) 光学工程专业学术型研究生

申请人在攻读硕士期间第一作者或以除导师外第一作者至少在 SCI、EI 期刊发表学术论文一篇。

### (三) 课程与教学论专业研究生

在满足学校硕士学位答辩条件的前提下, 申请人在攻读硕士期间第一作者或以除导师外发表核心及以上期刊一篇。

### (四) 光学工程专业专业型研究生

在满足学校硕士学位答辩条件的前提下, 申请人在攻读硕士期间第一作者或以除导师外第一作者在核心以上期刊发表学术论文。

### (五) 全日制学科教学(物理)专业研究生

在满足学校硕士学位答辩条件的前提下，至少在 CN 期刊上发表一篇学术或教学研究论文，或者参加校级以上教学技能比赛、建模比赛获奖，或获河南省教育厅教育信息技术成果奖。

**注 1:** 论文第一单位为“河南师范大学物理学院”，且通讯作者单位为“河南师范大学物理学院”（英文为“School of Physics, Henan Normal University”），论文分区按文章发表当年中科院大类分区为准。

**注 2:** 1 项授权国家发明专利相当 1 篇 SCI、EI 论文（申请人为第一发明人或除导师外第一发明人）。

**注 3:** 鉴于 BESIII 实验组合作文章周期较长，BESIII 实验组出具学生贡献证明，导师及二级学科负责人签字情况下，允许学生进行答辩。若提请答辩论文不能在次年度 5 月 1 日前发表，扣除二级学科（或一级学科）次年度招生指标一个，学院进行统筹分配。

**注 4:** 对学术型研究生，学术论文已经进入投稿程序毕业生，由导师提出申请且二级学科负责人签字情况下（须有提交投稿证明），允许学生进行论文送审和答辩。若提请答辩资格学术论文不能在下年度研究生招生指标分配前发表，扣除二级学科（或一级学科）次年度招生指标一个，学院进行统筹分配，导师停招学术型研究生一年。

**注 5:** 特殊情况者，由导师提出书面申请，经院学位评定分委员会讨论通过，可申请答辩。

### 附件一 物理自然指数期刊

类别	英文期刊名称	中文名称
物理学类	Nature Photonics	《自然光子学》
	Nature Physics	《自然物理学》
	Physical Review X	《物理评论 X》
	Physical Review Letters	《物理评论快报》
	Journal of High Energy Physics	《高能物理学杂志》
	European Physical Journal C	《欧洲物理学杂志 C》
	Physical Review D	《物理评论 D》
	Physical Review B	《物理评论 B》
	Applied Physics Letters	《应用物理学快报》
	Physical Review A	《物理评论 A》

备注：未进入物理自然指数期刊其他的 Physical Review 系列期刊等同于自然指数期刊。

### 附件二 物理类 ESI 期刊

	Journals
1	PHYSICAL REVIEW LETTERS
2	PHYSICAL REVIEW B
3	APPLIED PHYSICS LETTERS
4	PHYSICAL REVIEW D
5	NANOSCALE
6	OPTICS EXPRESS
7	JOURNAL OF HIGH ENERGY PHYSICS
8	JOURNAL OF APPLIED PHYSICS
9	PHYSICAL REVIEW A
10	PHYSICAL REVIEW E
11	NATURE COMMUNICATIONS
12	OPTICS LETTERS
13	NATURE PHOTONICS
14	SCIENTIFIC REPORTS
15	NATURE
16	SCIENCE
17	PHYSICS LETTERS B
18	NATURE PHYSICS
19	PHYSICAL REVIEW C
20	NEW JOURNAL OF PHYSICS
21	JOURNAL OF PHYSICS-CONDENSED MATTER
22	JOURNAL OF PHYSICS D-APPLIED PHYSICS
23	REVIEWS OF MODERN PHYSICS

24	PHYSICS OF PLASMAS
25	EUROPEAN PHYSICAL JOURNAL C
26	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS
27	APPLIED OPTICS
28	JOURNAL OF COMPUTATIONAL PHYSICS
29	NANOSCALE RESEARCH LETTERS
30	EPL
31	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS
32	JOURNAL OF LUMINESCENCE
33	NANO RESEARCH
34	JAPANESE JOURNAL OF APPLIED PHYSICS
35	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA
36	ORGANIC ELECTRONICS
37	OPTICS COMMUNICATIONS
38	JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA
39	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT
40	PHYSICS OF FLUIDS
41	CLASSICAL AND QUANTUM GRAVITY
42	IEEE TRANSACTIONS ON MAGNETICS
43	PHYSICAL REVIEW X
44	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL
45	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION
46	COMPUTER PHYSICS COMMUNICATIONS
47	PHYSICS LETTERS A
48	PHYSICA B-CONDENSED MATTER
49	IEEE PHOTONICS TECHNOLOGY LETTERS
50	PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS
51	PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES
52	JOURNAL OF NON-CRYSTALLINE SOLIDS
53	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING
54	OPTIK
55	CHINESE PHYSICS B
56	NUCLEAR PHYSICS B
57	REPORTS ON PROGRESS IN PHYSICS
58	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS
59	APPLIED PHYSICS EXPRESS
60	NUCLEAR FUSION

61	SOLID STATE IONICS
62	SYNTHETIC METALS
63	CURRENT APPLIED PHYSICS
64	ACS PHOTONICS
65	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY
66	NANO TODAY
67	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES
68	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS
69	JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN
70	ADVANCED SCIENCE
71	JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS
72	ACTA PHYSICA SINICA
73	SUPERLATTICES AND MICROSTRUCTURES
74	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE
75	SUPERCONDUCTOR SCIENCE & TECHNOLOGY
76	APPLIED PHYSICS B-LASERS AND OPTICS
77	SOLID STATE COMMUNICATIONS
78	JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT
79	PHYSICA SCRIPTA
80	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS
81	JOURNAL OF MATHEMATICAL PHYSICS
82	IEEE TRANSACTIONS ON PLASMA SCIENCE
83	COMMUNICATIONS IN MATHEMATICAL PHYSICS
84	IEEE TRANSACTIONS ON NUCLEAR SCIENCE
85	LASER & PHOTONICS REVIEWS
86	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS
87	ENTROPY
88	JOURNAL OF OPTICS
89	PLASMA SOURCES SCIENCE & TECHNOLOGY
90	IEEE PHOTONICS JOURNAL
91	PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES
92	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS
93	CHAOS
94	PLASMA PHYSICS AND CONTROLLED FUSION
95	LIGHT-SCIENCE & APPLICATIONS
96	MOLECULAR PHYSICS
97	OPTICA
98	SURFACE SCIENCE
99	SOLID STATE SCIENCES
100	SEMICONDUCTOR SCIENCE AND TECHNOLOGY
101	EUROPEAN PHYSICAL JOURNAL B

102	CHINESE PHYSICS LETTERS
103	PHYSICAL REVIEW APPLIED
104	APPLIED RADIATION AND ISOTOPES
105	RADIATION PHYSICS AND CHEMISTRY
106	ANNALS OF PHYSICS
107	LASER PHYSICS LETTERS
108	NUCLEAR PHYSICS A
109	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION
110	PLOS ONE
111	IONICS
112	EUROPEAN PHYSICAL JOURNAL PLUS
113	EUROPEAN PHYSICAL JOURNAL A
114	CHAOS SOLITONS & FRACTALS
115	JOURNAL OF SYNCHROTRON RADIATION
116	QUANTUM INFORMATION PROCESSING
117	EUROPEAN PHYSICAL JOURNAL D
118	INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS
119	CHINESE PHYSICS C
120	JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM
121	EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS
122	INTERNATIONAL JOURNAL OF MODERN PHYSICS A
123	JOURNAL OF STATISTICAL PHYSICS
124	PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS
125	SCIENCE ADVANCES
126	APPLIED ACOUSTICS
127	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY
128	RADIATION MEASUREMENTS
129	SURFACE AND INTERFACE ANALYSIS
130	LASER PHYSICS
131	JETP LETTERS
132	INVERSE PROBLEMS
133	SOLID-STATE ELECTRONICS
134	JOURNAL OF THE KOREAN PHYSICAL SOCIETY
135	RESULTS IN PHYSICS
136	ACTA PHYSICA POLONICA A
137	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY
138	PHYSICA D-NONLINEAR PHENOMENA
139	GENERAL RELATIVITY AND GRAVITATION
140	MODERN PHYSICS LETTERS A
141	PHYSICS OF THE SOLID STATE
142	INFRARED PHYSICS & TECHNOLOGY
143	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS



144	CHINESE OPTICS LETTERS
145	JOURNAL OF MODERN OPTICS
146	IEEE JOURNAL OF QUANTUM ELECTRONICS
147	COMMUNICATIONS IN THEORETICAL PHYSICS
148	JOURNAL OF RHEOLOGY
149	EUROPEAN PHYSICAL JOURNAL E
150	INTERNATIONAL JOURNAL OF MODERN PHYSICS B
151	INTERNATIONAL JOURNAL OF PHOTOENERGY
152	PHYSICAL REVIEW SPECIAL TOPICS-ACCELERATORS AND BEAMS
153	LIVING REVIEWS IN RELATIVITY
154	PROGRESS IN PARTICLE AND NUCLEAR PHYSICS
155	APPLIED PHYSICS REVIEWS
156	JOURNAL OF LOW TEMPERATURE PHYSICS
157	COMMUNICATIONS IN COMPUTATIONAL PHYSICS
158	APPLIED NANOSCIENCE
159	JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS
160	ANNALEN DER PHYSIK
161	MODERN PHYSICS LETTERS B
162	ADVANCES IN PHYSICS
163	PHOTONICS RESEARCH
164	PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS
165	RHEOLOGICA ACTA
166	NANOPHOTONICS
167	ADVANCES IN OPTICS AND PHOTONICS
168	MICRO & NANO LETTERS
169	FERROELECTRICS
170	SEMICONDUCTORS
171	INDIAN JOURNAL OF PHYSICS
172	PHYSICS-USPEKHI
173	SURFACE SCIENCE REPORTS
174	ADVANCES IN HIGH ENERGY PHYSICS
175	TECHNICAL PHYSICS LETTERS
176	COMPTES RENDUS PHYSIQUE
177	QUANTUM ELECTRONICS
178	PHYSICAL REVIEW FLUIDS
179	NUCLEAR DATA SHEETS
180	PHYSICS TODAY
181	TECHNICAL PHYSICS
182	PRAMANA-JOURNAL OF PHYSICS
183	CANADIAN JOURNAL OF PHYSICS
184	AMERICAN JOURNAL OF PHYSICS
185	LETTERS IN MATHEMATICAL PHYSICS

186	FORTSCHRITTE DER PHYSIK-PROGRESS OF PHYSICS
187	CRYOGENICS
188	PLASMA SCIENCE & TECHNOLOGY
189	FRONTIERS OF PHYSICS
190	WAVE MOTION
191	CENTRAL EUROPEAN JOURNAL OF PHYSICS
192	ACTA PHYSICA POLONICA B
193	CHINESE JOURNAL OF PHYSICS
194	JOURNAL OF PLASMA PHYSICS
195	EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS
196	ROMANIAN REPORTS IN PHYSICS
197	LOW TEMPERATURE PHYSICS
198	CONTRIBUTIONS TO PLASMA PHYSICS
199	ANNUAL REVIEW OF FLUID MECHANICS
200	ANNALES HENRI POINCARÉ
201	INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS
202	SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS
203	PROGRESS OF THEORETICAL PHYSICS
204	JOURNAL OF THE ROYAL SOCIETY INTERFACE
205	INTERNATIONAL JOURNAL OF MODERN PHYSICS C
206	EUROPEAN JOURNAL OF PHYSICS
207	ROMANIAN JOURNAL OF PHYSICS
208	PHASE TRANSITIONS
209	PHILOSOPHICAL MAGAZINE LETTERS
210	NANO
211	JOURNAL OF NANOPHOTONICS
212	FOUNDATIONS OF PHYSICS
213	FEW-BODY SYSTEMS
214	QUANTUM INFORMATION & COMPUTATION
215	INDIAN JOURNAL OF PURE & APPLIED PHYSICS
216	INTERNATIONAL JOURNAL OF MODERN PHYSICS E
217	HIGH TEMPERATURE
218	CRITICAL REVIEWS IN SOLID STATE AND MATERIALS SCIENCES
219	PLASMA PHYSICS REPORTS
220	LASER AND PARTICLE BEAMS
221	PHYSICS OF ATOMIC NUCLEI
222	ACTA ACUSTICA UNITED WITH ACUSTICA
223	THEORETICAL AND MATHEMATICAL PHYSICS
224	INTERNATIONAL JOURNAL OF QUANTUM INFORMATION
225	HIGH ENERGY DENSITY PHYSICS
226	PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND

	APPLICATIONS
227	JOURNAL OF TURBULENCE
228	RUSSIAN PHYSICS JOURNAL
229	HIGH PRESSURE RESEARCH
230	JOURNAL OF PHYSICAL AND CHEMICAL REFERENCE DATA
231	ANNUAL REVIEW OF FLUID MECHANICS, VOL 43
232	ANNUAL REVIEW OF CONDENSED MATTER PHYSICS, VOL 1
233	PROGRESS IN SURFACE SCIENCE
234	NPJ QUANTUM INFORMATION
235	CHINESE JOURNAL OF CHEMICAL PHYSICS
236	NUCLEAR SCIENCE AND TECHNIQUES
237	PHYSICAL REVIEW SPECIAL TOPICS-PHYSICS EDUCATION RESEARCH
238	RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY B
239	CHALCOGENIDE LETTERS
240	CHINESE SCIENCE BULLETIN
241	RENDICONTI LINCEI-SCIENZE FISICHE E NATURALI
242	ADVANCES IN THEORETICAL AND MATHEMATICAL PHYSICS
243	ATOMIC DATA AND NUCLEAR DATA TABLES
244	ACOUSTICAL PHYSICS
245	JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION
246	WAVES IN RANDOM AND COMPLEX MEDIA
247	JOURNAL OF PHOTONICS FOR ENERGY
248	SCIPOST PHYSICS
249	POWDER DIFFRACTION
250	THEORETICAL AND COMPUTATIONAL FLUID DYNAMICS
251	ANNUAL REVIEW OF FLUID MECHANICS, VOL 44
252	PROGRESS OF THEORETICAL PHYSICS SUPPLEMENT
253	CONTEMPORARY PHYSICS
253	PHYSICAL REVIEW ACCELERATORS AND BEAMS
255	IEEE MAGNETICS LETTERS
256	OPTICAL REVIEW
257	JOURNAL OF THE EUROPEAN OPTICAL SOCIETY-RAPID PUBLICATIONS
258	RADIATION EFFECTS AND DEFECTS IN SOLIDS
259	BRAZILIAN JOURNAL OF PHYSICS
260	JOURNAL OF THE OPTICAL SOCIETY OF KOREA
261	ANNUAL REVIEW OF FLUID MECHANICS, VOL 46
262	APL PHOTONICS