

文献检索技巧之八：如何了解一篇论文被引用的原因

半导体所图书馆（2023-4-14）

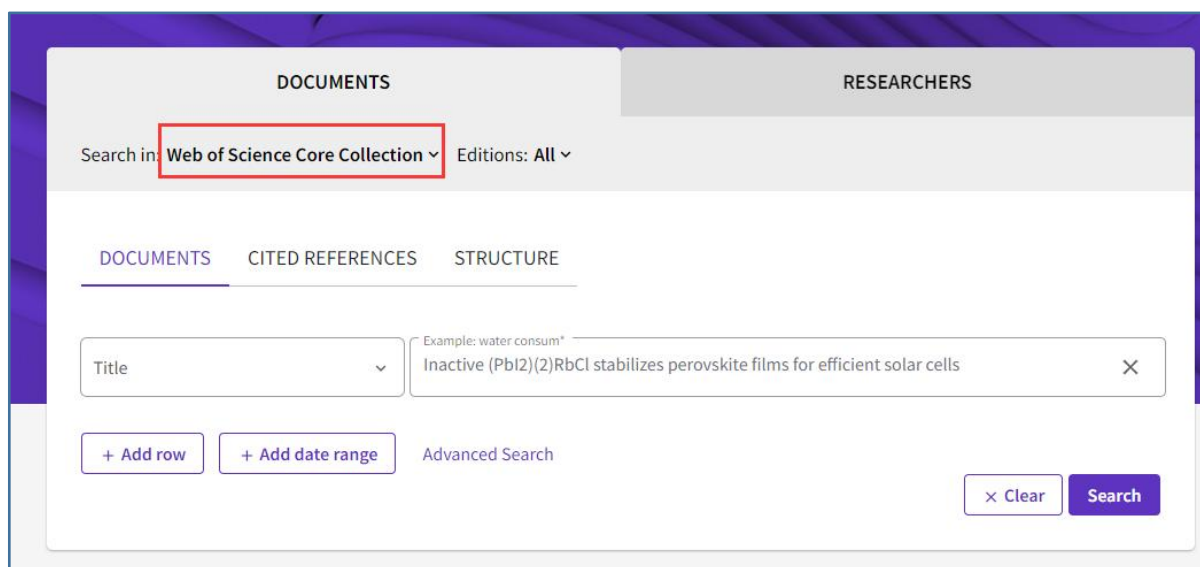
以游经碧老师的一篇论文为例，感谢游老师支持！

Title: Inactive (PbI₂)(2)RbCl stabilizes perovskite films for efficient solar cells

Author(s): Zhao, Y (Zhao, Yang); Ma, F (Ma, Fei); Qu, ZH (Qu, Zihan); Yu, SQ (Yu, Shiqi); Shen, T (Shen, Tao); Deng, HX (Deng, Hui-Xiong); Chu, XB (Chu, Xinbo); Peng, XX (Peng, Xinxin); Yuan, YB (Yuan, Yongbo); Zhang, XW (Zhang, Xingwang); You, JB (You, Jingbi)

Source: SCIENCE Volume: 377 Issue: 6605 Pages: 531-534 DOI: 10.1126/science.abp8873 Published: JUL 29 2022

步骤一：进入 WOS 核心合集检索到这篇文章：



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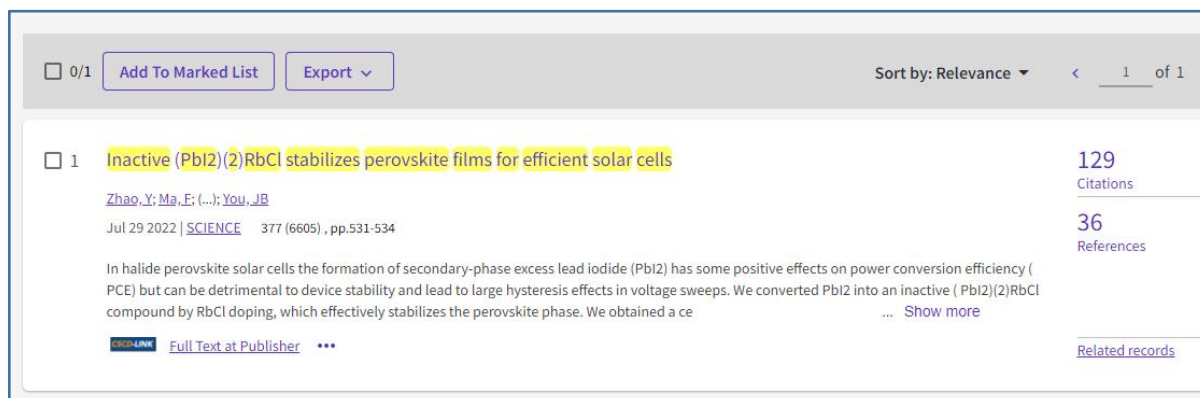
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1 Inactive (PbI₂)(2)RbCl stabilizes perovskite films for efficient solar cells 129 Citations

Zhao, Y; Ma, F; (...); You, JB 36 References

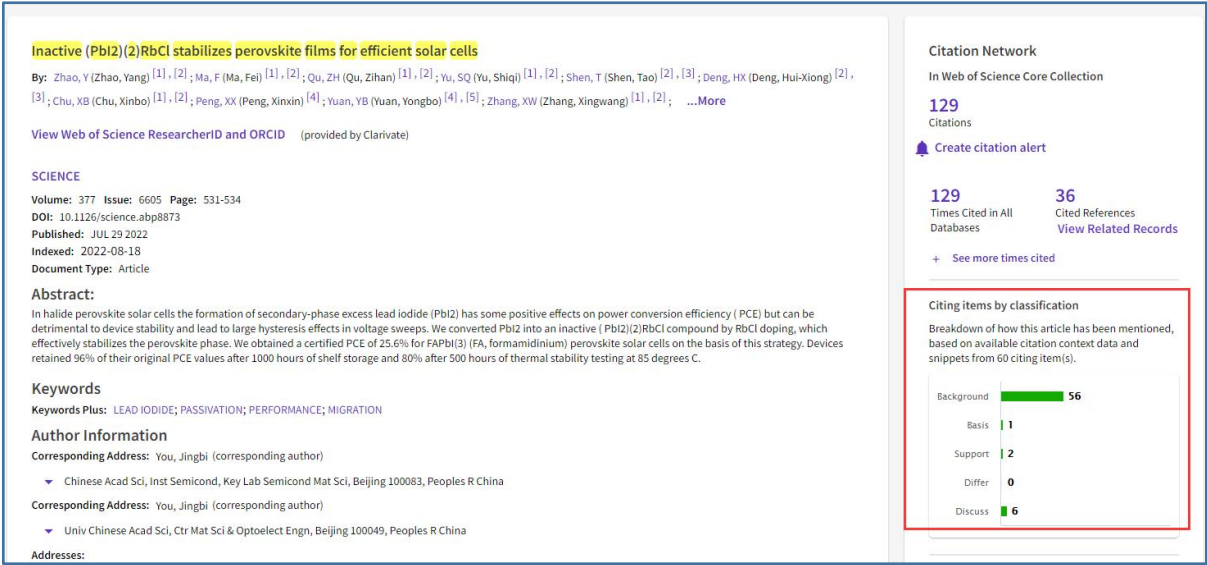
Jul 29 2022 | SCIENCE 377 (6605), pp.531-534

In halide perovskite solar cells the formation of secondary-phase excess lead iodide (PbI₂) has some positive effects on power conversion efficiency (PCE) but can be detrimental to device stability and lead to large hysteresis effects in voltage sweeps. We converted PbI₂ into an inactive (PbI₂)(2)RbCl compound by RbCl doping, which effectively stabilizes the perovskite phase. We obtained a ce ... Show more

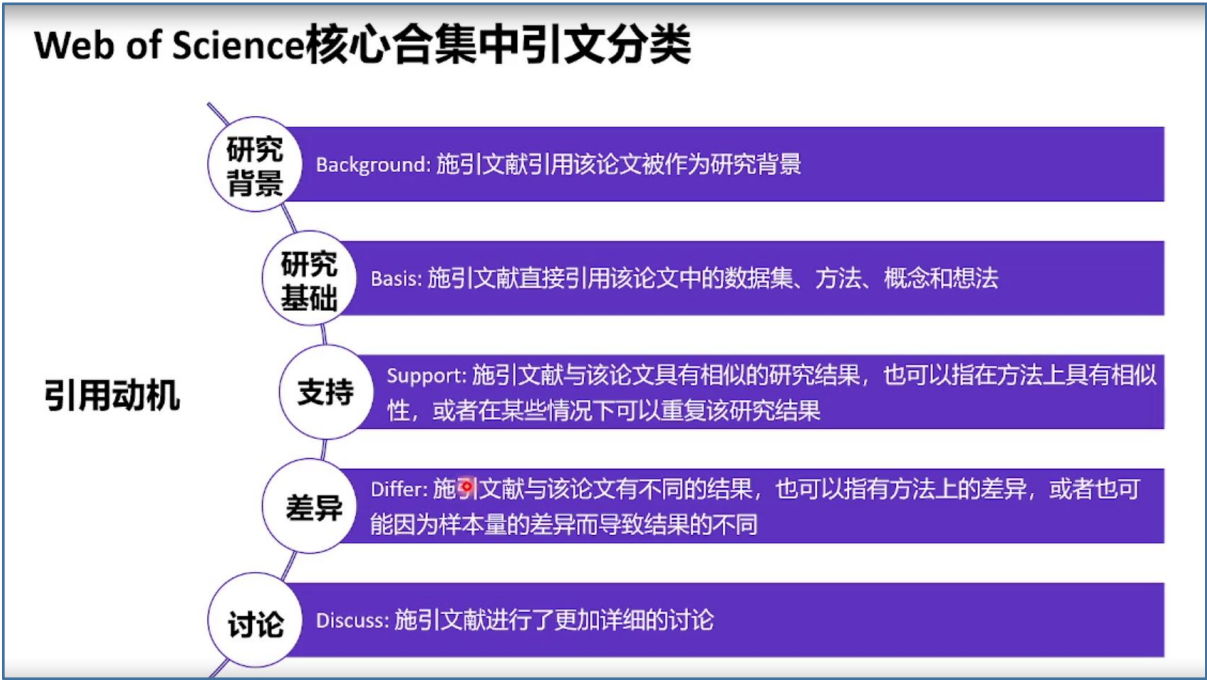
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施引类别释义如下：



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Breakdown of how this article has been mentioned, based on available citation context data and snippets from 60 citing item(s).

Background 56

Basis 1

Support 2

Differ 0

Discuss 6

5 Efficient Perovskite Solar Cells with Iodine-Doped Spiro-OMeTAD Hole Transport Layer via Fast Oxidation

Ma, F.; Zhao, Y.; (...); You, J.B.

Mar 2023 (Early Access) | SOLAR RRL

49
References

Enriched Cited References

The state-of-the-art perovskite solar cells (PSCs) have reached a certified efficiency approaching 26% in decades. It is noteworthy that the record efficiencies are almost based on the regular structure PSCs using spiro-OMeTAD (Spiro) as the hole transport layer. However, the necessity of rather long (8-24 h) oxidation process of Spiro can probably cause potential instability and poor reproducibility. ... Show more

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"The small molecule 2,2',7,7'-tetrakis[N,N-di(4-methoxyphenyl)amino]-9,9'-spirobifluorene abbreviated to Spiro-OMeTAD (Spiro), which has desirable energy level, high solubility, and facile deposition for high-quality films, is still the most employed HTL in highly efficient PSCs."^[4,6]

Found in "Introduction"

Section: Introduction

Classification: Background

"In this work, we employed RbCl-doped formamidinium lead triiodide (FAPbI₃) as active layer via our previous reported sequential deposition method."^[5]

Found in "Results"

Section: Results

Classification: Basis

"This phenomenon was supposed to conductivity degradation of Spiro in oxygen-free environment, which was reported in our previous work."^[5,49]

Found in "Results"

Section: Results

Classification: Discuss