

EndNote™20 快速使用指南系列

——概览

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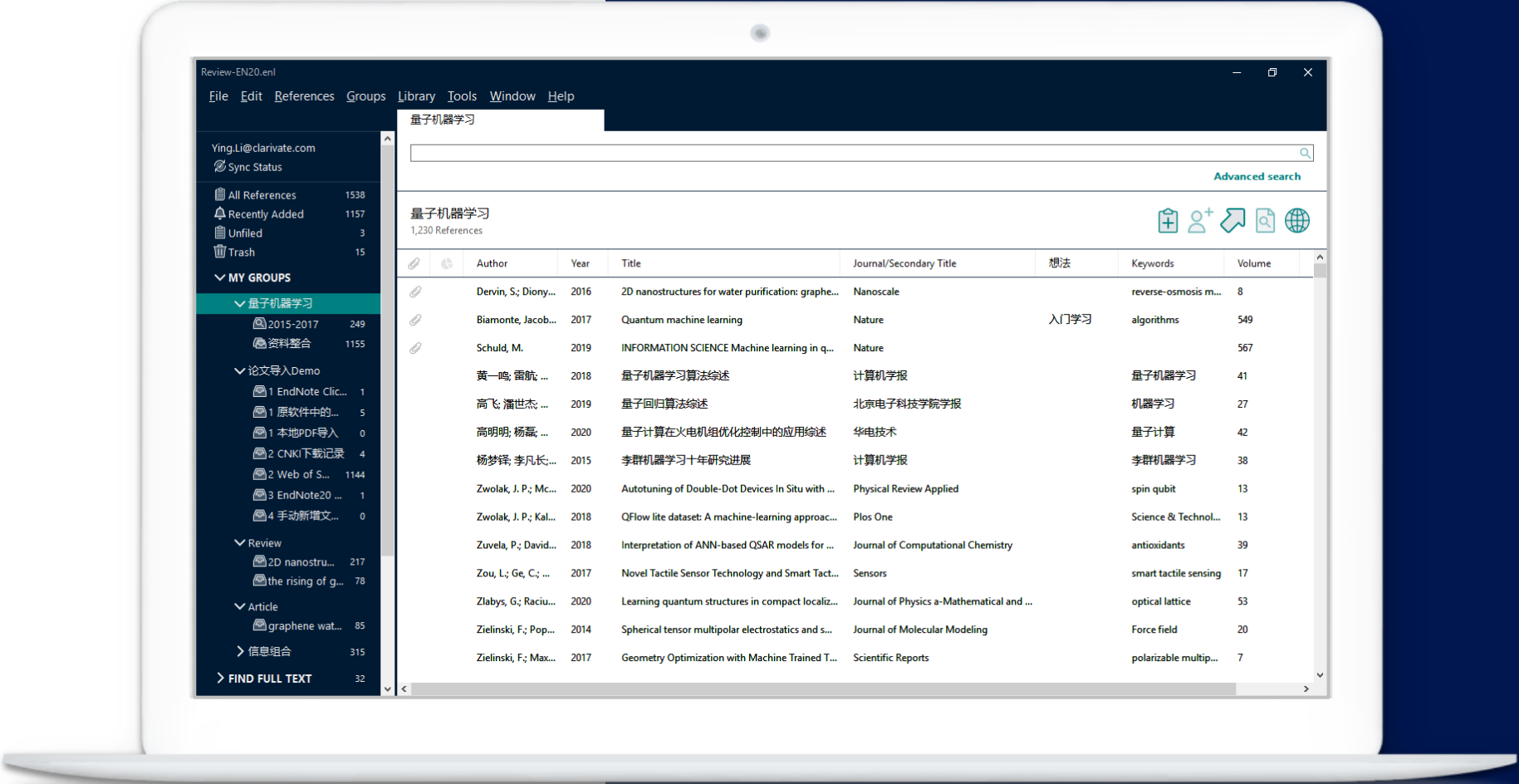
技术支持: ts.support.china@clarivate.com

EndNote™20

《使用指南》系列

- | | |
|-----------|-------------------|
| 1. 概览 | 界面概览、创建个人图书馆 |
| 2. 文献导入 | 多种方式整理已有文献 |
| 3. 分组管理 | 检索PDF笔记、分组功能、去重 |
| 4. 文献统计分析 | 引文影响力分析、关键词统计 |
| 5. 参考文献编排 | 增、删、改、分类、自定义、投稿推荐 |
| 6. 文献共享 | 备份、压缩图书馆、共享图书馆 |

EndNote™ 20概览



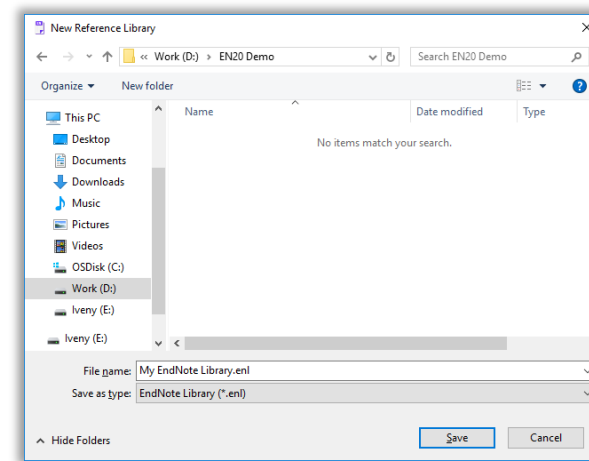
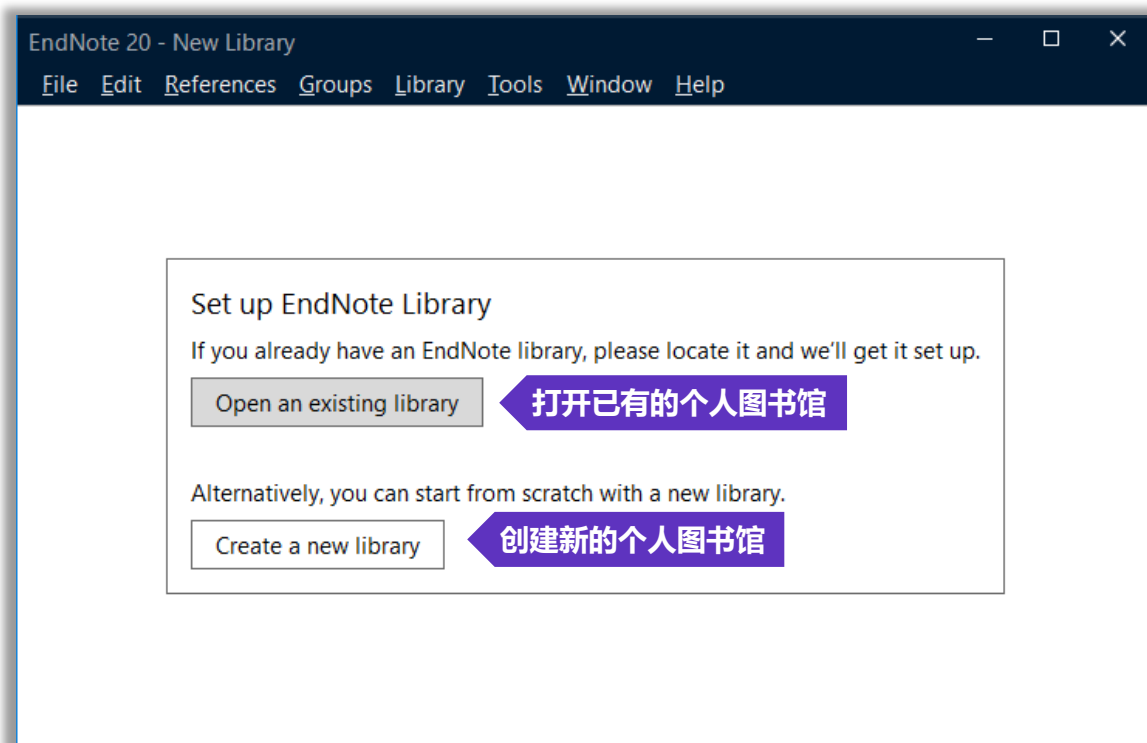
■ EndNote™ 20的个人图书馆概览

The screenshot displays the EndNote 20 interface with several key components and annotations:

- 个人图书馆同步状态 (Personal Library Sync Status):** Points to the 'Sync Configuration' button in the left sidebar.
- 个人文献分组 (Personal Literature Groups):** Points to the 'MY GROUPS' section in the left sidebar.
- 在线检索数据源 (Online Search Data Sources):** Points to the 'ONLINE SEARCH' section in the left sidebar, which lists sources like BIOSIS Previews, MEDLINE, and Web of Science.
- 简单检索 Simple Search (Simple Search):** Points to the search bar at the top of the 'All References' list.
- 进阶检索 Advanced Search (Advanced Search):** Points to the 'Advanced search' button above the search bar.
- 增加新记录 (Add New Record):** Points to the '+' icon in the top toolbar.
- 分享文献组 (Share Literature Group):** Points to the 'Share' icon in the top toolbar.
- 更新信息 (Update Information):** Points to the 'Update' icon in the top toolbar.
- 导出 (Export):** Points to the 'Export' icon in the top toolbar.
- Summary界面 (Summary Interface):** Points to the 'Summary' tab in the right pane, showing article details like title, authors, and abstract.
- Edit界面 (Edit Interface):** Points to the 'Edit' tab in the right pane, showing the full text of the selected article.
- 参考文献格式快速调整 (Bibliography Format Quick Adjustment):** Points to the 'Format' dropdown menu in the right pane, which allows switching between citation styles like 'Chinese Standard GB/T 7714 numeric'.
- 一键WOS引文报告 (One-click WOS Citation Report):** Points to the 'WOS' button in the right pane.

The central pane displays a list of references with columns for Author, Year, and Research Notes. The right pane shows the details of a selected reference, including the title, authors, and abstract.

■ 在EndNote™20中创建个人图书馆



My EndNote Library.enl

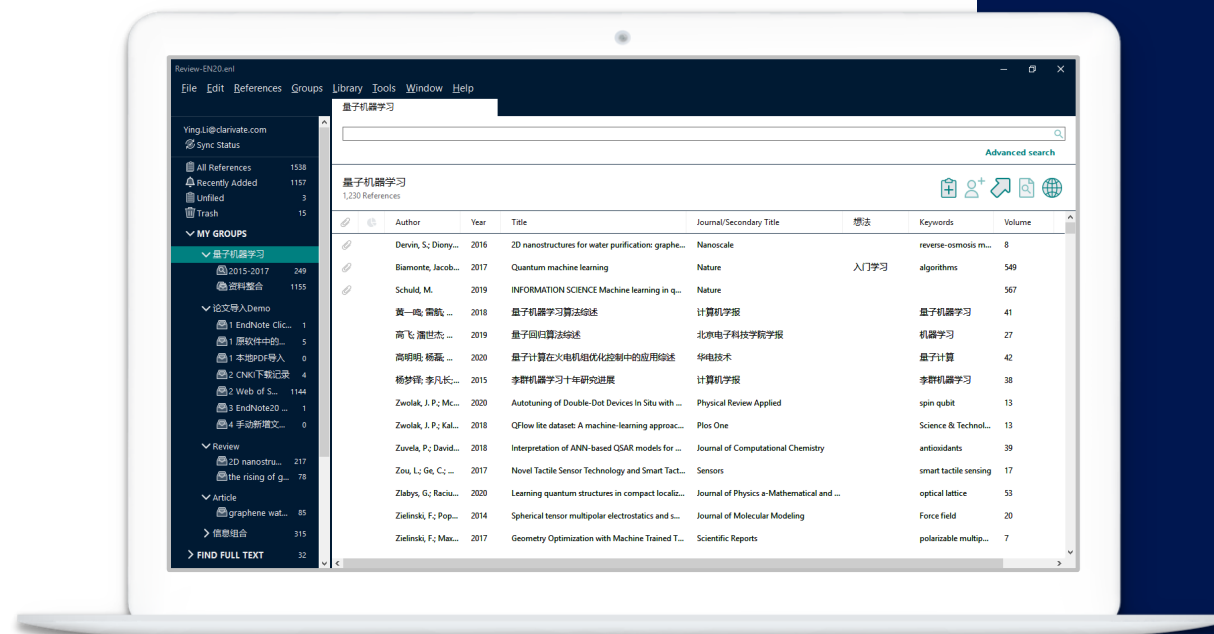


My EndNote Library.Data

*注：在移动个人图书馆时，两个文件需要一起移动

EndNote™ 20的文献导入

收集文献信息的多种方式



□ PDF文件如何导入？

PDF文件的快速导入

以文件夹形式导入（手动导入+自动导入）

□ 一键下载PDF并导入——EndNote Click（Kopernio）

□ 已经整理好的文献资料，可以导入吗？

其他管理软件的文献资料转换导入（RIS格式文件导入）

□ 使用数据库检索论文的时候，批量文献信息如何导入？

直接导入——Web of Science平台

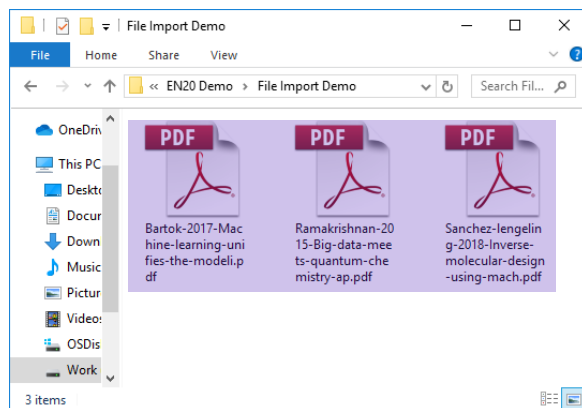
转换导入——知网及更多平台（Import Files）

□ EndNote自带的在线检索并导入

□ 手动新增文献记录

■ PDF文件如何导入？

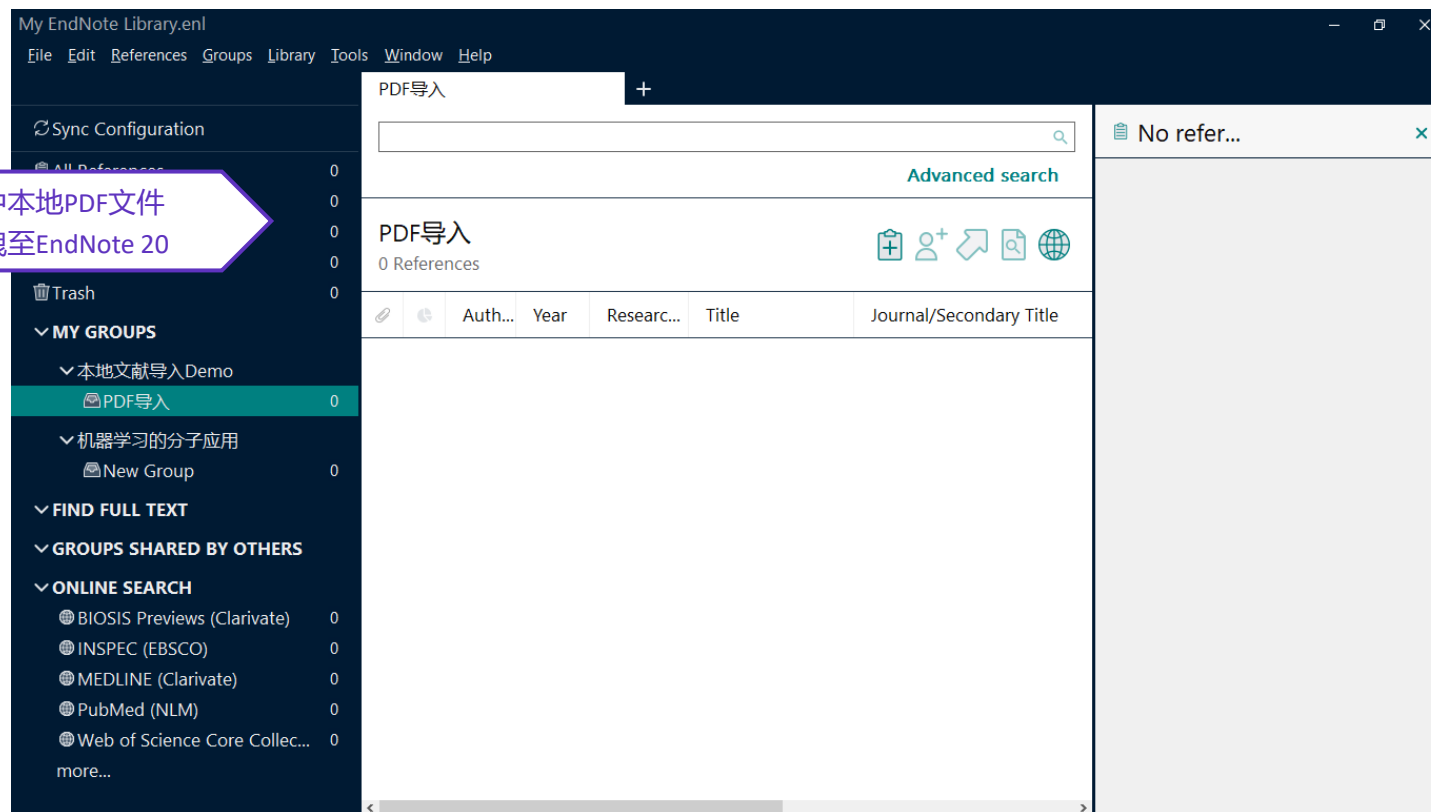
PDF文件的快速导入



PDF常用导入途径：

EndNote 20菜单栏File → Import → File

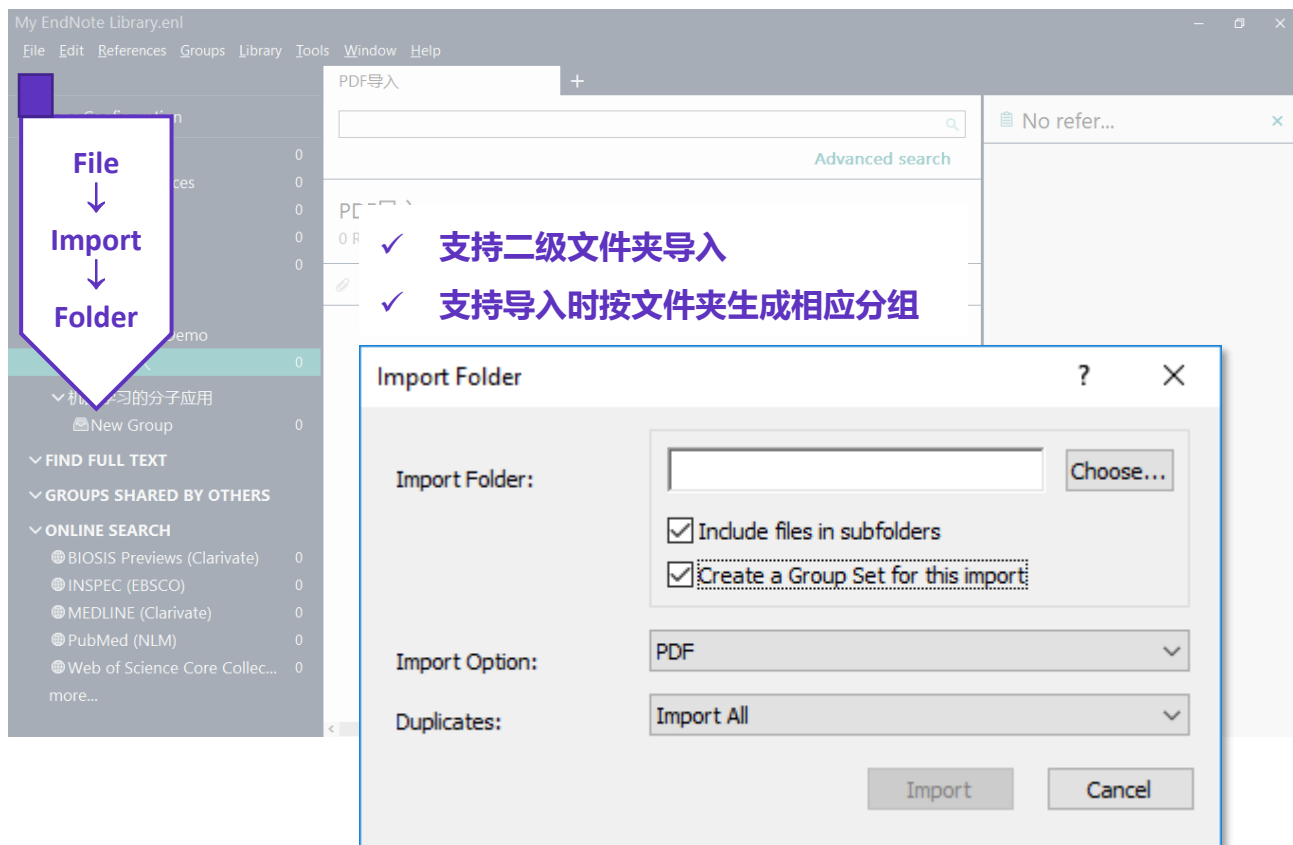
- 选中本地PDF文件
- 拖拽至EndNote 20



■ PDF文件如何导入？

以文件夹形式导入（手动导入+自动导入）

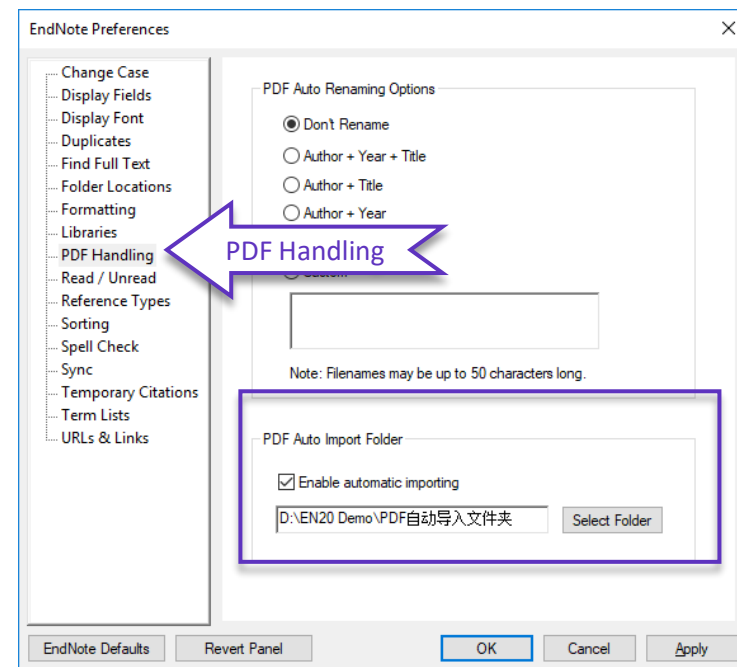
• 手动导入



• 定期自动导入

⇒ 文件夹自动导入设置途径

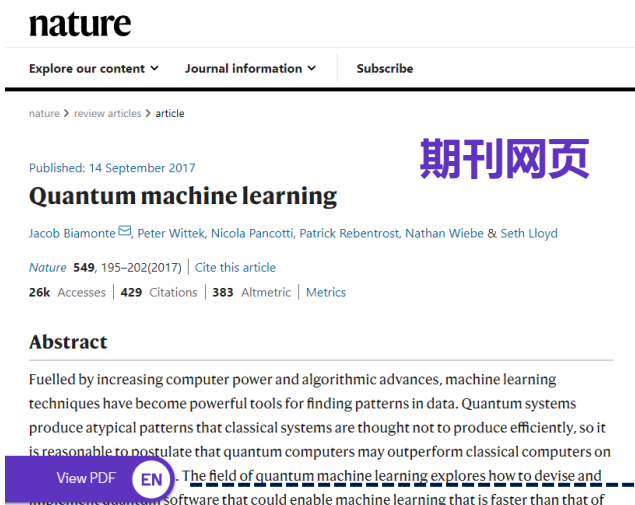
Edit → Preferences



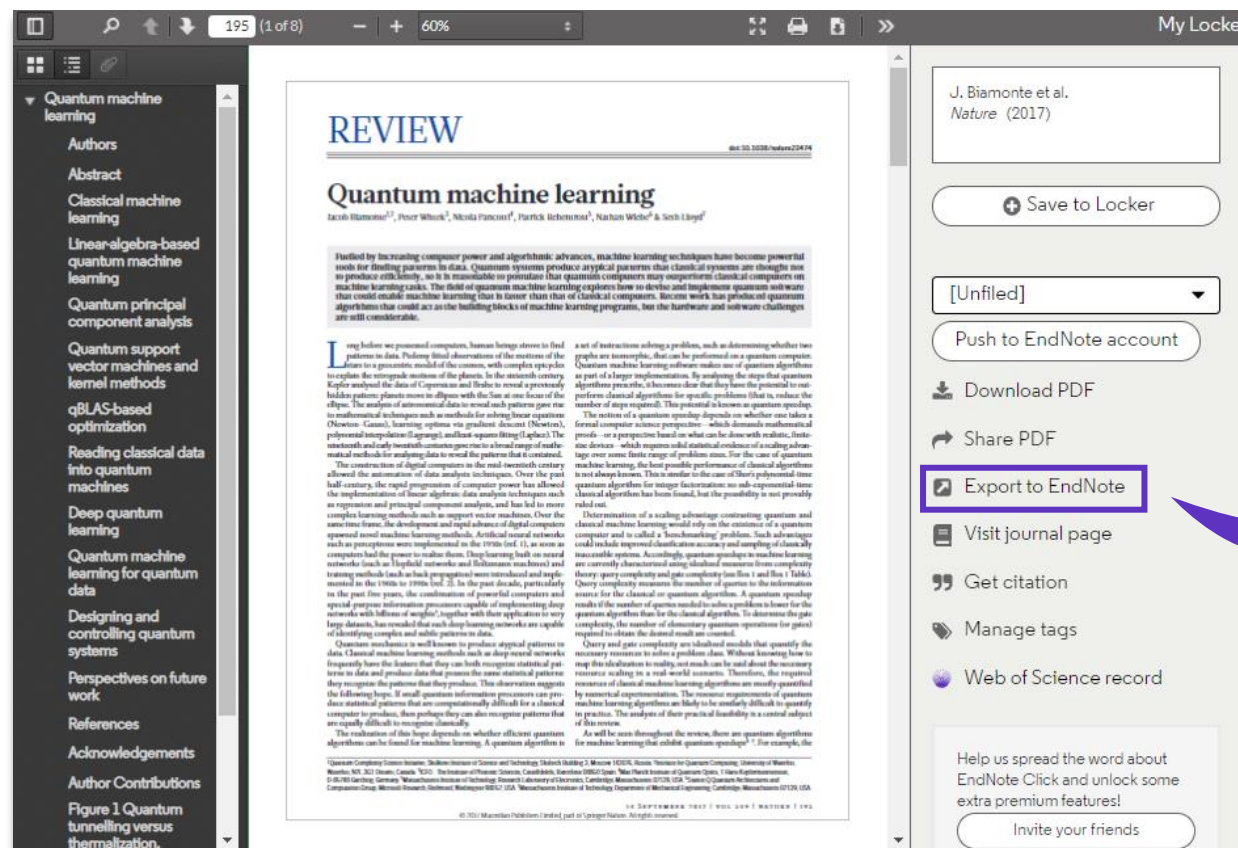
■ 一键下载PDF并导入——EndNote Click (Kopernio)

EndNote[™] Click
Formerly Kopernio

EndNote Click获取方式： EndNote 20菜单栏 Tools



最优版本



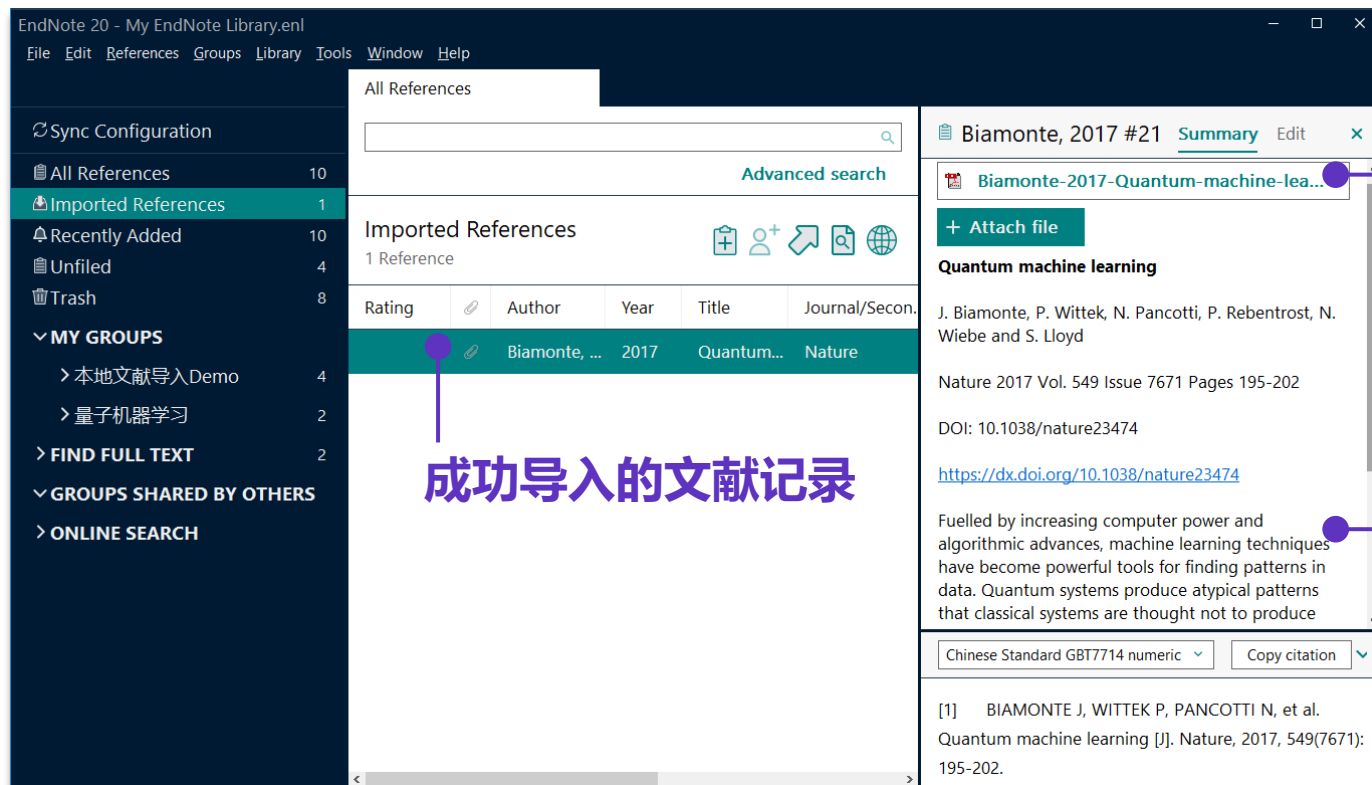
✓ 支持Chrome, Firefox, Opera浏览器

✓ 支持多个出版商平台、期刊网站、数据库平台

■ 一键下载PDF并导入——EndNote Click (Kopernio)

EndNote™ Click
Formerly Kopernio

EndNote Click获取方式： EndNote 20菜单栏 Tools



PDF文件

成功导入的文献记录

摘要概览

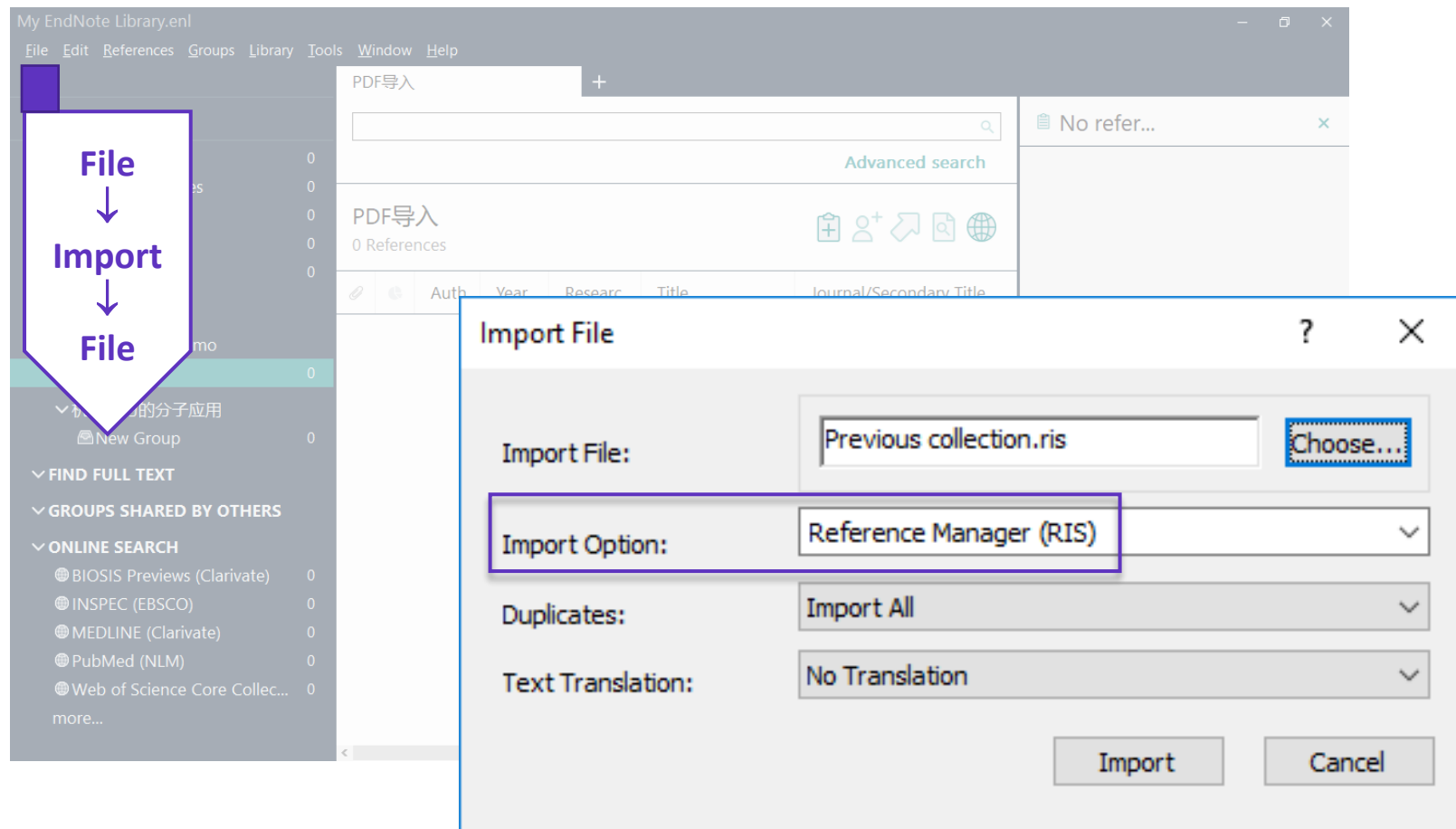
- 一键获取全文神器
- 支持Chrome, Firefox, Opera浏览器
- 支持多个出版商平台、期刊网站、数据库平台

■ 已经整理好的文献资料，可以导入吗？

其他管理软件的文献资料转换导入（RIS格式文件导入）



在原软件中，以RIS格式
导出已有论文资料信息



■ 使用数据库检索论文的时候，批量文献信息如何导入？

直接导入——Web of Science平台

Web of Science

检索结果: 1,050
(来自 Web of Science 核心合集)

您的检索: 主题: (quantum *machine learning) AND 出版年: (2015-2200)
...更多内容

创建跟踪

精炼检索结果

在如下结果集内检索...

过滤结果依据:

- ☐ 领域中的高被引论文 (47)
- ☐ 领域中的热点论文 (2)
- ☐ 开放获取 (461)
- ☐ 相关数据 (12)

精炼

出版年

排序方式: 日期 被引频次 使用次数 相关性 更多

1 / 21

选择页面

导出...

添加到标记结果列表

EndNote Desktop

EndNote Online

Excel

其他文件格式

在Publons中声明作者身份, 跟踪引用信息

InCites

FECYT CVN

RefWorks

打印

电子邮件

Fast 5K

分析检索结果

创建引文报告

被引频次: 457
(来自 Web of Science 的核心合集)

高被引论文

使用次数

被引频次: 370
(来自 Web of Science 的核心合集)

高被引论文

使用次数

被引频次: 330
(来自 Web of Science 的核心合集)

高被引论文

使用次数

1. Solving the quantum machine learning problem using deep tensor neural networks

作者: Excel

2017

2. Quantum machine learning: A review of the state-of-the-art

作者: NATU

2017

3. Quantum-chemical insights from deep tensor neural networks

作者: Schuett, Kristof T.; Arbabzadah, Farhad; Chmiela, Stefan; 等.

NATURE COMMUNICATIONS 卷: 8 文献号: 13890 出版年: JAN 9 2017

出版商处的免费全文 查看摘要

将记录导出至 EndNote Desktop

☒ 您已选择 3 条检索结果进行导出

☐ 页面上的所有记录

☐ 记录来源: 1 至 500

一次不超过 500 条记录。

记录内容:

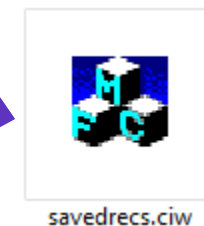
全记录

作者、标题、来源出版物

作者、标题、来源出版物、摘要

全记录

全记录与引用的参考文献



双击后自动导入
EndNote 20

■ 使用数据库检索论文的时候，中文论文的批量导入

转换导入——以知网CNKI为例

cnki 中国知网
www.cnki.net

主题 量子 机器学习

结果中检索 高级检索 知识元检索 > 引文检索 >

总库 4 中文 外文

学术期刊 4 学位论文 0 会议 0 报纸 0 年鉴 0 图书 0 专利 0 标准 0 成果 0

科技 社科

基础研究(1)
应用基础研究(1)
技术研究(2)

确定 清除

主题 文献来源 学科 作者 机构 基金

检索范围: 总库 主题: 量子 机器学习 主题定制 检索历史 共找到 4 条结果

☒ 全选 已选: 4 清除

题名

☒ 1 量子计算在火电机组优化控制中

☒ 2 量子回归算法综述

☒ 3 量子机器学习算法综述

☒ 4 李群机器学习十年研究进展

导出与分析

导出文献

可视化分析

GB/T 7714-2015 格式引文
知网研学 (原E-Study)
CAJ-CD 格式引文
MLA格式引文
APA格式引文
查新 (引文格式)
查新 (自定义引文格式)
Refworks
EndNote
NoteExpress
NoteFirst
自定义

发表时间 数据库 被引 下载 操作

2020-08-25	期刊	84	📄 📖 🌟 🔄
2019-12-15	期刊	36	📄 📖 🌟 🔄
2017-05-19 12:49	期刊	22 4780	📄 📖 🌟 🔄
2014-08-13 13:08	期刊	33 8057	📄 📖 🌟 🔄

■ 使用数据库检索论文的时候，中文论文的批量导入

转换导入——以知网CNKI为例

文献导出格式

GB/T 7714-2015 格式引文

知网研学 (原E-Study)

CAJ-CD 格式引文

MLA 格式引文

APA 格式引文

查新 (引文格式)

查新 (自定义引文格式)

Refworks

EndNote

noterirst

自定义

EndNote

2 导出

已选文献

预览

批量下载

导出

复制到剪贴板

打印

排序

发表时间

被引频次

%0 Journal Article

%A 高明明 %A 杨磊 %A 于浩洋 %A 张洪福 %A 刁友峰 %A 宋珺琮

%+ 新能源电力系统国家重点实验室(华北电力大学);中国华电集团天津公司;华电国际电力股份有限公司天津开发区分公司;

%T 量子计算在火电机组优化控制中的应用综述

%J 华电技术

%D 2020

%V 42

%N 08

%K 量子计算;量子衍生算法;火电机组;优化控制;智能算法;人工智能

%X 量子计算及其衍生算法近年来快速发展,成为优化领域和人工智能领域的研究热点。随着我国电力行业清洁化和智能化的发展,量子计算逐渐应用于火电机组优化控制领域并取得了诸多成效。介绍了量子计算的基本理论,详细论述了众多量子衍生算法在火电机组优化控制领域中的应用研究进展。从量子群智能优化算法、量子遗传算法和量子机器学习算法等多个角度综述了量子计算在火电机组优化控制领域的机遇与挑战。最后总结并展望了量子计算未来在火电机组优化控制领域的发展趋势。

%P 90-96

%@ 1674-1951

%L 41-1395/TK

%W CNKI

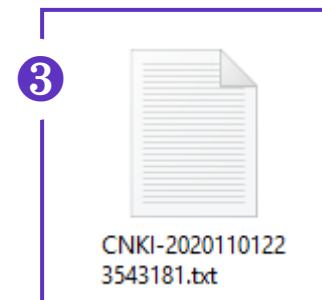
%0 Journal Article

%A 高飞 %A 潘世杰 %A 刘海玲 %A 秦素娟 %A 温巧燕

%+ 北京邮电大学;

%T 量子回归算法综述

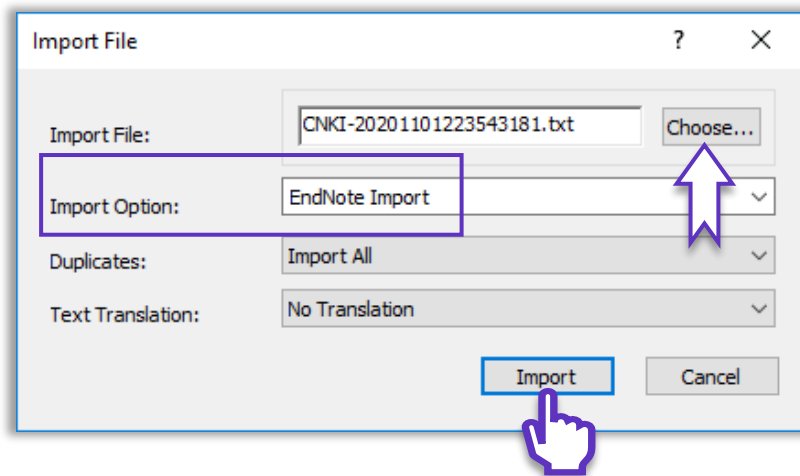
Clarivate



单篇文章记录的 全部下载内容

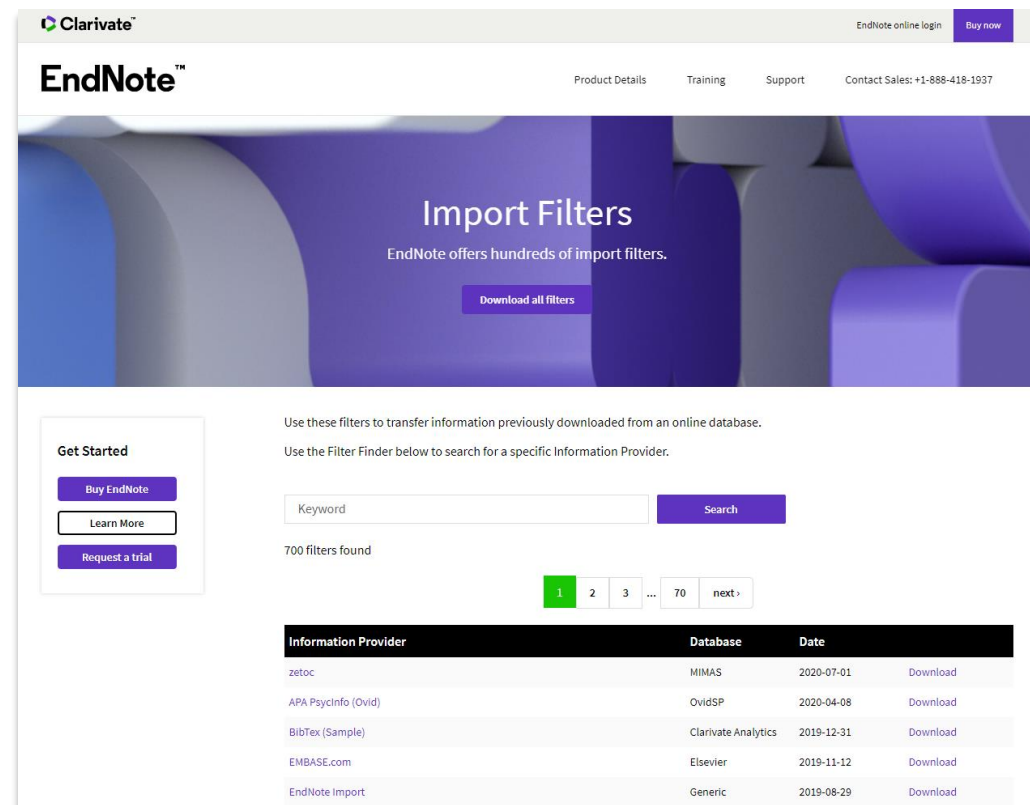
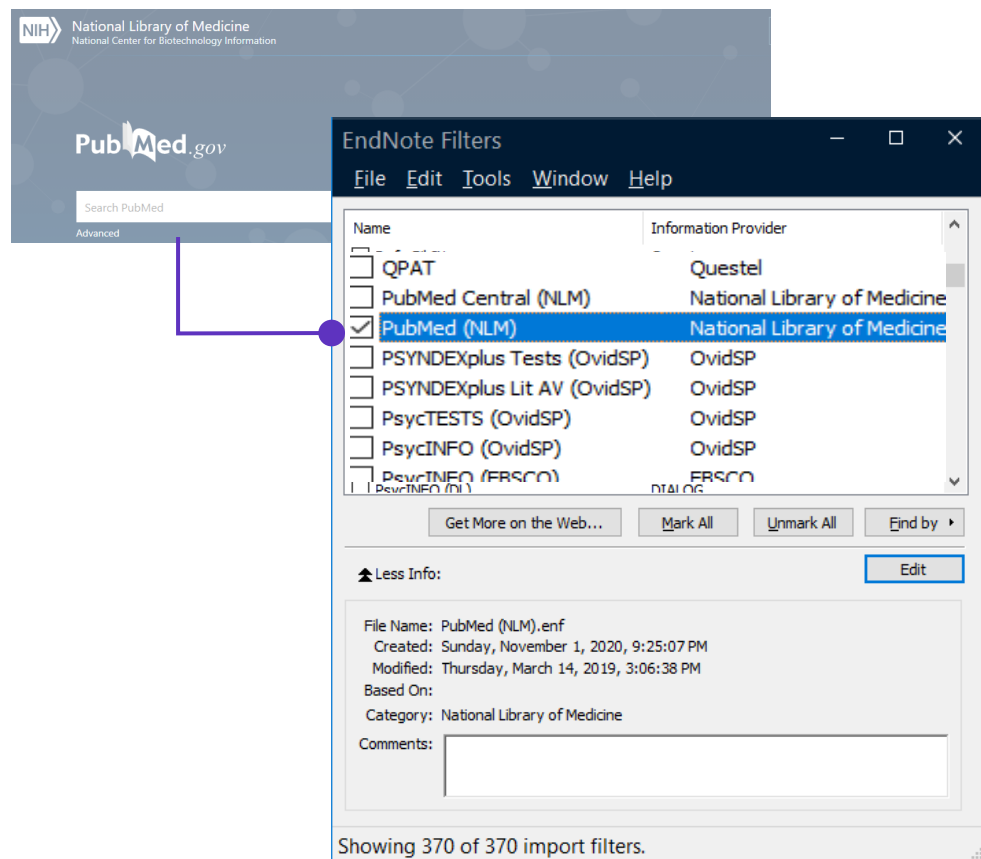
*如遇记录信息不全面，可尝试其他格式下载，同样支持导入EndNote中

■ 使用数据库检索论文的时候，中文论文的批量导入 转换导入——以知网CNKI为例



■ 使用数据库检索论文的时候，批量文献信息如何导入？

转换导入——Import Files



*更多Import Filters下载：endnote.com/downloads/filters/

■ EndNote的在线检索并导入

设定
检索条件

选择
在线检索源

The screenshot shows the EndNote 20 interface. On the left, the 'MY GROUPS' list includes '量子机器学习' (Quantum Machine Learning) and 'Web of Science Core Collecti...' (Web of Science Core Collection). The 'Web of Science Core Collecti...' group is selected. In the center, the 'Web of Science Core Colle...' search window is open, showing search criteria: 'Title/Keywords/Abstract' contains 'quantum', 'machine learning', and 'nature'. The 'Search' button is highlighted. On the right, the search results for 'Controlling an organic synthesis robot with machine learning to search for new reactivity' are displayed, including the author 'J. M. Granda, L. Donina, V. Dragone, D. L. Long and L. Cronin' and the journal 'Nature 2018 Vol. 559 Issue 7714 Pages 377-+'. A purple circle highlights the '+' button in the top right corner of the search results panel.

1) 选心仪的文献

2) 点击右上角“+”快捷键

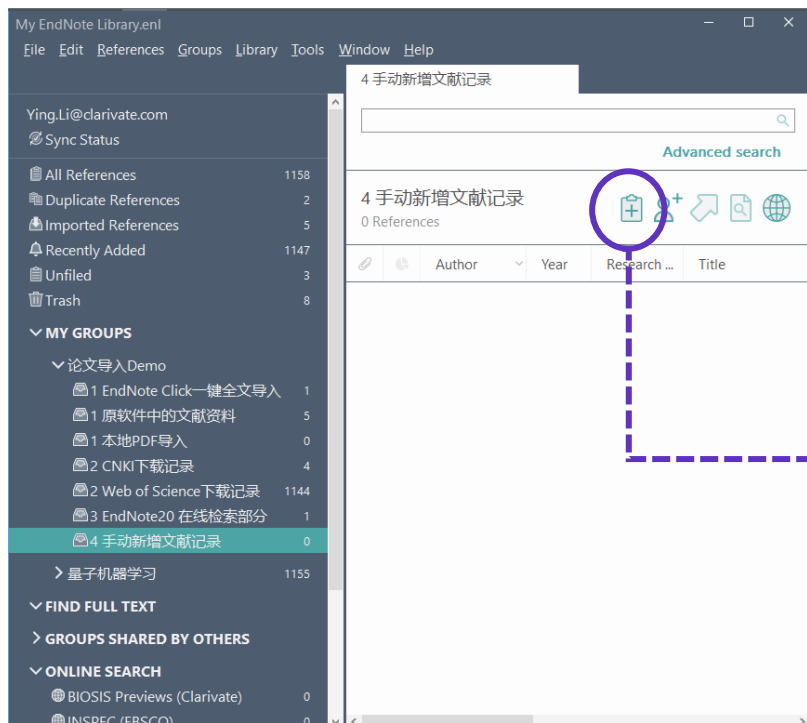
快速添加至本地文献组 (Groups)

⇒ 更多在线检索数据库选择

方法1：点击more...

方法2：Tools → Connection Files

■ 手动新增文献记录



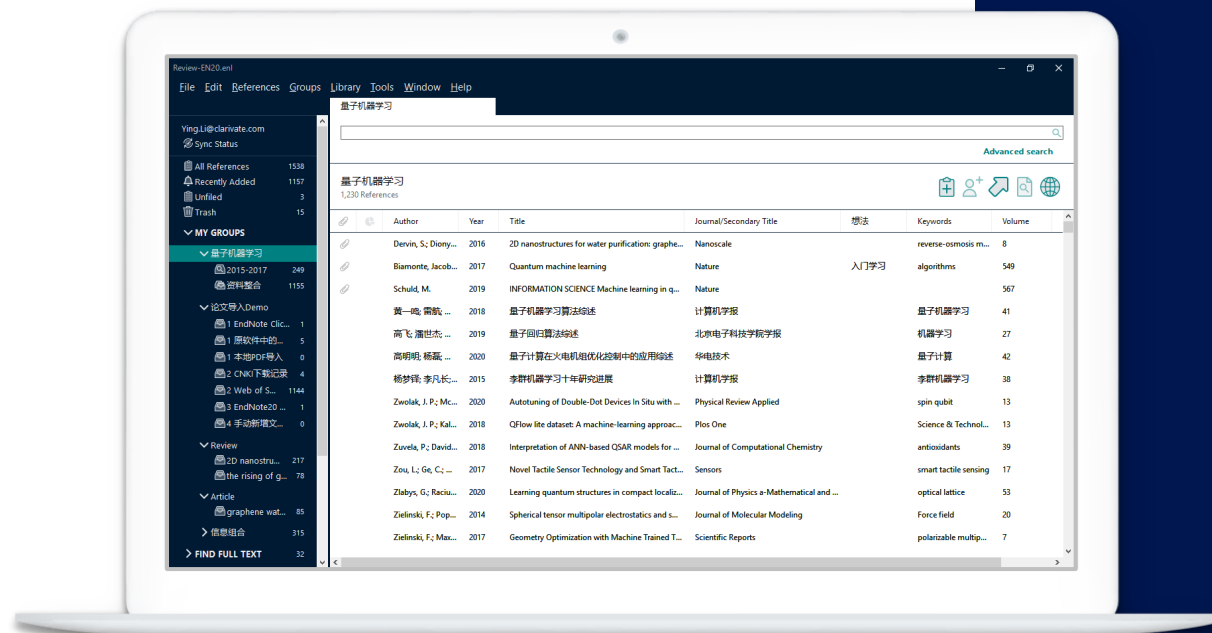
The 'New Reference' dialog box is shown with the 'Reference Type' dropdown set to 'Web Page'. The form includes fields for Author, Year, Title, Series Editor, Series Title, Place Published, Publisher, Access Year, and Access Date. A red circle highlights the 'Reference Type' dropdown, and a red arrow points from the 'Add New' icon in the previous screenshot to this dropdown.

Film or Broadcast
Generic
Government Document
Grant
Hearing
Interview
Journal Article
Legal Rule or Regulation
Magazine Article
Manuscript
Map
Multimedia Application
Music
Newspaper Article
Online Database
Online Multimedia
Pamphlet
Patent
Personal Communication
Podcast
Press Release
Report
Serial
Social Media
Standard
Statute
Television Episode
Thesis
Unpublished Work

- 支持50+种文献资料格式
- 支持自定义文献资料格式

EndNote™ 20的文献管理

整理文献信息的功能介绍



□ 文献信息的自动更新

□ 为已有文献手动添加附件

□ 文献的个性化标记（字段笔记+PDF笔记）

□ 文献的智能分组

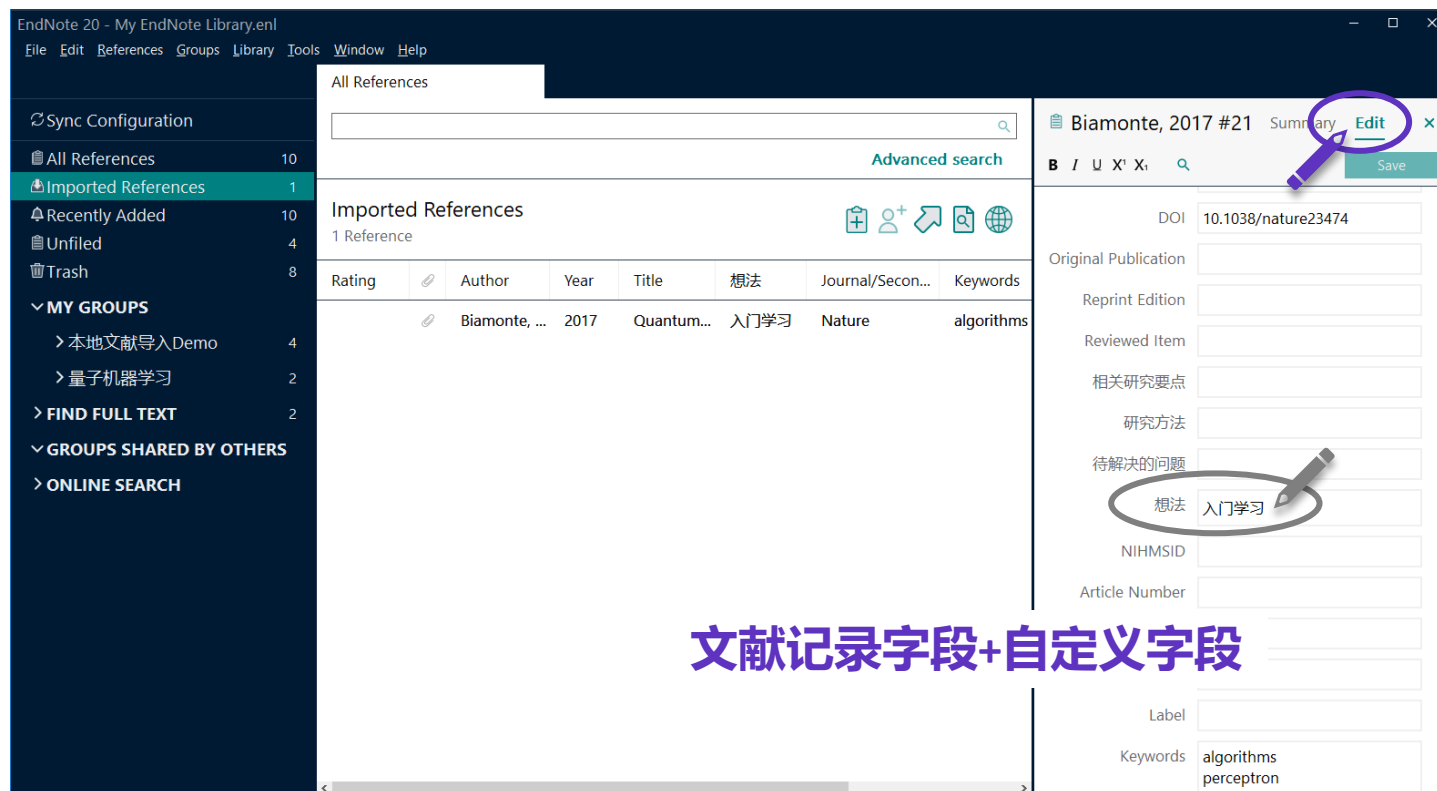
Create Groups

Create Smart Groups

Create from Groups

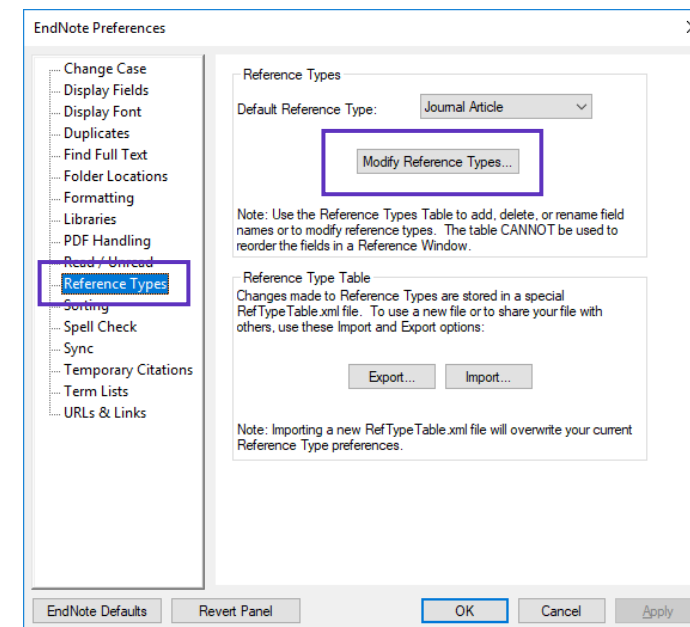
□ 文献去重

■ 文献的个性化标记（字段笔记+PDF笔记）



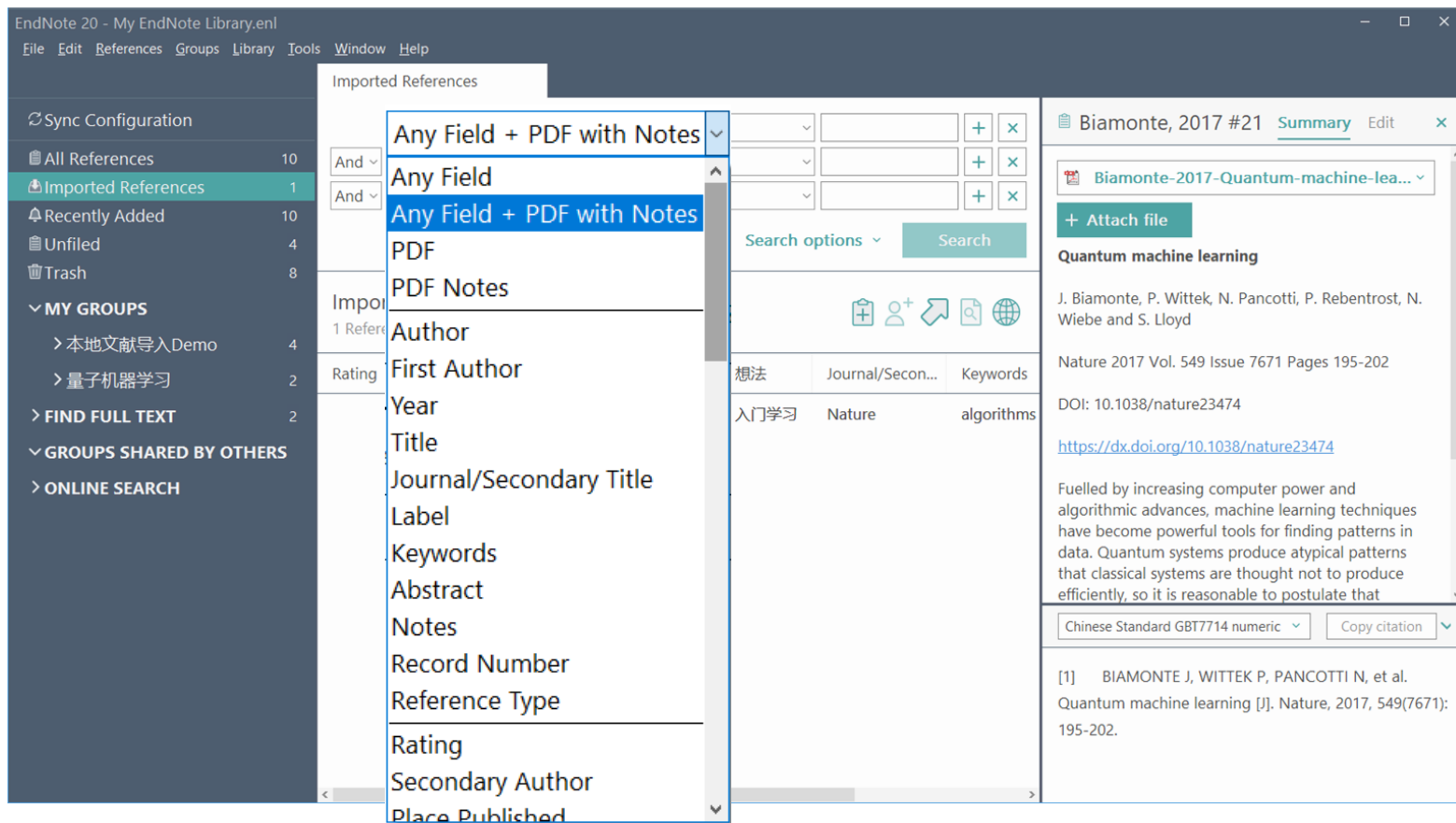
⇒ 更多自定义字段设置途径

Edit → Preferences



■ 文献的个性化标记（字段笔记+PDF笔记）

文献个性化标记的检索定位



- ✓ 支持检索PDF全文
- ✓ 支持检索PDF中的笔记信息
- ✓ 简单检索（Simple Search）模式
支持一键全检索

■ 文献的分组



□ Create Groups

- ✓ 把目标文献添加到组（直接拖动或右键添加）
- ✓ 所有组按照字母顺序进行排序

□ Create Smart Groups

- ✓ 按照设置条件自动挑选符合条件的记录
- ✓ 在有新记录收入时自动将符合条件的记录放入Smart Group

□ Create from Groups

- ✓ 将已经设置好的组用AND, OR 和NOT进行组与组之间的匹配如寻找组与组之间的交集或并集等

增加新文献时
组内自动更新

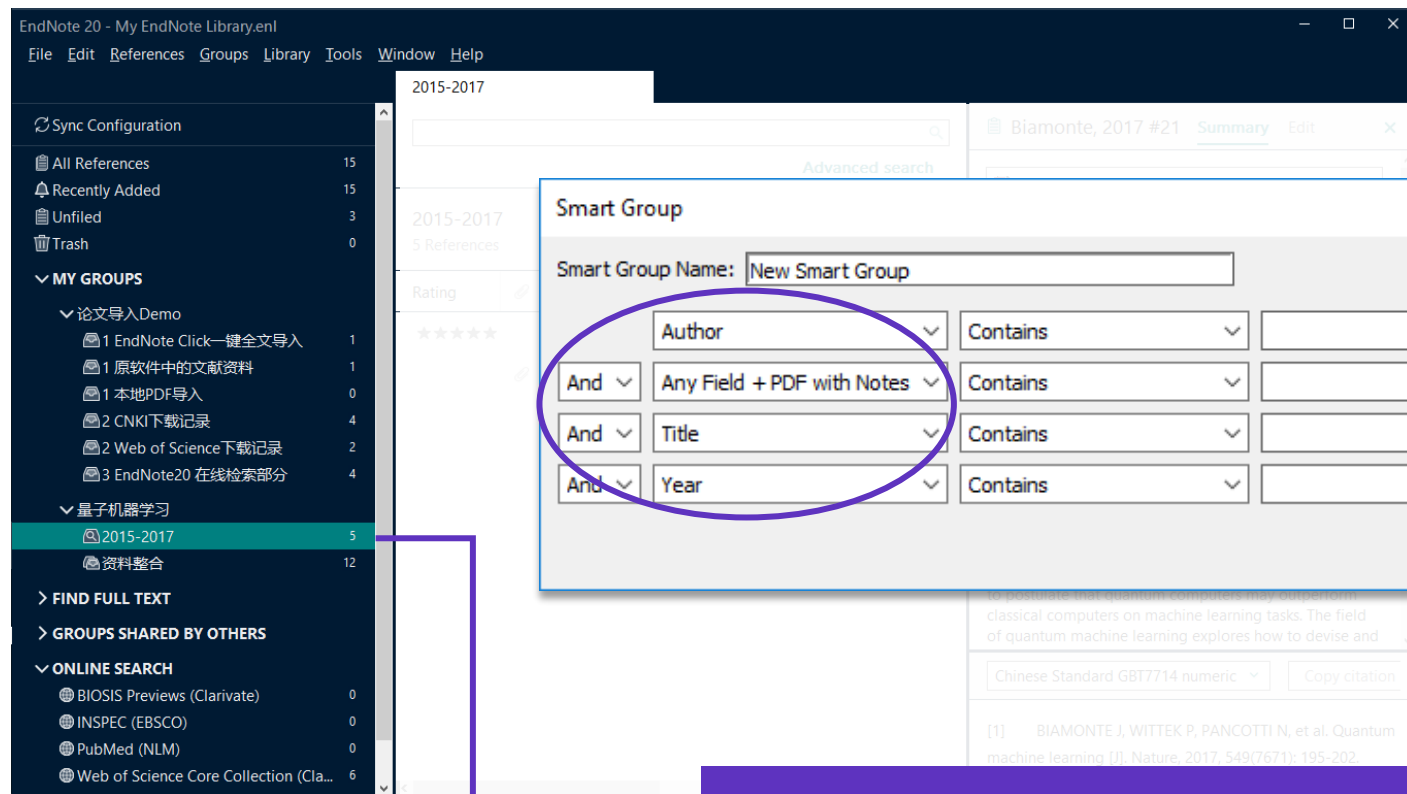
EndNote 20 - My EndNote Library.enl

File Edit References **Groups** Library Tools Window Help

- 支持多达5000个Group Sets
- 支持多达5000个Groups

■ 文献的分组

Create Smart Groups 创建智能分组



- ✓ 自动在已有文献中检索符合条件的文献记录
- ✓ 自动生成新的组
- ✓ 后续添加论文时自动更新

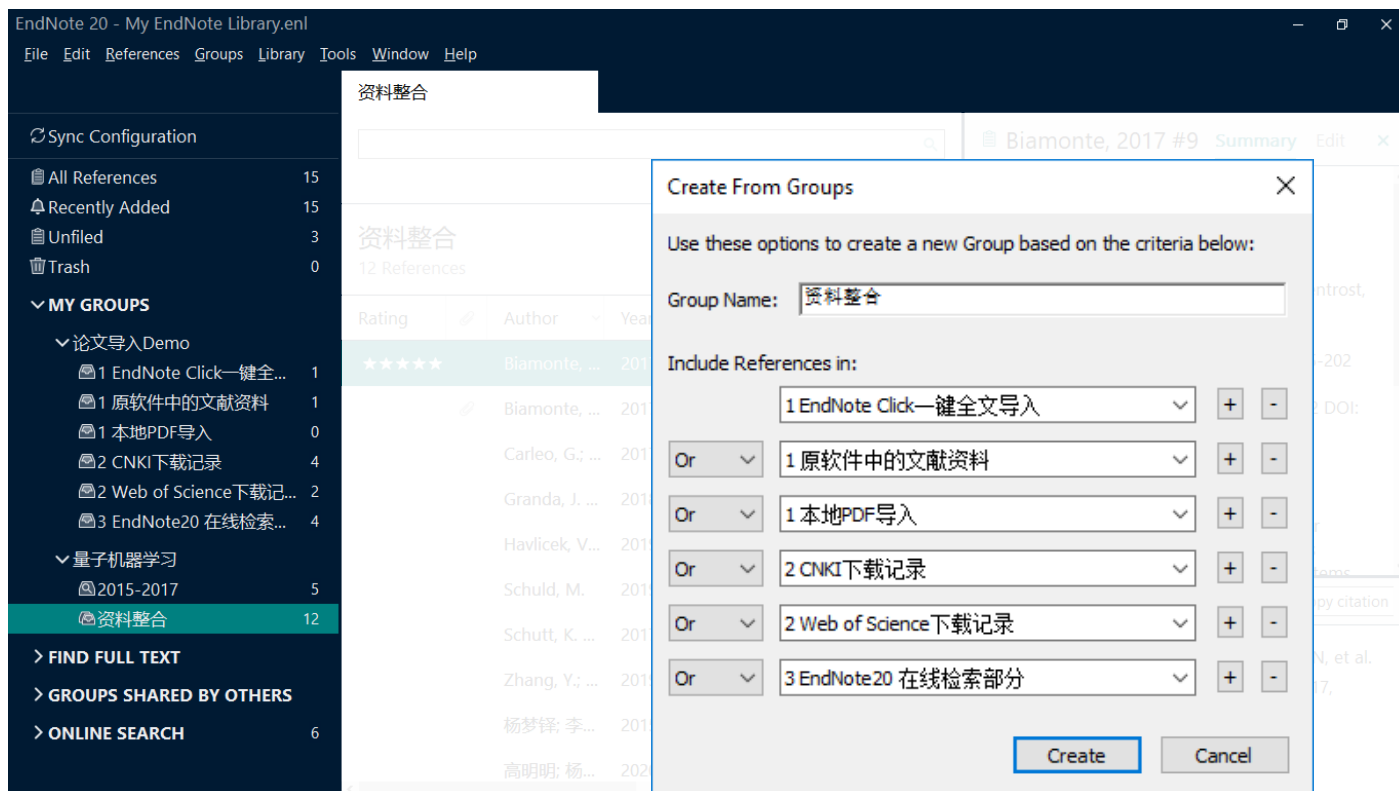
示例：自动生成出版年2015-2017的论文组合
设置：Year CONTAINS 2015, 2016, 2017



量子机器学习		
2015-2017		5
资料整合		12

■ 文献的分组

Create From Groups 整合已有的组

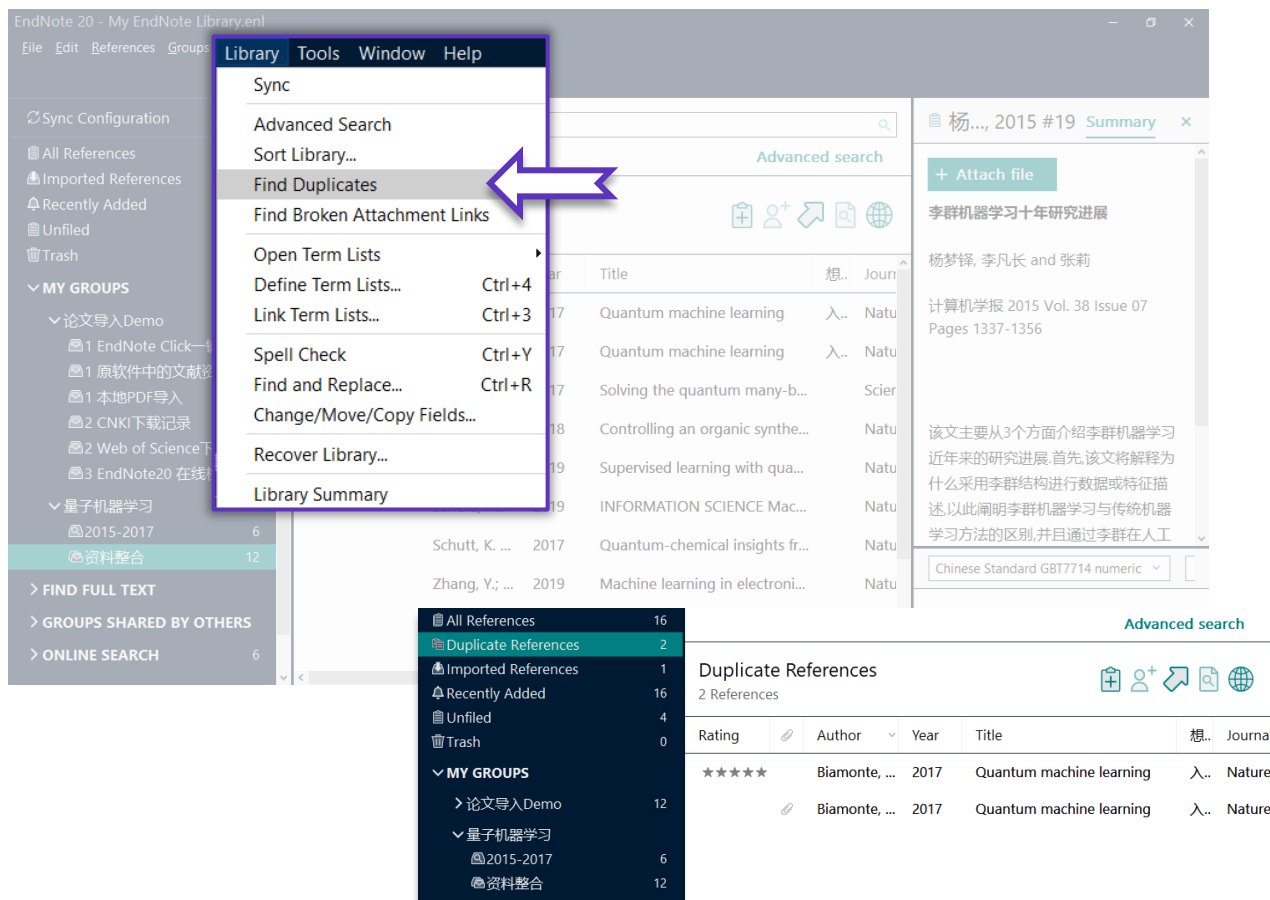


示例：
将已收录的多来源论文资料，
合并至同一组中



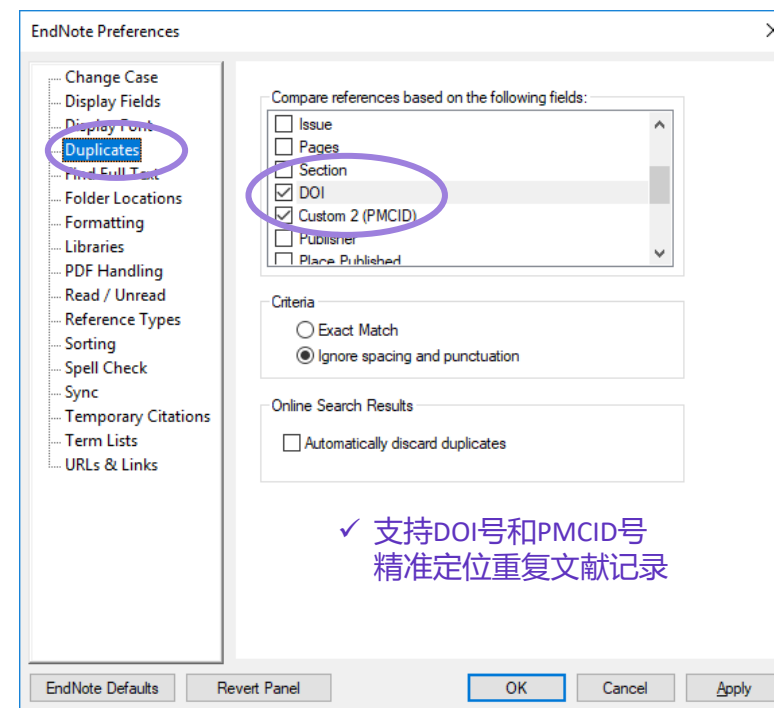
■ 文献的去重

Find Duplicates



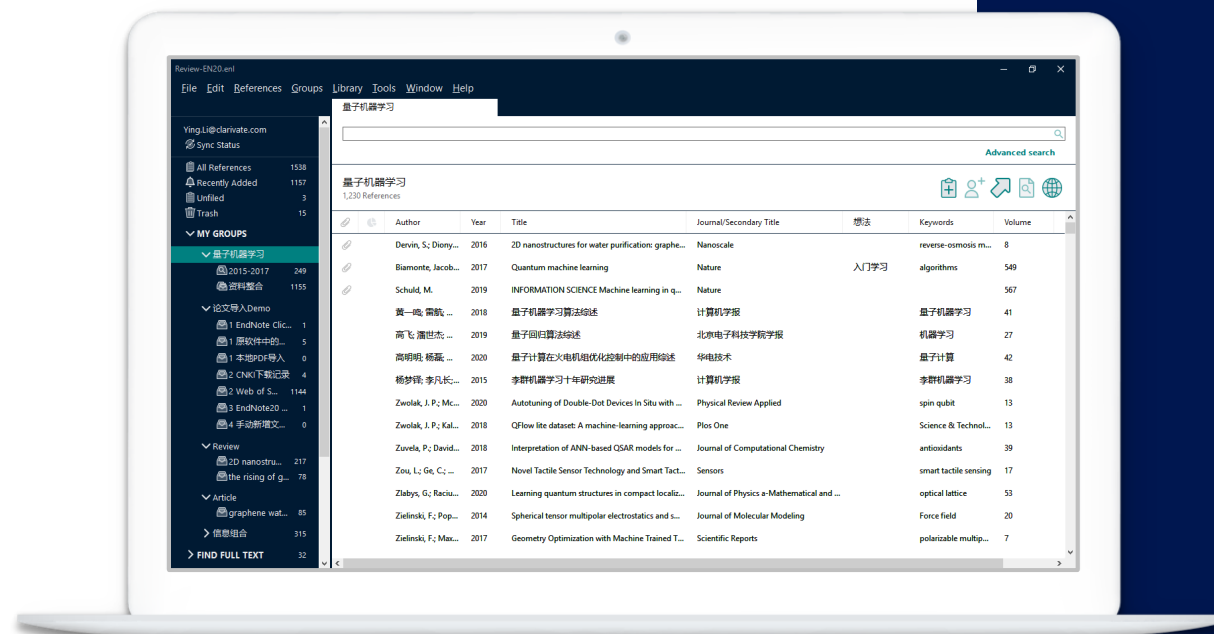
⇒ “重复文件” 定义的设置途径

Edit → Preferences



EndNote™ 20的文献分析

了解已有文献的影响力和发展



□ 与Web of Science的无缝连接

Web of Science 全记录页面

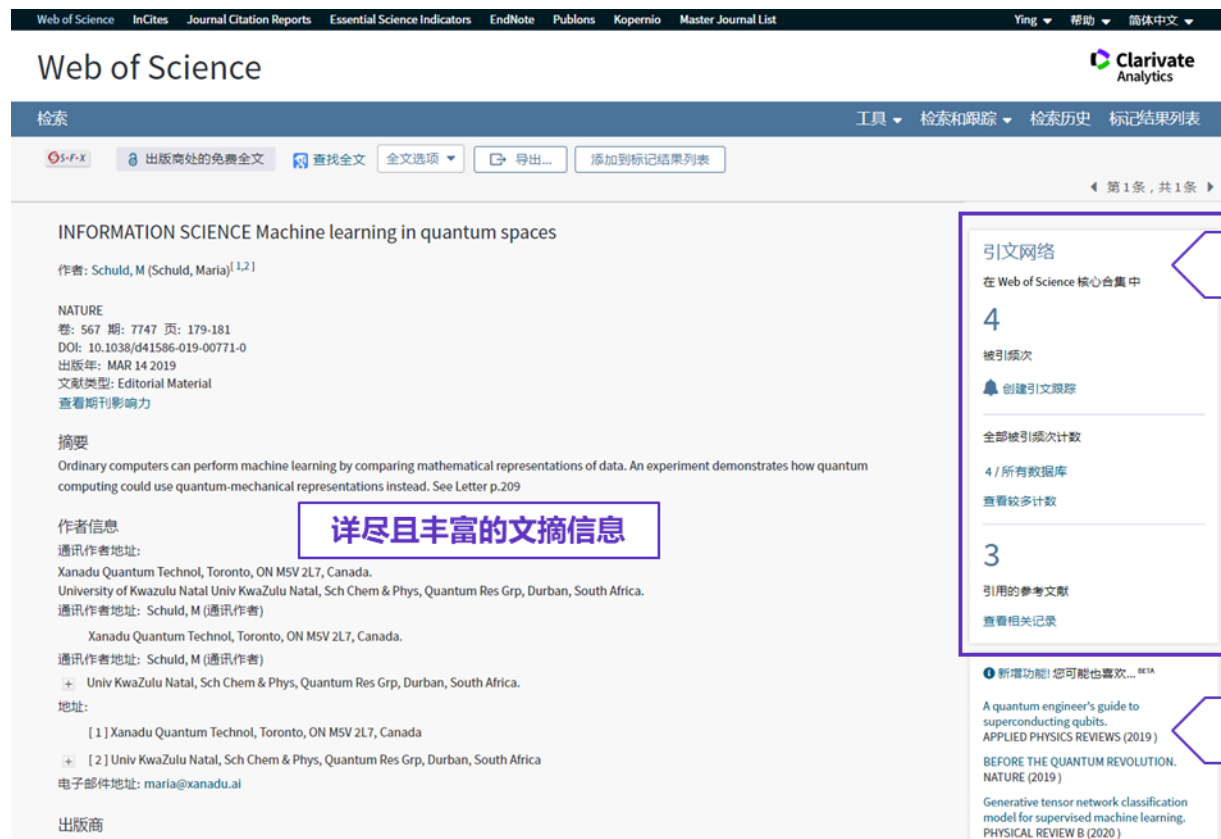
Web of Science 相关记录结果

一键式引文报告生成

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■ 与Web of Science的无缝连接：全记录页面

Web of Science article record



引文网络

✓ 实时、持续更新

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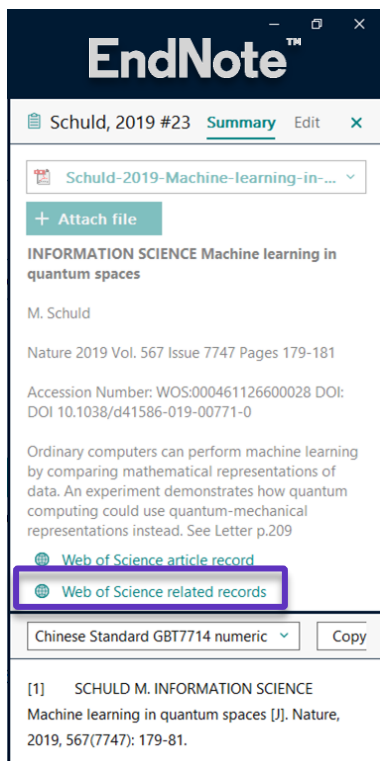
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Schuld, 2019 #23 Summary Edit X

Schuld-2019-Machine-learning-in-...

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INFORMATION SCIENCE Machine learning in quantum spaces

M. Schuld

Nature 2019 Vol. 567 Issue 7747 Pages 179-181

Accession Number: WOS:000461126600028 DOI: DOI 10.1038/d41586-019-00771-0

Ordinary computers can perform machine learning by comparing mathematical representations of data. An experiment demonstrates how quantum computing could use quantum-mechanical representations instead. See Letter p.209

Web of Science article record

Web of Science related records

Chinese Standard GBT7714 numeric Copy

[1] SCHULD M. INFORMATION SCIENCE Machine learning in quantum spaces [J]. Nature, 2019, 567(7747): 179-81.



Web of Science



Web of Science InCites Journal Citation Reports Essential Science Indicators EndNote Publons Kopernio Master Journal List Ying 帮助 简体中文

Clarivate Analytics

检索 工具 检索和跟踪 检索历史 标记结果列表

排序方式: 相关性 日期 被引频次 使用次数 更多

相关记录: 3,137 (来自 Web of Science 核心合集)

对于: INFORMATION SCIENCE Machine learning in quantum spaces ...更多内容

精炼检索结果

在如下结果集内检索...

过滤结果依据:

- ☐ 领域中的高被引论文 (36)
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精炼

出版年

Web of Science 类别

文献类型

机构扩展

相关记录检索结果

1. A quantum extension of SVM-perf for training nonlinear SVMs in almost linear time

作者: Allcock, Jonathan; Hsieh, Chang-Yu

QUANTUM 卷:4 出版年: OCT 9 2020

查看摘要

2. Quantum implementation of an artificial feed-forward neural network

作者: Tacchino, Francesco; Barkoutsos, Panagiotis; Macchiavello, Chiara; 等.

QUANTUM SCIENCE AND TECHNOLOGY 卷:5 期:4 文献号: 044010 出版年: OCT 2020

出版商处的全文 查看摘要

3. Robust data encodings for quantum classifiers

作者: LaRose, Ryan; Coyle, Brian

PHYSICAL REVIEW A 卷:102 期:3 文献号: 032420 出版年: SEP 29 2020

出版商处的全文 查看摘要

分析检索结果 创建引文报告

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共同引用的参考文献: 2

使用次数

被引频次: 0 (来自 Web of Science 的核心合集)

引用的参考文献: 52

共同引用的参考文献: 2

使用次数

被引频次: 0 (来自 Web of Science 的核心合集)

引用的参考文献: 87

共同引用的参考文献: 2

使用次数

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✓ 借助Web of Science平台对最新研究进展多视角分析

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File Edit Library Tools Window Help

资料整合

11 References

Rating	Author	Year	Title	Journal/Sec
	Biamonte, Ja...	2017	Quantum machine learning	Nature
	Carleo, G.; Tr...	2017	Solving the quantum many-body p...	Science
	Granda, J. M.;...	2018	Controlling an organic synthesis ro...	Nature
	Havlicek, V.; ...	2019	Supervised learning with quantum...	Nature
	Schuld, M.	2019	INFORMATION SCIENCE Machine l...	Nature
	Schutt, K. T.; ...	2017	Quantum-chemical insights from d...	Nature Com
	Zhang, Y.; M...	2019	Machine learning in electronic-qua...	Nature
	杨梦铎; 李凡...	2015	李群机器学习十年研究进展	计算机学报
	高明明; 杨磊...	2020	量子计算在火电机组优化控制中...	华电技术
	高飞; 潘世杰...	2019	量子回归算法综述	北京电子科
	黄一鸣; 雷航...	2018	量子机器学习算法综述	计算机学报

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- Create Group
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- Create Citation Report
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Web of Science

引文报告

检索: 返回检索结果

引文报告? 检索结果 来自 所有数据库 在文本之间 1864 2021 筛选

您的检索: WOS:00041055900032, WOS:00039363700043, WOS:00043965900051, WOS:00046385130001, WOS:00041236000028, WOS:00039336200001, WOS:00047280000043 ... 更多内容

此报告只包括输入“所有数据库”索引的数据库文献的引用情况。

7 分析

h-index 6

每篇平均引用次数 197.86

被引频次总计 1,385

总被引数 1,381

平均被引数 1,255 分析

总被引数 1,251 分析

图表方式: 被引频次 日期 更多

选择记录范围的结果范围, 从“引文报告”中删除记录	2017	2018	2019	2020	2021	总计	平均引用次数
1. Solving the quantum many-body problem with artificial neural networks	62	284	520	539	0	1385	197.86
2. Quantum machine learning	34	112	178	141	0	465	116.25
3. Quantum-chemical insights from deep tensor neural networks	7	71	149	147	0	374	93.50
4. Controlling an organic synthesis robot with machine learning to search for new reactivity	21	91	123	96	0	331	82.75
5. Supervised learning with quantum-enhanced feature spaces	0	10	45	61	0	116	29.00
6. Machine learning in electronic-quantum-matter imaging experiments	0	0	9	18	0	27	13.50
7. INFORMATION SCIENCE Machine learning in quantum spaces	0	0	3	1	0	4	2.00

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结果分析

<<返回上一页

Web of Science 类别

出版年

文献类型

机构扩展

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丛书名称

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国家/地区

编者

团体作者

语种

研究方向

授权号

机构

■ 基于个人图书馆的文献统计分析

Subject Bibliography

The screenshot shows the EndNote 20 software interface. The 'Tools' menu is open, and 'Subject Bibliography...' is highlighted. A purple arrow points from the 'Recently Added' section in the left sidebar to the 'Subject Bibliography...' option. The 'Subject Fields' dialog box is open, showing a list of fields for selection. The 'Selected Fields' list includes: Reference Type, Author, Year, Title, Secondary Author, Secondary Title, Place Published, Publisher, Volume, Number of Volumes, Number, Pages, Section, Tertiary Author, Tertiary Title, Edition, and Date. The 'List each author separately' checkbox is checked. The 'In other fields, list each entry that is separated by slash, carriage return or line feed. (Keywords entries are always listed separately.)' checkbox is unchecked. The 'Cancel' button is highlighted with a blue border.

Author	Year	Title	Journal
Schuld, M.	2019	INFORMATION SCIENCE Machine I...	Nature
黄一鸣; 雷航...	2018	量子机器学习算法综述	计算机
高飞; 潘世杰...	2019	量子回归算法综述	北京电
高明明; 杨磊...	2020	量子计算在火电机组优化控制中...	华电技
杨梦铎; 李凡...	2015	李群机器学习十年研究进展	计算机
Zwolak, J. P.; ...	2020	Autotuning of Double-Dot Device...	Physical
Zwolak, J. P.; ...	2018	QFlow lite dataset: A machine-lear...	Plos One
Zuvela, P.; D...	2018	Interpretation of ANN-based QSA...	Journal
Zou, L.; Ge, C...	2017	Novel Tactile Sensor Technology a...	Sensors

✓ 对多渠道整理的资料信息进行整合统计分析

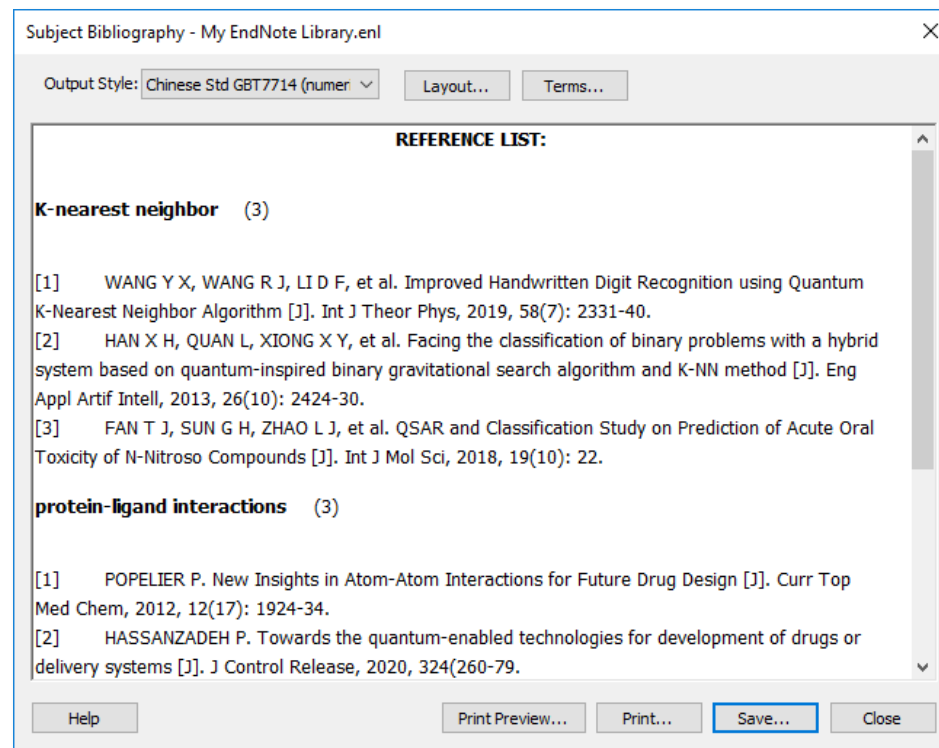
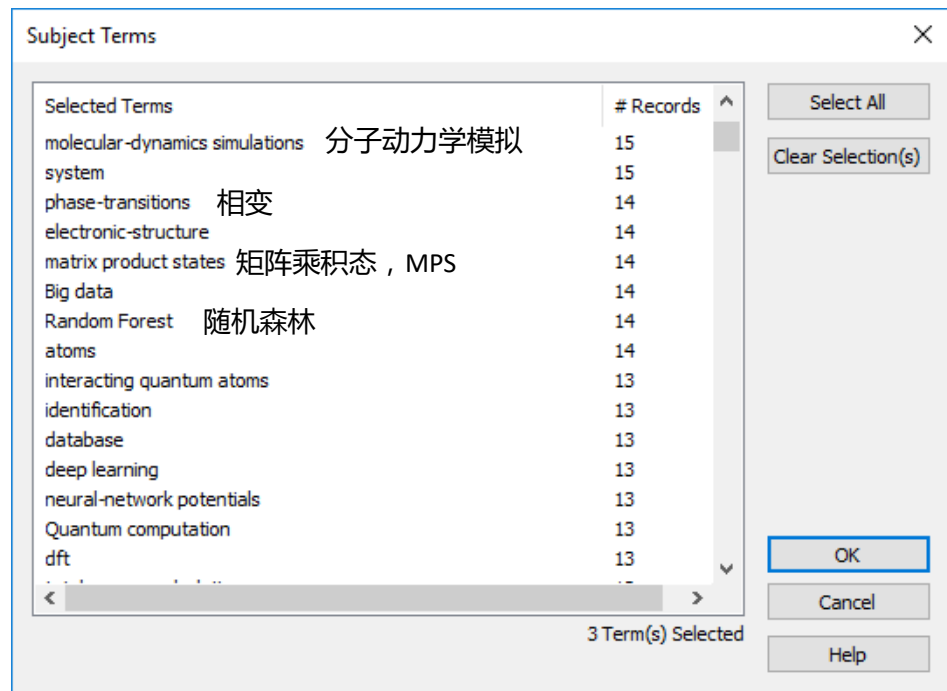
✓ 支持多字段合并统计

✓ 基于关键要点，快速挑选并分类已有信息

■ 基于个人图书馆的文献统计分析

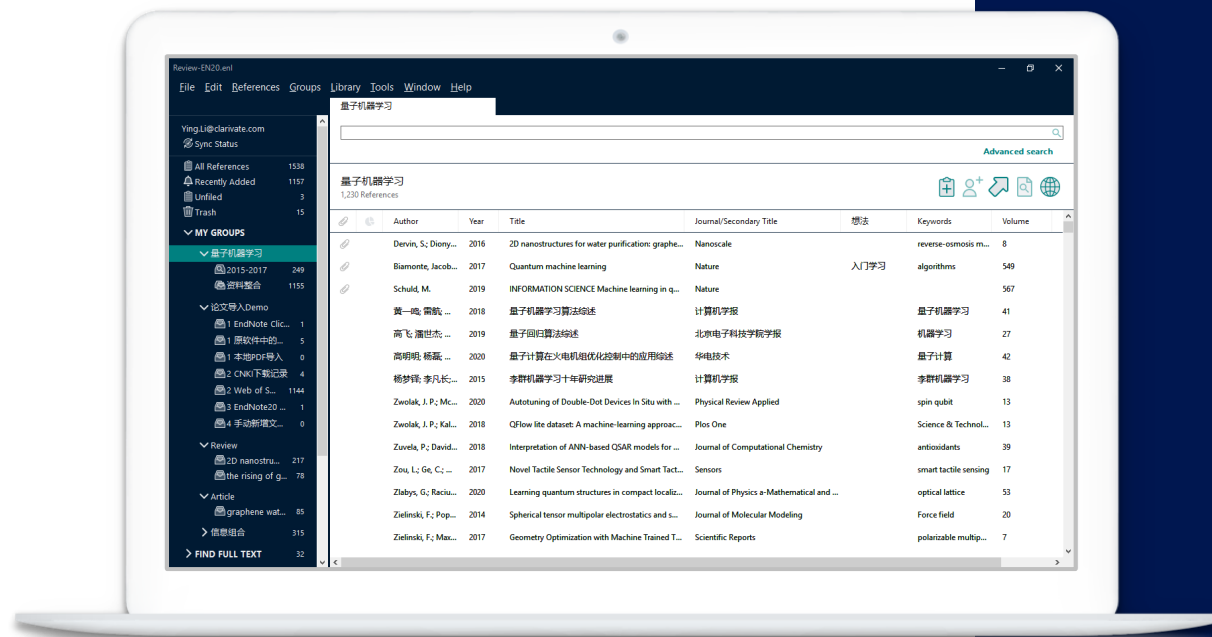
Subject Bibliography

示例：对已整理的文献进行关键词（keywords）统计分析



示例：基于感兴趣的关键词挑选文献，并自动呈现分类结果

EndNote™ 20的参考文献编排



□ 添加参考文献

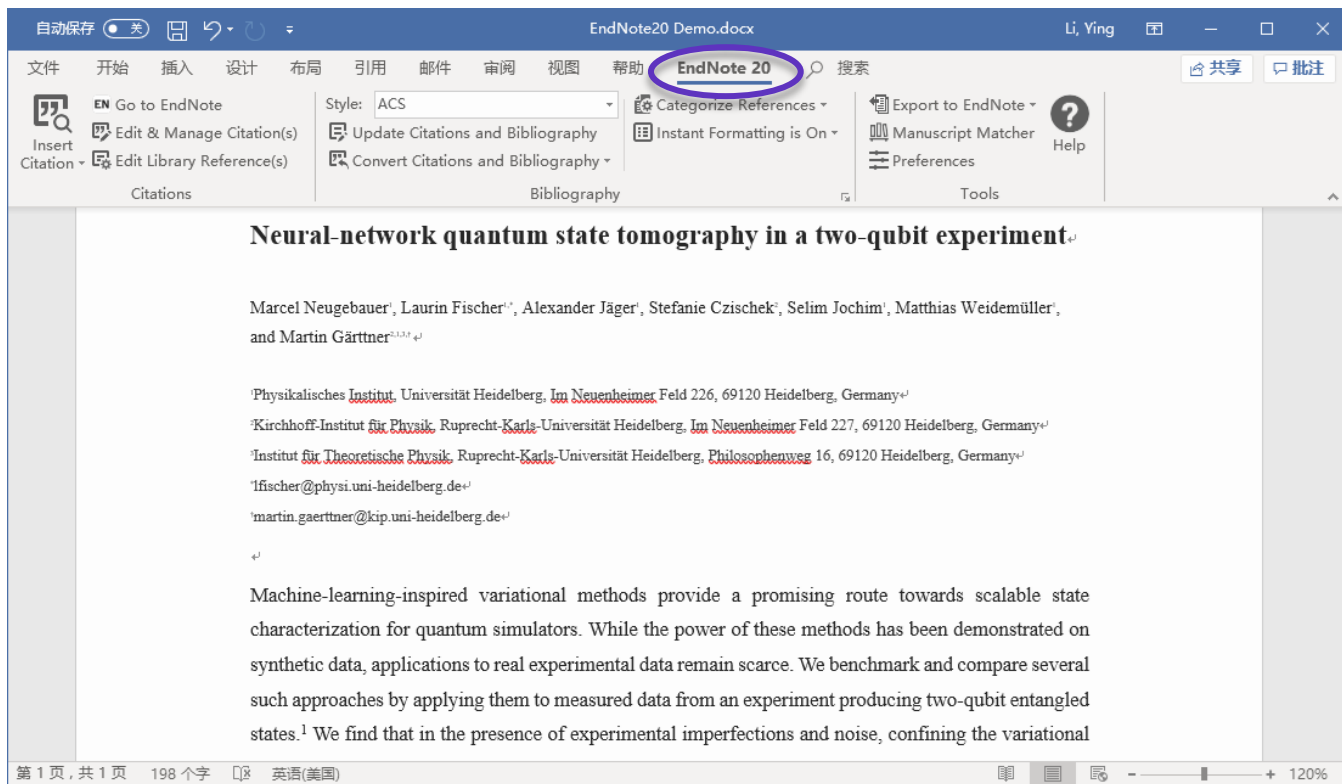
□ 参考文献的调整

□ 参考文献的一键格式修改

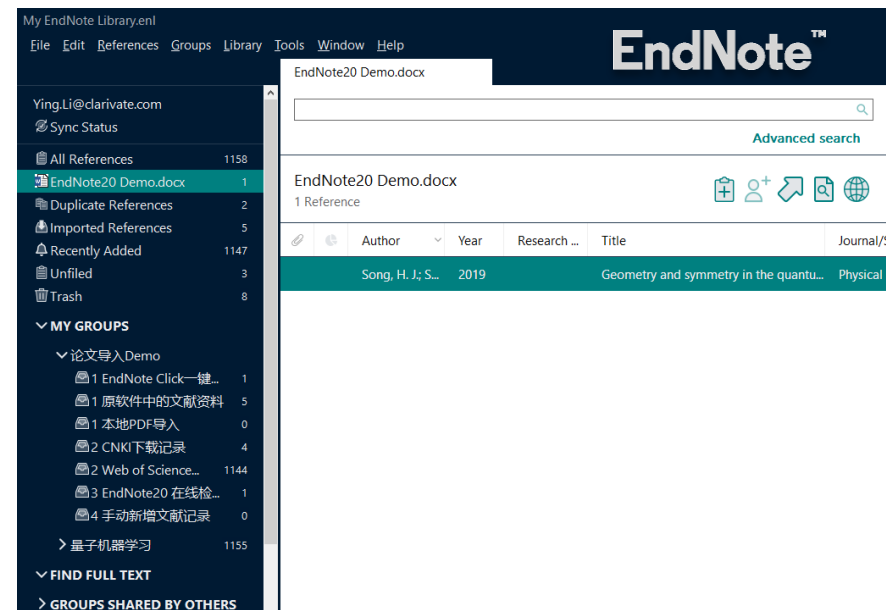
□ 获得更多参考文献格式模板

□ 创建自定义的参考文献格式（简版）

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■ 添加参考文献

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All References 1158

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Unfiled 3

Trash 8

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▼ 论文导入Demo

1 EndNote Click一键... 1

1 原软件中的文献资料 5

1 本地PDF导入 0

2 CNKI下载记录 4

2 Web of Science... 1144

3 EndNote20 在线检... 1

4 手动新增文献记录 0

▼ 量子机器学习

2015-2017 174

资料整合 1155

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GROUPS SHARED BY OTHERS

ONLINE SEARCH

BIOSIS Previews (Clarivate) 0

INSPEC (EBSCO) 0

资料整合

Advanced search

资料整合

1,155 References

Author	Year	Resea...	Title
Adhikary, S.; ...	2020		Supervised learning with a quantu...
Agresti, I.; Vi...	2019		Pattern Recognition Techniques fo...
Ahmed, R.; M...	2020		Towards 6G wireless networks-cha...
Ahmed, W. ...	2008		State of the art in information ext...
Aimeur, E.; Br...	2002		CLARISSE: A machine learning toc...
Aimeur, E.; Br...	2006		Machine Learning in a quantum w...
Alafeef, M.; ...	2020		Nano-enabled sensing approach...
Alajmi, M. S...	2020		Prediction and Optimization of Su...
Albarran-Arri...	2018		Measurement-based adaptation p...
Albrecht, T.; ...	2018		Electrochemical processes at the r...
Alderson, R. ...	2012		Enzyme Informatics

Ahmed, 2008 #476 Summary Edit

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State of the art in information extraction and quantitative analysis for multimodality biomolecular imaging

W. M. Ahmed, S. J. Leavesley, B. Rajwa, M. N. Ayyaz, A. Ghafoor and J. P. Robinson

Proceedings of the IEEE 2008 Vol. 96 Issue 3 Pages 512-531

Accession Number: WOS:000253299600011 DOI: 10.1109/jproc.2007.913556

Rapid advances in optical instrumentation, highspeed cameras, and fluorescent probes have spurred tremendous growth in the volume of biomolecular imaging data. Various optical imaging modalities are used for probing biological systems in vivo and in vitro. These include traditional two-dimensional imaging, three-dimensional confocal imaging, time-lapse imaging, and multispectral imaging. Many applications require a combination of these imaging

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[1] AHMED W M, LEAVESLEY S J, RAJWA B, et al. State of the art in information extraction and quantitative analysis for multimodality biomolecular imaging [J]. Proc IEEE, 2008, 96(3): 512-31.



.....

[1] AHMED W M, LEAVESLEY S J, RAJWA B, et al. State of the art in information extraction and quantitative analysis for multimodality biomolecular imaging [J]. Proc IEEE, 2008, 96(3): 512-31.

✓ 一键快速粘贴使用

■ 添加参考文献

Insert Citation

① 选择合适的参考文献格式

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⑤

⑥ 选中待添加的参考文献

⑦

Neural-network quantum state tomography in a two-qubit experiment

Marcel Neugebauer¹, Laurin Fischer^{1,2}, Alexander Jäger¹, Stefanie Czischek¹, Selim Jochim¹, Matthias Weidemüller¹, and Martin Gärtner^{1,2,3}

¹Physikalisches Institut, Universität Heidelberg, Im Neuenheimer Feld 226, 69120 Heidelberg, Germany¹

²Kirchhoff-Institut für Physik, Ruprecht-Karls-Universität Heidelberg, Im Neuenheimer Feld 227, 69120 Heidelberg, Germany²

³Institut für Theoretische Physik, Ruprecht-Karls-Universität Heidelberg, Philosophenweg 16, 69120 Heidelberg, Germany³

¹fischer@physi.uni-heidelberg.de¹

²martin.gaertner@kip.uni-heidelberg.de²

Machine-learning-inspired variational methods provide a promising route towards scalable state characterization for quantum simulators. While...

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quantum simulators Find Search: Libraries

Author	Year	Title
Melnikov	2018	Active learning machine learns to create new quantum experiments
Kasabov	2007	Brain gene ontology and simulation system (BGOS) for a better understanding of the brain
Wang	2017	Experimental quantum Hamiltonian learning
Teoh	2020	Machine learning design of a trapped-ion quantum spin simulator
Santagati	2019	Magnetic-Field Learning Using a Single Electronic Spin in Diamond with One-Photon Readout at Room
Torlai	2018	Neural-network quantum state tomography
Neugebauer	2020	Neural-network quantum state tomography in a two-qubit experiment
Wiebe	2015	Quantum bootstrapping via compressed quantum tomography
Schmitt	2020	Quantum Many-Body Dynamics in Two Dimensions with Artificial Neural Networks
Killoran	2019	Strawberry Fields: A Software Platform for Photonic Quantum Computing

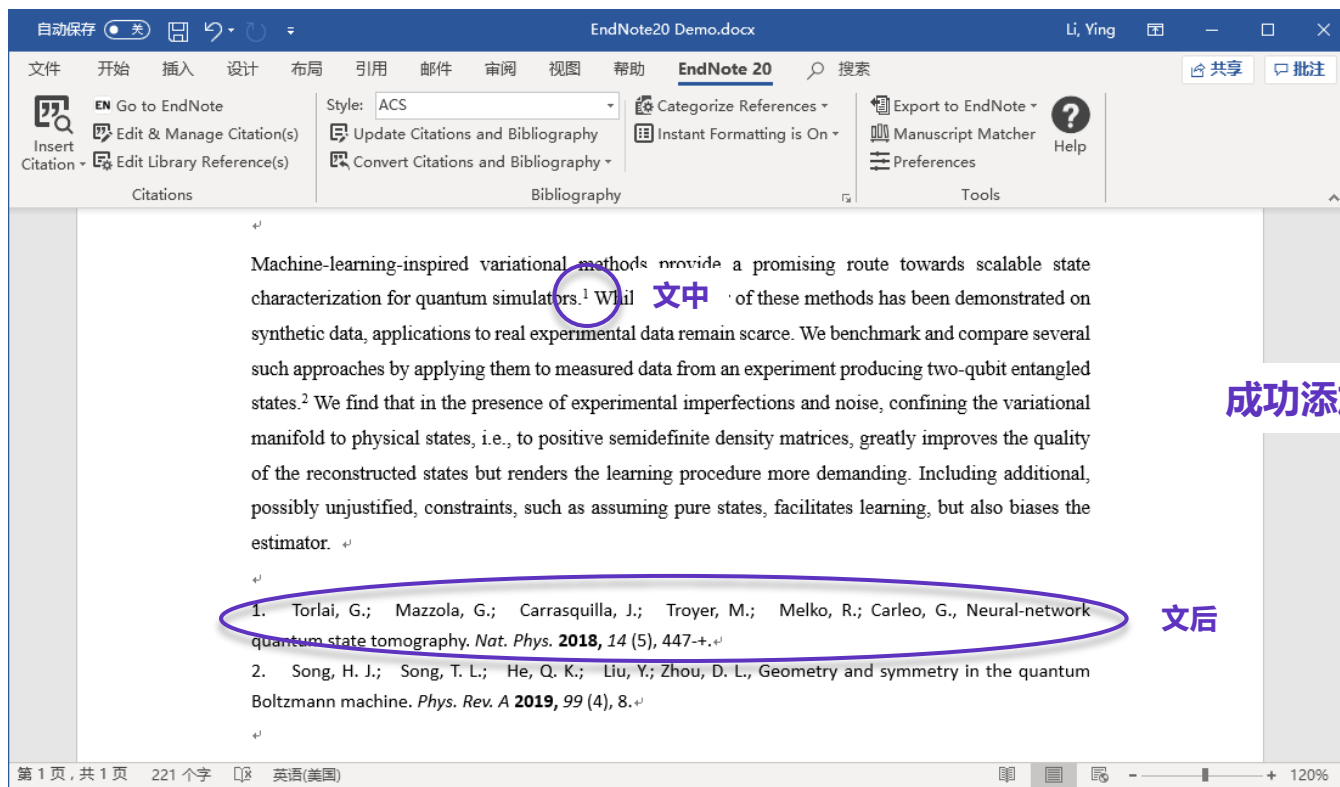
Type of Article: Article
Alternate Journal: Nat. Phys.
ISSN: 1745-2473
DOI: 10.1038/s41567-018-0048-5
Accession Number: WOS:000431301800015
Keywords: entanglement
Physics
Abstract: The experimental realization of increasingly complex synthetic quantum systems calls for the development of general theoretical methods to validate and fully exploit quantum resources.

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▼ 量子机器学习

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All References

density matrices

1 检索相应的文献

Advanced search

Searching 资料整合

13 References

Author	Year	Title	Journal/Secondary Title	Keywords
Hara, S.; Ono...	2014	Anomaly detection in reconstructed q...	Physical Review A	model
Hara, S.; Ono...	2016	Quantum-state anomaly detection for...	Physical Review A	Optics
Shapeev, A. V.	2016	MOMENT TENSOR POTENTIALS: A CL...	Multiscale Modeling & Simulation	machine learn
Biamonte, Ja...	2017	Quantum machine learning	Nature	algorithms
Elton, D. C.; B...	2018	Applying machine learning techniques...	Scientific Reports	impact sensi
Lu, S. R.; Hua...	2018	Separability-entanglement classifier vi...	Physical Review A	density-matrix
Zheng, H. H.; ...	2018	From Real Materials to Model Hamilto...	Frontiers in Physics	downfolding
Giannakis, D.	2019	Quantum-inspired and data-driven...	Physical Review X	model error
Travnicsek, V.; ...	2019	Quantum-inspired and data-driven...	Physical Review X	quantum telep
Xin, T.; Lu, S. ...	2019	Quantum-inspired and data-driven...	Physical Review X	design
Zhang, Y. Z.; ...	2019	A quantum-inspired sentiment repres...	Applied Intelligence	Sentiment ana

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Li, Ying

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Style: ACS

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Categorize References Instant Formatting is On Manuscript Matcher Preferences Help

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such approaches by applying them to measured data from an experiment producing two-qubit entangled states.² We find that in the presence of experimental imperfections and noise, conf... nal manifold to physical states, i.e., to positive semidefinite density matrices,³⁻⁵ greatly... lity of the reconstructed states but renders the learning procedure more demanding. Including aomonal, possibly unjustified, constraints, such as assuming pure states, facilitates learning, but also biases the estimator.

1. Torlai, G.; Mazzola, G.; Carrasquilla, J.; Troyer, M.; Melko, R.; Carleo, G., Neural-network quantum state tomography. *Nat. Phys.* **2018**, *14* (5), 447-+.¹

2. Song, H. J.; Song, T. L.; He, Q. K.; Liu, Y.; Zhou, D. L., Geometry and symmetry in the quantum Boltzmann machine. *Phys. Rev. A* **2019**, *99* (4), 042301.²

3. Shapeev, A. V., MOMENT TENSOR POTENTIALS: A CLASS OF SYSTEMATICALLY IMPROVABLE INTERATOMIC POTENTIALS. *Multiscale Model. Simul.* **2016**, *14* (3), 1153-1173.³

4. Lu, S. R.; Huang, S. L.; Li, K. R.; Li, J.; Chen, J. X.; Lu, D. W.; Ji, Z. F.; Shen, Y.; Zhou, D. L.; Zeng, B., Separability-entanglement classifier via machine learning. *Phys. Rev. A* **2018**, *98* (1), 8.⁴

5. Zheng, H. H.; Changlani, H. J.; Williams, K. T.; Busemeyer, B.; Wagner, L. K., From Real Materials to Model Hamiltonians: With Density Matrix Downfolding. *Front. Physics* **2018**, *6*, 16.⁵

文中

文后

3 按下键盘上的ALT+2（参见EndNote中的快捷键设置）
可快速切换至Word文件中，并自动在已指定位置插入选中的待引用文献

(需先在Word中选定好要引用书目数据的位置)

参考文献的调整

Edit & Manage Citation(s)

自动保存 关

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Citations Bibliography Tools

编辑&管理参考文献
Edit & Manage Citation(s)

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such approaches by applying them to measured data from as
states.² We find that in the presence of experimental imper
manifold to physical states, i.e., to positive semidefinite den
of the reconstructed states but renders the learning proced
possibly unjustified, constraints, such as assuming pure st
estimator.

1. Torlai, G.; Mazzola, G.; Carrasquilla, J.; Troyer, M.; Rohrer, C.; Dalmonte, M. Quantum state tomography. *Nat. Phys.* **2018**, *14* (5), 447-+.
2. Song, H. J.; Song, T. L.; He, Q. K.; Liu, Y.; Zhou, D. Boltzmann machine. *Phys. Rev. A* **2019**, *99* (4), 8.
3. Shapeev, A. V., MOMENT TENSOR POTENTIALS: A INTERATOMIC POTENTIALS. *Multiscale Model. Simul.* **2016**, *14*, 14.
4. Lu, S. R.; Huang, S. L.; Li, K. R.; Li, J.; Chen, J. X.;

EndNote 20 Edit & Manage Citations

Citation	Count	Library	
1			
↑ ↓ Torlai, 2018 #52	1	My EndNote Library	Edit Reference ▾
2			
↑ ↓ Song, 2019 #872	1	My EndNote Library	Edit Reference ▾
3-5			
↑ ↓ Shapeev, 2016 #62	1	My EndNote Library	Edit Reference ▾
↑ ↓ Lu, 2018 #222	1	My EndNote Library	Edit Reference ▾
↑ ↓ Zheng, 2018 #569	1	My EndNote Library	Edit Reference ▾

Edit Citation Reference

Formatting: Default ▾

Prefix:

Suffix:

Tools ▾

OK Cancel Help

Totals: 3 Citation Groups, 5 Citations, 5 References

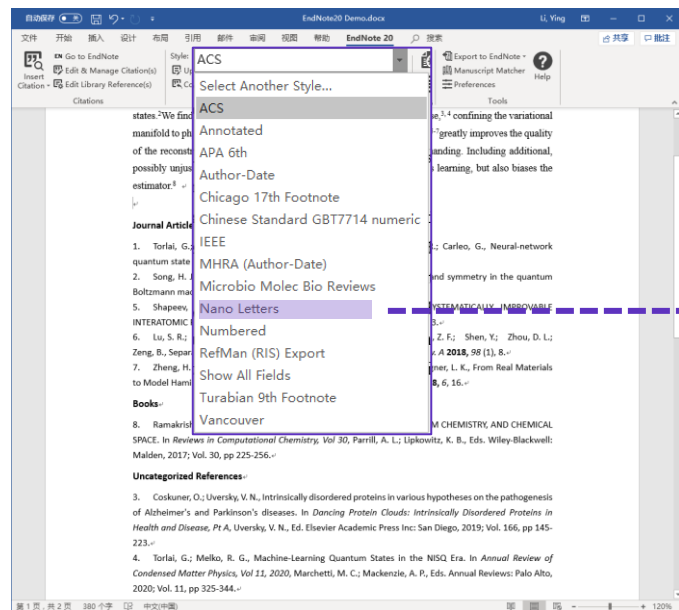
插入（批量插入）文献

删减文献

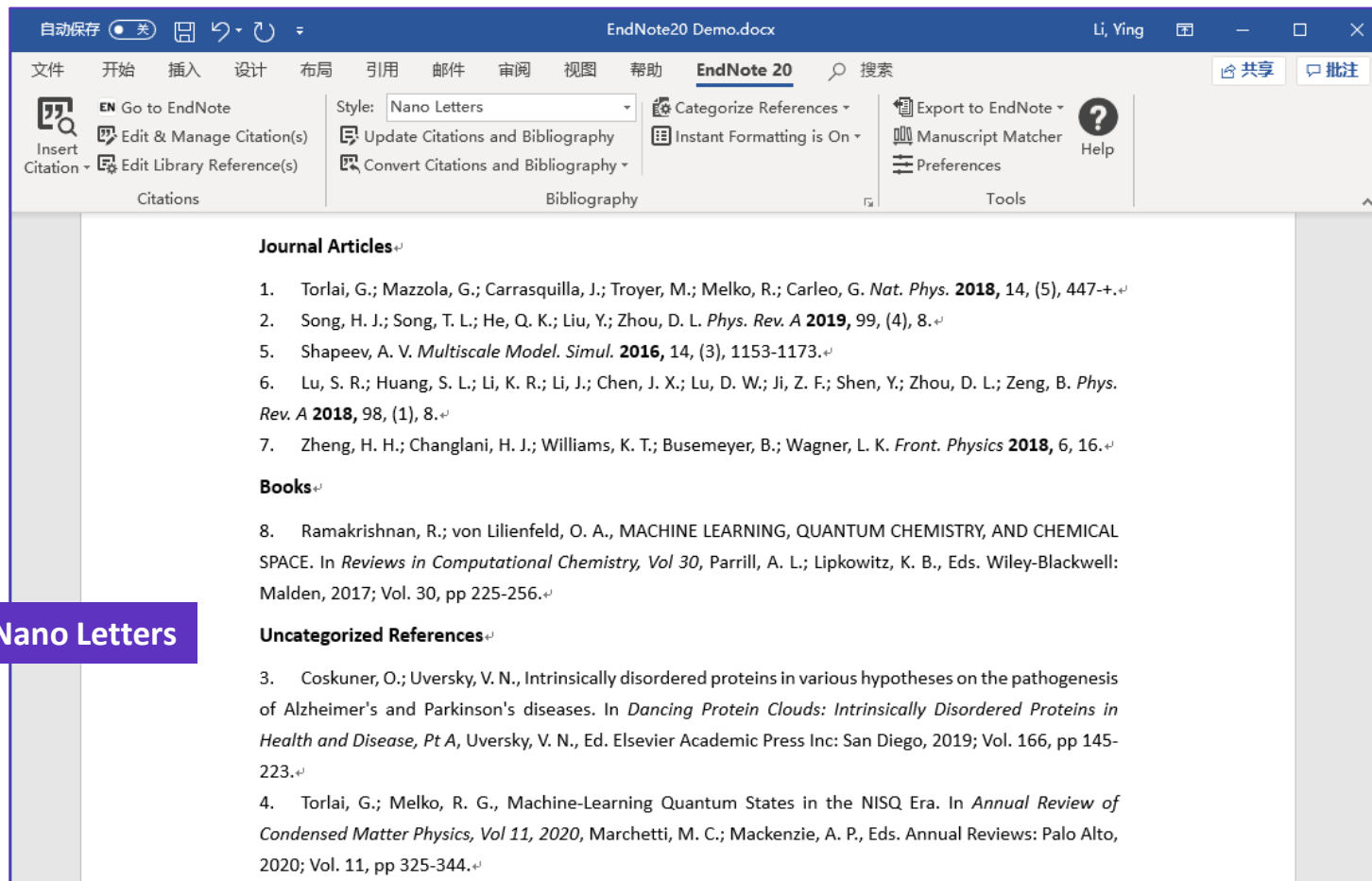
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参考文献格式一键切换

Style下拉菜单



Style: ACS



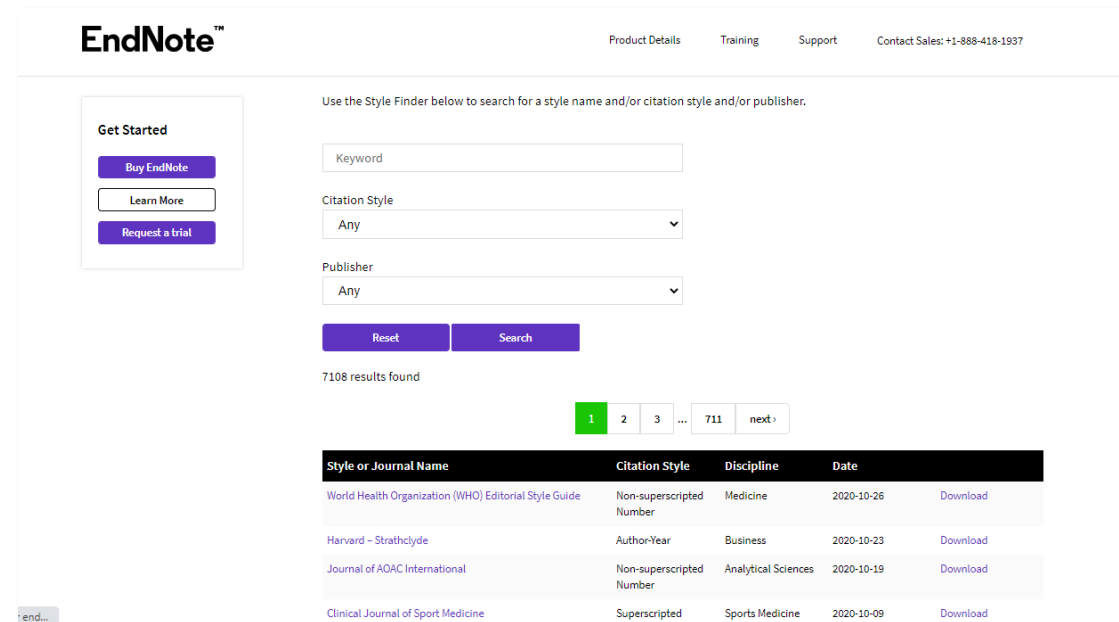
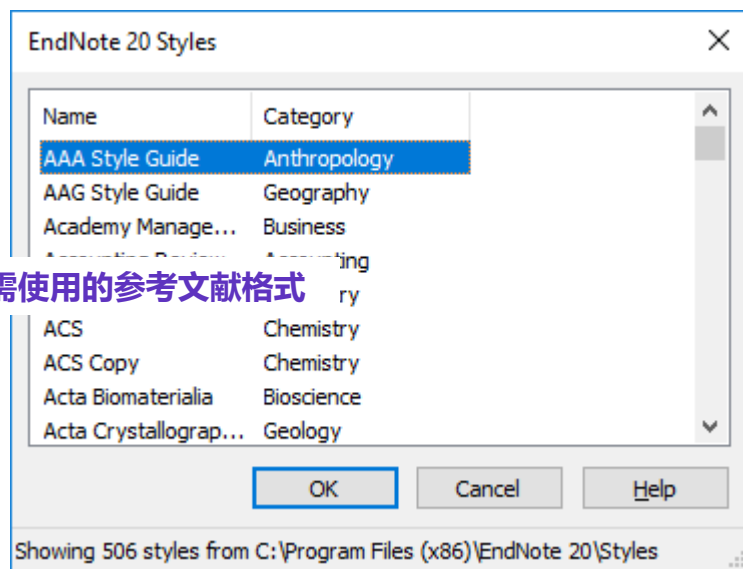
Style: Nano Letters

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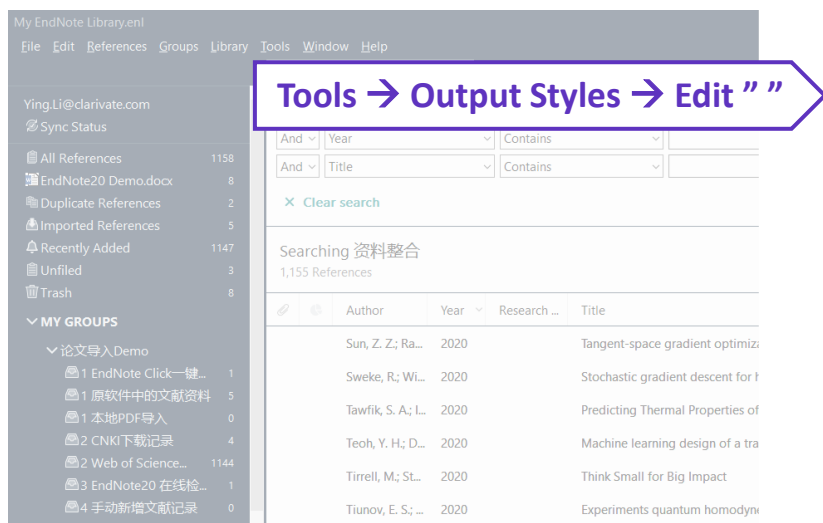
② 在列表中选择所需使用的参考文献格式



*7000+种参考文献格式模板下载：endnote.com/downloads/styles/

可直接下载学位论文参考文献通用格式的GB/T 7714模板

■ 创建自定义的参考文献格式

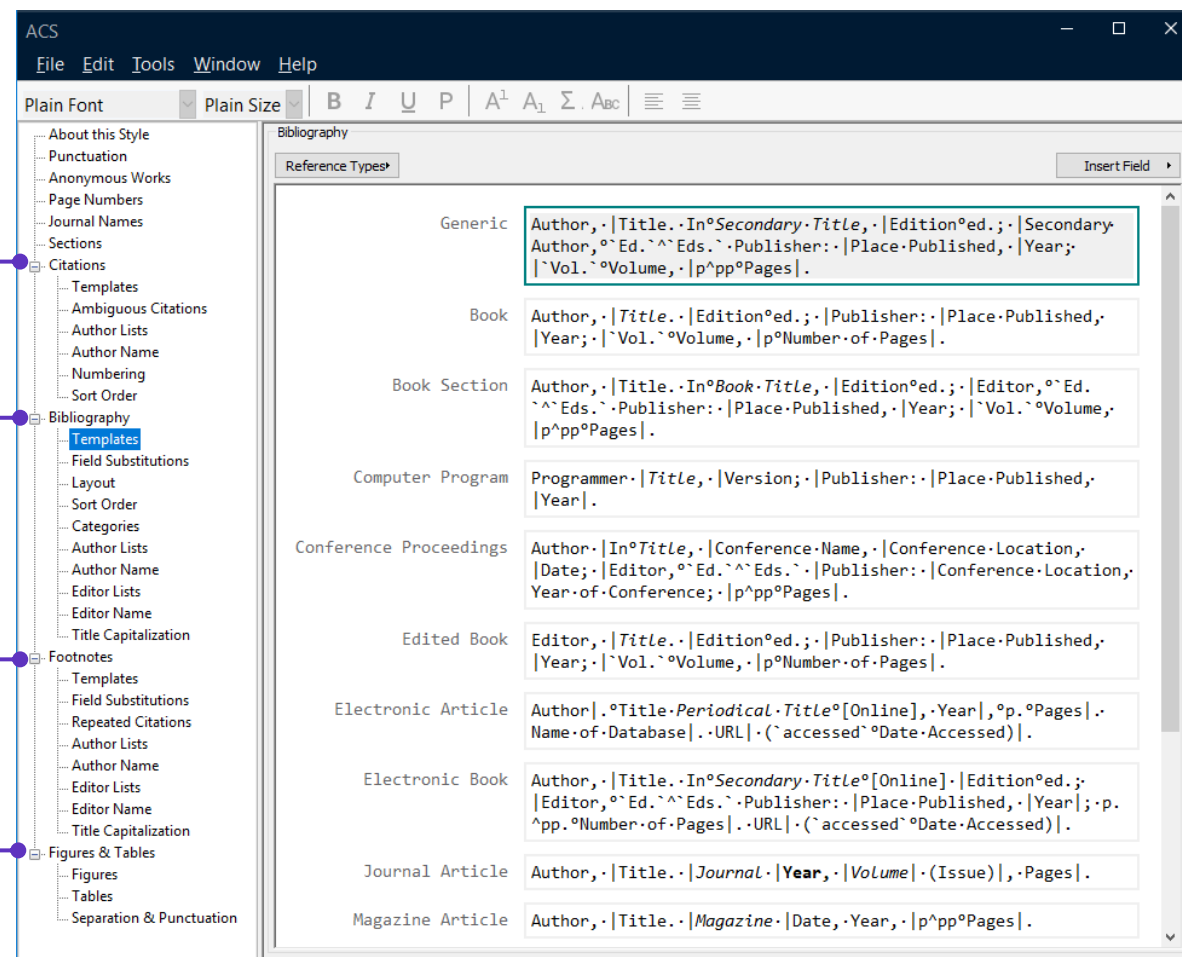


文中引文格式设置

文后引文格式设置

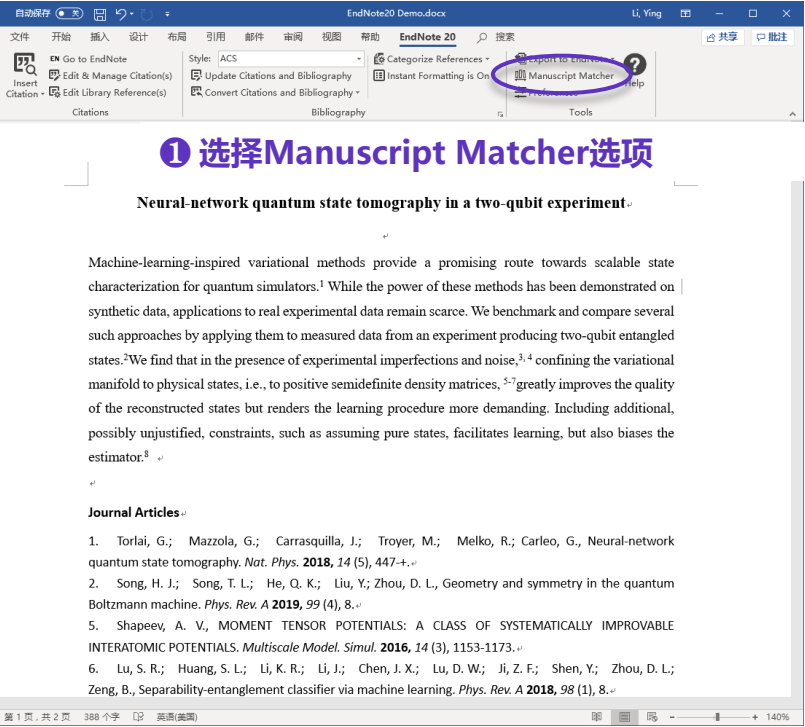
脚注 格式设置

图&表 格式设置



■ 投稿期刊推荐

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Clarivate Analytics | EndNote

我的参考文献 收集 组织 格式化 匹配 选项 下载项

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输入稿件详细信息:

*标题:

Neural-network quantum state tomography in a two-qubit experiment

*摘要:

Machine-learning-inspired variational methods provide a promising route towards scalable state characterization for quantum simulators. While the power of these methods has been demonstrated on synthetic data, applications to real experimental data remain scarce. We benchmark and compare several such approaches by applying them to measured data from an experiment producing two-qubit entangled states. We find that in the presence of experimental imperfections and noise, confining the variational manifold to physical states, i.e., to positive semidefinite density matrices, greatly improves the quality of the reconstructed states but renders the learning procedure more demanding. Including additional, possibly unjustified, constraints, such as assuming pure states, facilitates learning, but also biases the estimator.

*必填

*参考文献:

本次检索中将包含 8 个来自 EndNote20 Demo.docx 的引文

包含参考文献后, 我们就可以利用更多与您稿件有关的数据点进行匹配

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只要很少的一些信息, 例如标题、摘要和参考文献, 我们就可以帮您找出最适合投稿的期刊。

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Manuscript Matcher

① 选择Manuscript Matcher选项



Clarivate Analytics | EndNote

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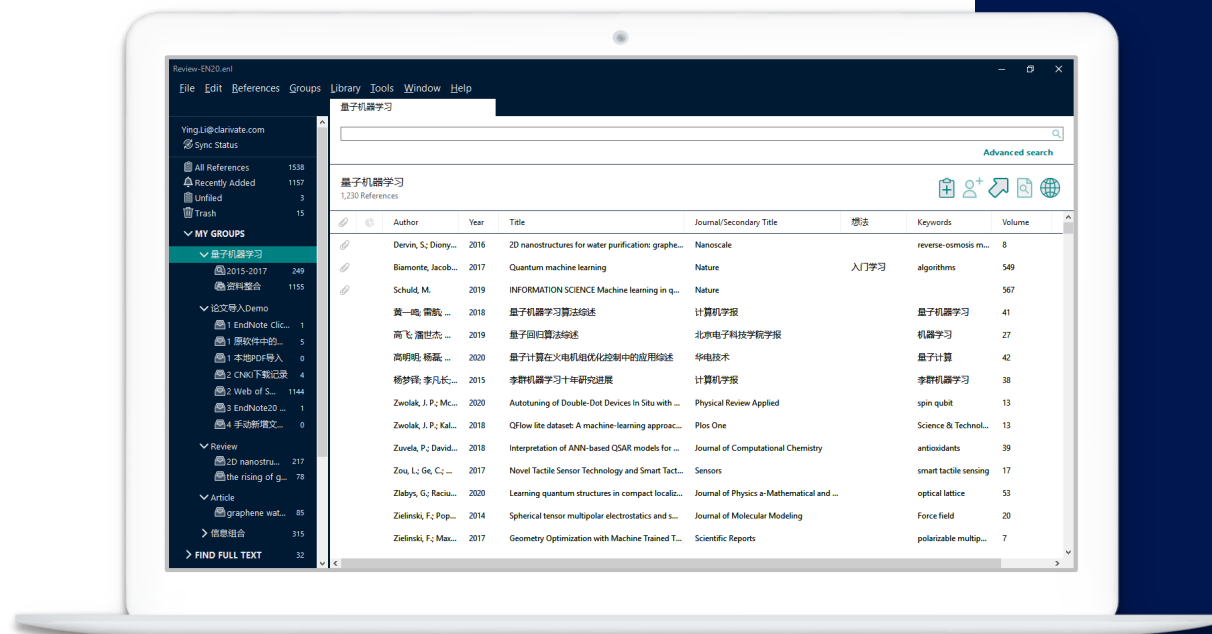
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6 匹配期刊

< 编辑稿件数据 全部展开 | 全部收起

匹配分数	JCR Impact Factor 当前年份 5 年	期刊	期刊投稿指南页	期刊信息页
<div><div></div></div>	8.385 2019	8.215 5 年	PHYSICAL REVIEW LETTERS	0
最高的关键词评级		JCR 类别	类别中的评级	类别中的
<div>experiment</div> <div>two-qubit entangled</div> <div>positive semidefinite density matrices</div> <div>quantum simulators</div> <div>experimental imperfections</div> <div>variational manifold</div>		PHYSICS, MULTIDISCIPLINARY	6/85	Q1
		出版商:		
		ONE PHYSICS ELLIPSE, COLLEGE PK, MD 20740-3844		
		ISSN: 0031-9007		
		eISSN: 1079-7114		
推荐期刊的信息——来自JCR				
<div><div></div></div>	2.494	2.53	ENTROPY	0

EndNote™ 20的备份与共享



□ 移动便携——压缩个人图书馆

□ 同步备份

□ Email一键发送

□ 共享你的分组

□ 共享你的图书馆

□ IN COMING SOON...

■ 移动便携——压缩个人图书馆

Compressed Library

The screenshot shows the EndNote interface with a purple arrow pointing to the menu path **File → Compressed Library(.enlx)...**. The main window displays a list of references under the group '资料整合' (1,155 References). A dialog box titled 'Compress Library (.enlx)' is open, showing the following options:

- ☒ **Create**
- ☐ Create & E-mail
- ☒ **With File Attachments** • 带附件压缩
- ☐ Without File Attachments • 不带附件
- ☒ **All References in Library:** • 压缩完整图书馆
- ☐ Selected Reference(s) • 压缩选中的参考文献
- ☐ All References in Group/Group Set: • 仅指定压缩某个组

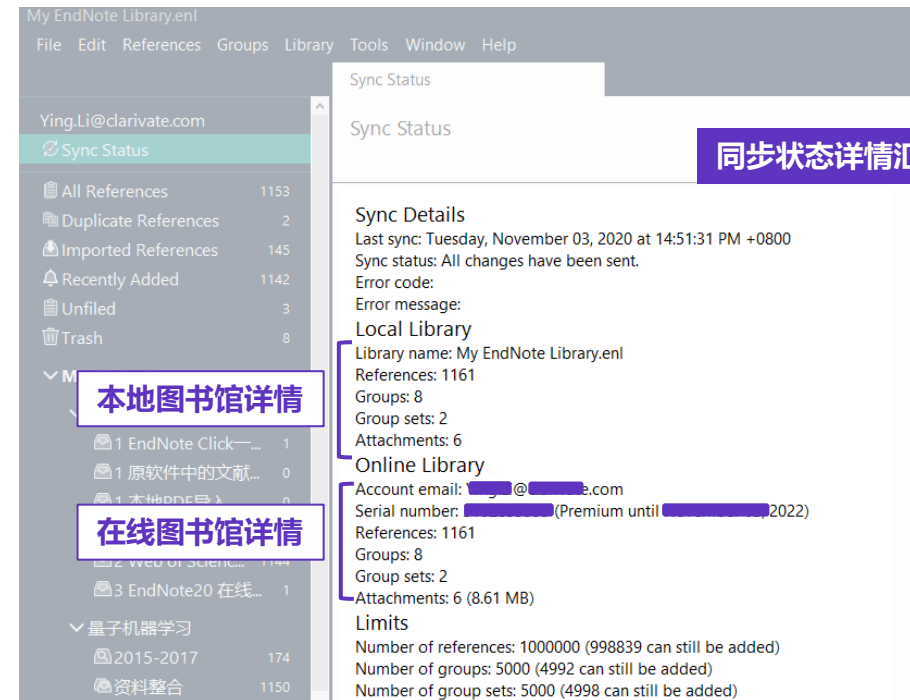
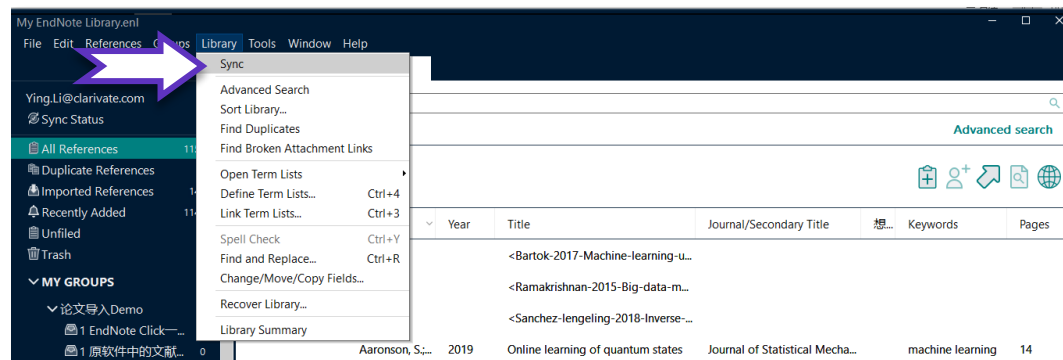
The 'All References in Library' option is selected, and the library name 'My EndNote Library.enl' is shown. The 'All References in Group/Group Set' option has a dropdown menu showing '论文导入Demo'. The 'Next' button is highlighted with a purple arrow.

■ 打开已压缩图书馆

File → Open Library...

■ 同步备份

同步 Sync



- ✓ 支持多达5000个论文分组
- ✓ 支持整理并线上线下同步保存多达100万篇参考文献
- ✓ 支持云端附件同步保存

Email 一键发送

Email Reference

The screenshot illustrates the process of sending a reference via email in EndNote 20. The main window shows the 'My EndNote Library' with a list of references. A right-click context menu is open over a reference, with 'E-mail Reference' highlighted. A purple arrow points to this option. To the right, a window titled 'Schuld 2019 reference from...' shows the email composition interface. The 'To' field is empty, the 'Subject' field contains 'Schuld 2019 reference from my EndNote library', and the 'Attachments' section shows a PDF file 'Schuld-2019-Machine-learning-in-quantum-spaces.... 677 KB'. The email body contains the reference text: '[1] SCHULD M. INFORMATION SCIENCE Machine learning in quantum spaces [J]. Nature, 2019, 567(7747): 179-81.'

EndNote 20 - My EndNote Library.enl

File Edit References Groups Library Tools Window Help

资料整合

Advanced search

资料整合
1,150 References

Rating Author Year Title Journal/Seco

Biamonte, Ja... 2017 Quantum machine learning Nature

Schuld, 2019 #23 Summary Edit x

Schuld-2019-Machine-learning-i...

+ Attach file

INFORMATION SCIENCE Machine learning in quantum spaces

M. Schuld

Nature 2019 Vol. 567 Issue

Accession Number: WOS:000471586-019-0000
DOI 10.1038/d41586-019-00000-0

Ordinary computers can pe...
learning by comparing ma...
representations of data. An...
demonstrates how quantu...
use quantum-mechanical r...
instead. See Letter p.209

Web of Science article

Web of Science relate

Chinese Standard GBT7714

[1] SCHULD M. INFORM...
Machine learning in quantu...
2019, 567(7747): 179-81.

文件 邮件 插入 选项 设置文本格式 审阅 帮助 Adobe PDF 告诉我

收件人...

抄送(C)...

发送(S)

主题(U)

附件(T)

Schuld 2019 reference from my EndNote library

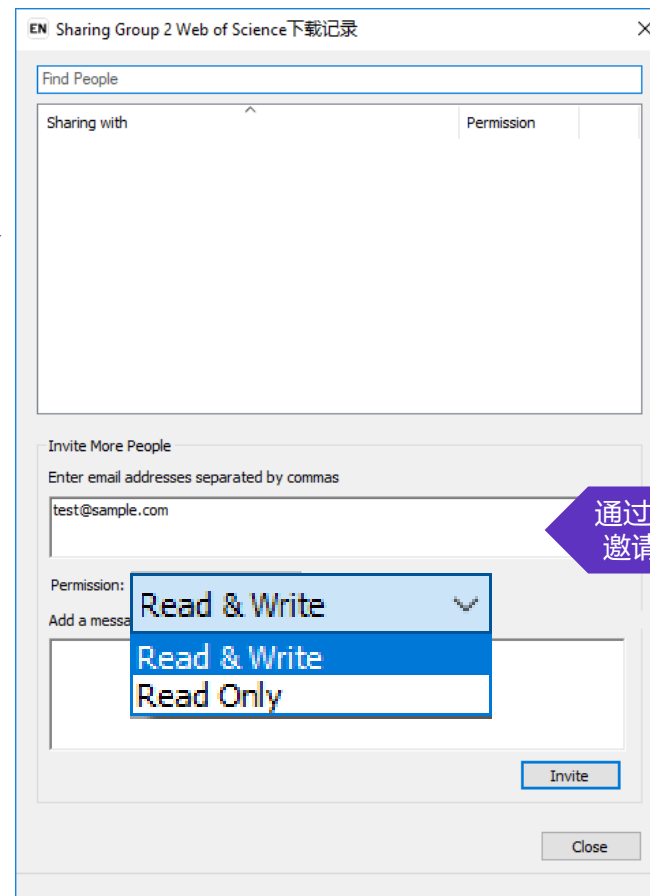
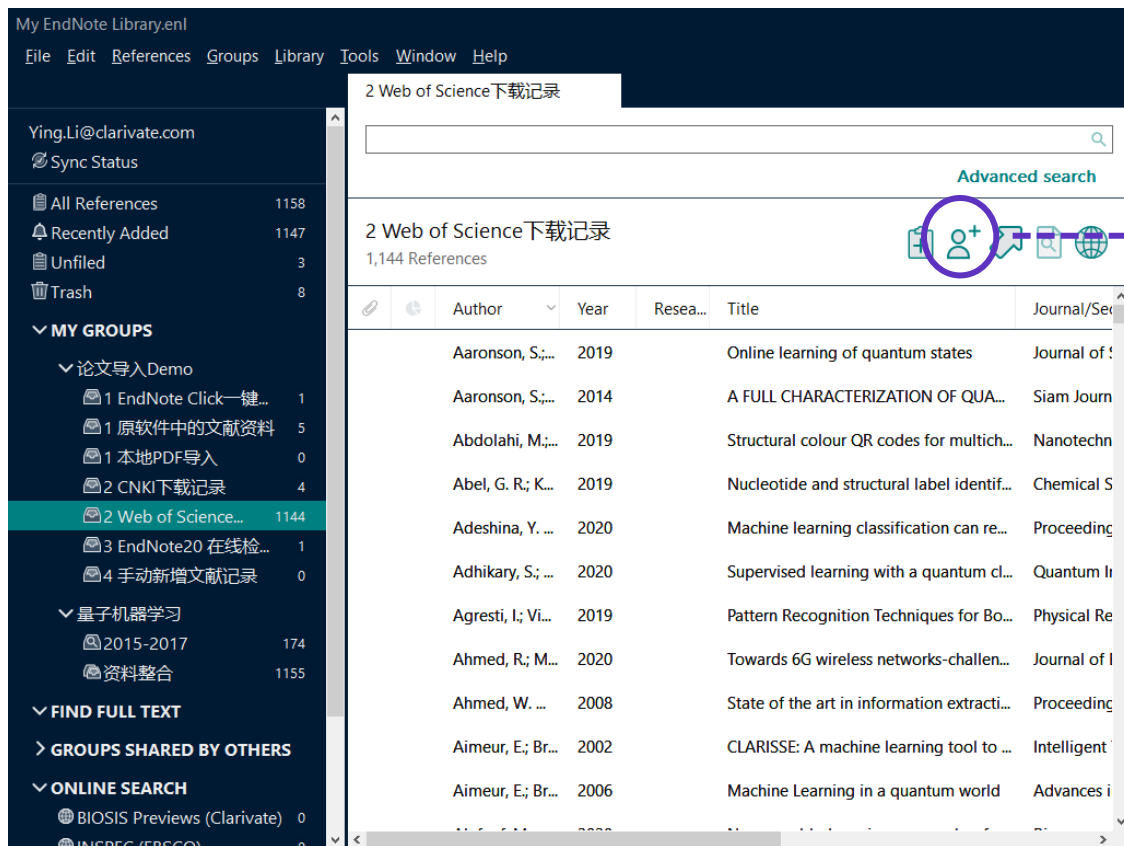
Schuld-2019-Machine-learning-in-quantum-spaces.... 677 KB

[1] SCHULD M. INFORMATION SCIENCE Machine learning in quantum spaces [J]. Nature, 2019, 567(7747): 179-81.

■ 共享你的分组

Share Group/ Share this Group

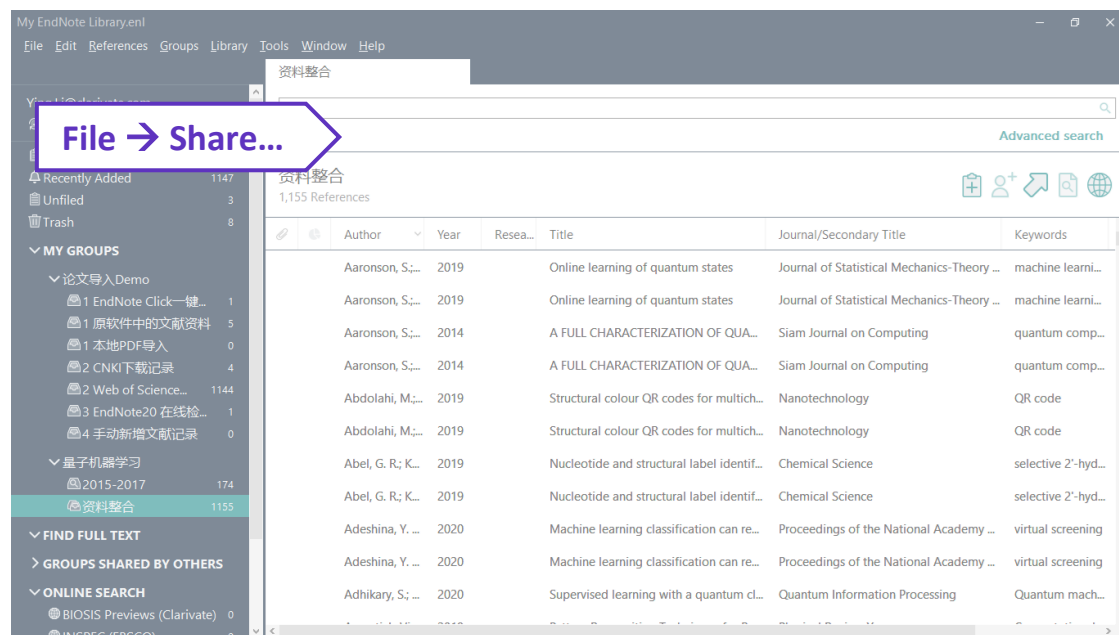
与团队成员分享文献分组资源，并且在共享时可限定访问权限为“只读”或“读写”



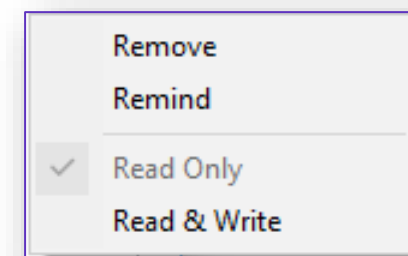
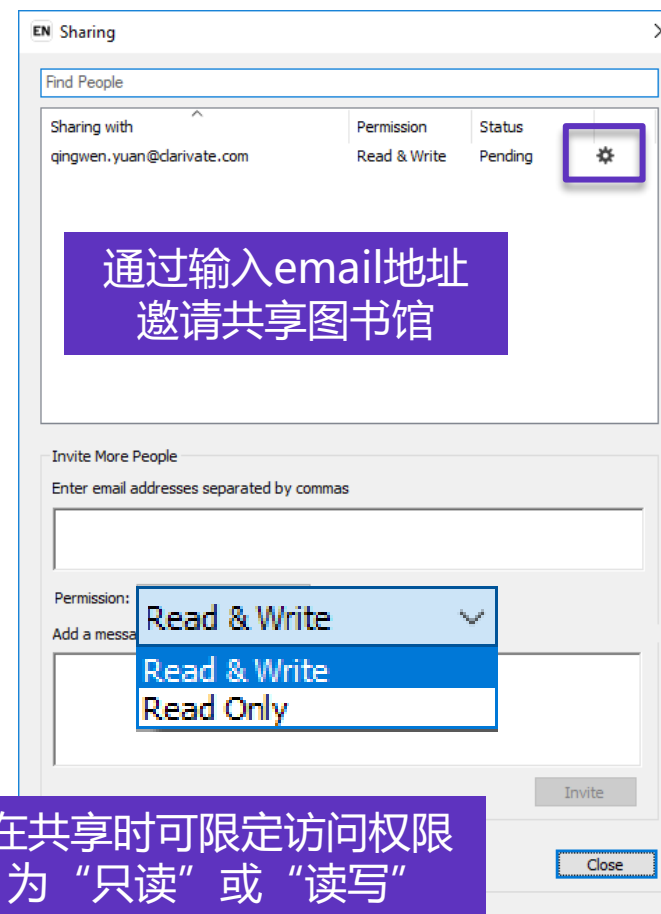
通过输入email地址
邀请共享文献分组

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- ✓ 最多可与**100位**成员共享一个文献数据库！



■ 共享你的图书馆

查看团队活动提醒

The image shows two screenshots of the Clarivate software interface. The top screenshot displays the 'Sync Status' window, which provides details about the last sync operation. The bottom screenshot shows the 'All References' window, which lists references and includes a search bar and various filters.

Top Screenshot: Sync Status

Menu: File Edit References Groups Library Tools Window Help

Sync Status

Sync now Refresh status

Synced on Tuesday, November 03, 2020 at 11:21 AM

- ... WANG added 118 attachments
- ... WANG modified 61 references
- ... WANG modified 3 attachments
- ... WANG moved 2098 references to the Trash
- ... WANG added 3135 new references
- ... WANG created a new Group "h-index"
- ... WANG deleted 4 Group Sets
- ... WANG deleted 18 Groups
- ... WANG deleted 3 Combo Groups

Bottom Screenshot: All References

Menu: File Edit References Groups Library Tools Window Help

Advanced search

Sync Status

3 References

Author	Year	Title	Journal/Secondary Title
Abnet, C. C.; ...	2012	Genotypic variants at 2q33 and risk of ...	Human Molecular Genetics
Bartra-More, ...	2019	[Performance assessment in microsc...	Rev Peru Med Exp Salud Publica
Salwiczek, L. ...	2009	The development of caching and obje...	Journal of Comparative Psycholog

Right Panel: Abnet-2012-Genotypic vari...

+ Attach file

Genotypic variants at 2q33 and risk of esophageal squamous cell carcinoma in China: a meta-analysis of genome-wide association studies

C. C. Abnet, Z. M. Wang, X. Song, N. Hu, F. Y. Zhou, N. D. Freedman, et al.

Human Molecular Genetics 2012 Vol. 21 Issue 9 Pages 2132-2141

Accession Number: WOS:000302302800018

谢谢！



科睿唯安 学术研究事业部

技术支持: ts.support.china@clarivate.com