



# ESI 热点论文简报

第 III 期

中国科学院高能物理研究所  
文献信息部

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# 基于 ESI 数据库分领域热点论文简报

ESI 是基于汤森路透 Web of Science (SCIE/SSCI) 所收录的全球 12000 多种学术期刊的 1200 多万条文献记录而建立的计量分析数据库。ESI 针对 22 个专业领域, 通过论文数、论文被引频次、论文篇均被引频次、高影响论文(高被引论文和热点论文排重后的简单和) 指标, 成为当今世界范围内普遍用以评价高校、学术机构、国家/地区国际学术水平及影响力的重要评价指标工具之一。该数据库基于 10 年内文献数据进行综合分析评价, 每两月更新一次。

**热点论文:** ESI 数据库统计筛选出在过去两年内发表, 且在近两月内, 被引用的次数进入其学术领域前 0.1% 的论文。

**细分领域:** 根据 WoS 数据库的领域划分选取了高能所发文比较集中的四个细分领域, “Physics, Particles & Fields”、“Astronomy & Astrophysics”、“Physics, Nuclear”和 “Materials Science, Multidisciplinary”。(该领域热点论文比较多, 按照论文被引次数选取 Top 50)。

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本次简报基于 ESI 于 2021 年 5 月 13 日更新的数据, 热点论文统计范围为 2019 年 3 月-2021 年 2 月发表的论文, 且在 2021 年 1-2 月被引用次数进入物理领域前 0.1% 的论文。

②、③为对比 2021 年第一、二期数据的重复次数

## “Physics, Particles & Fields”热点论文 34 篇

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### “Materials Science, Multidisciplinary”热点论文 Top 50 篇

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