



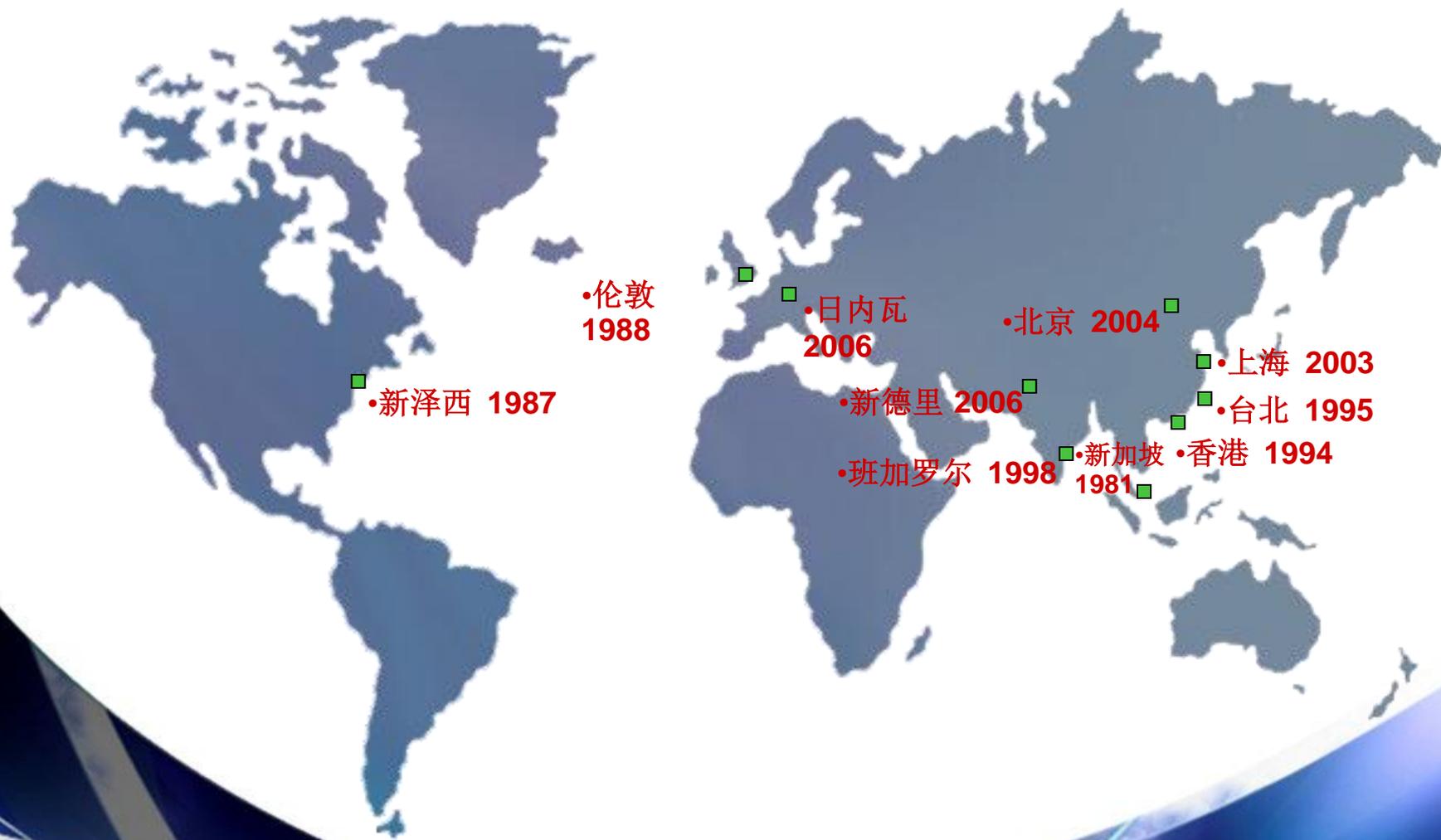
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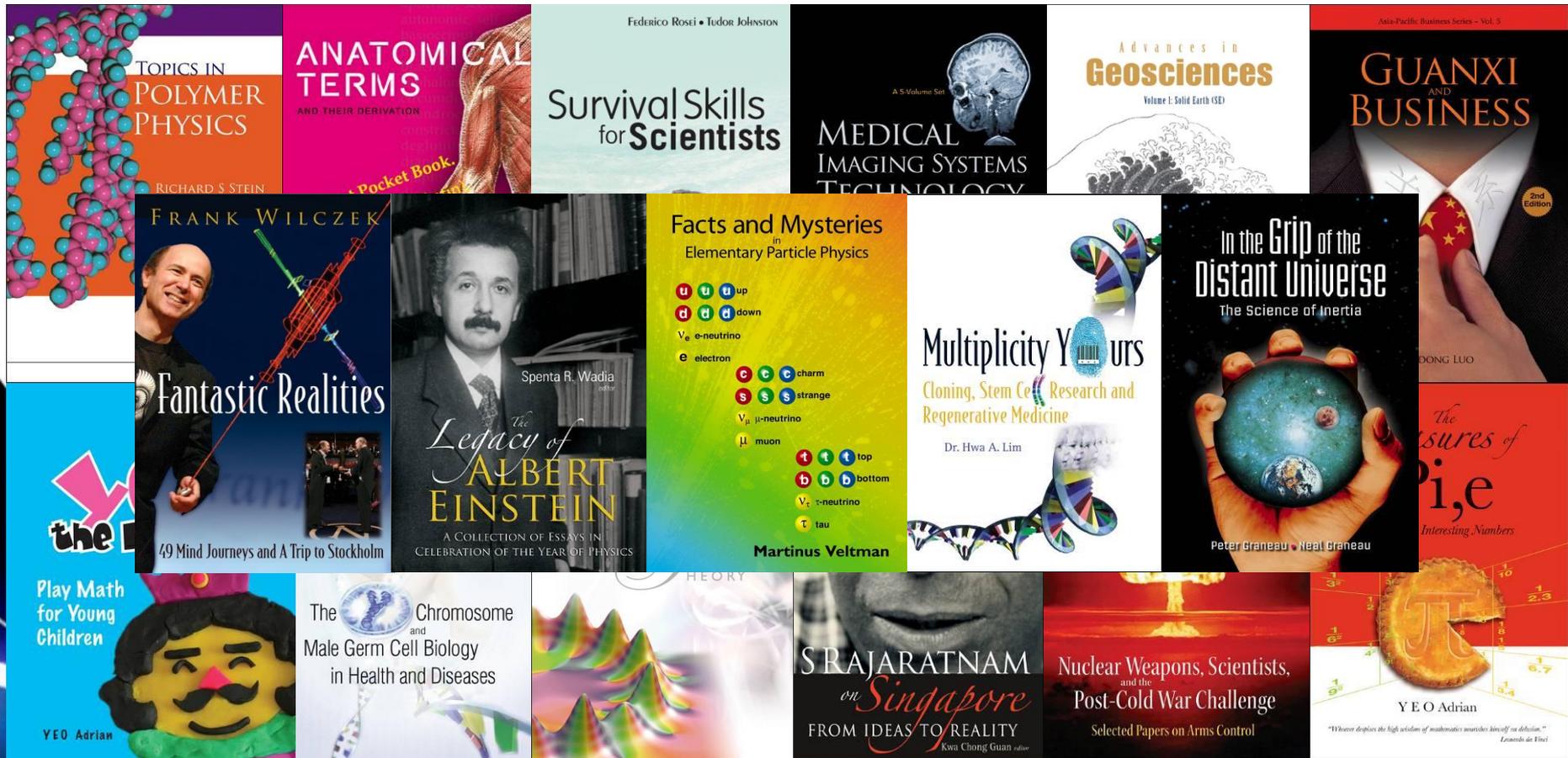


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世界科技出版公司 (World Scientific Publishing Company) 成立于1981年，是当今亚太地区规模最大的英文科技出版公司，也是世界主要科技出版公司之一。1995年，与英国伦敦大学帝国理工学院共同创建了帝国学院出版社 (Imperial College Press)。世界科技出版公司专职出版高科技书刊，拥有阵容强大的作者群，包括许多诺贝尔奖获得者、沃尔夫奖、菲尔兹奖得主及其他顶尖学者等。出版内容涉及基础科学、计算机科学、工程技术、医学、生命科学、商业与管理等各学科领域。世界科技出版公司每年出版新书700多种，学术期刊120余种，其中62种为SCI收录期刊。全世界有近30万家研究院图书馆、大学图书馆和公共图书馆是世界科技的订户。1991年，世界科技获得瑞典诺贝尔基金会 (Noble Foundation) 的授权，在全球独家出版发行自1901年以来诺贝尔奖得主的生平及演讲文集，并成为多位诺贝尔奖得主著作的主要出版机构。世界科技是首家获得如此重要出版合同的亚洲出版商。近年来，公司陆续与在以色列创立的沃尔夫奖 (Wolf Prize)，以及2002年在香港创立的邵逸夫奖 (The Shaw Prize)，签订合同，出版得奖人的作品。



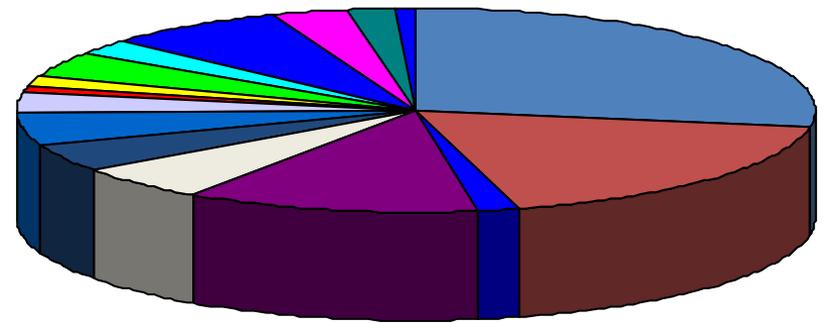
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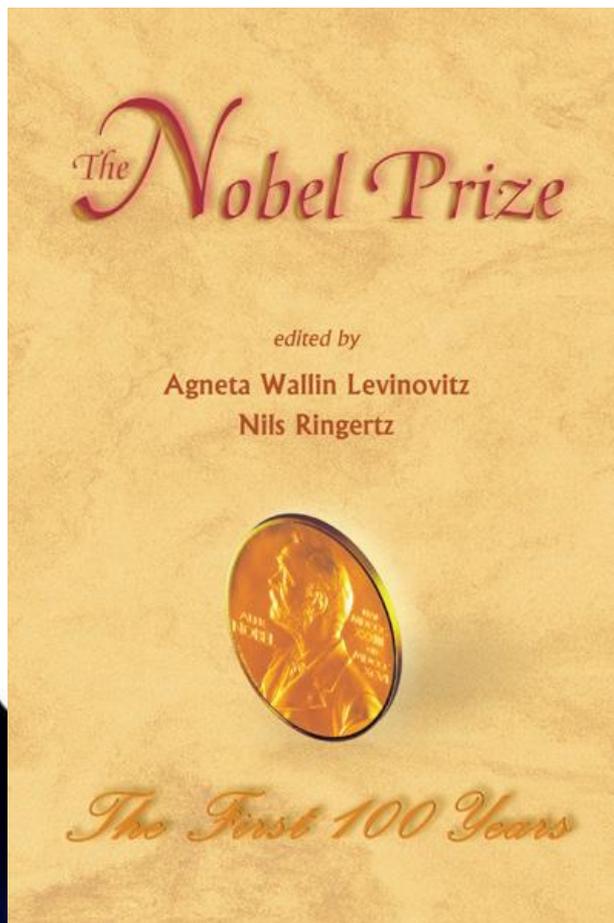


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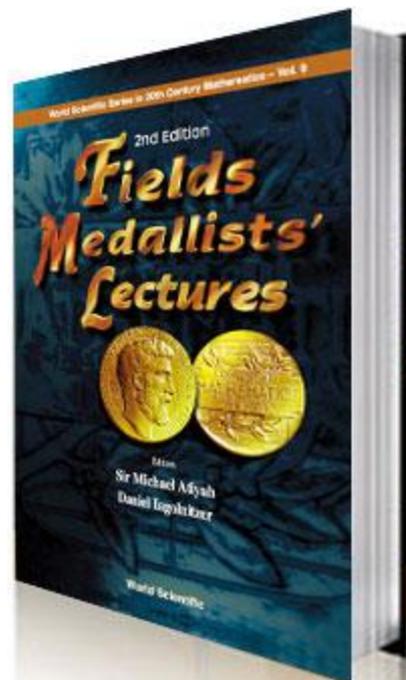


1991年本公司获得诺贝尔基金会授权，独家出版发行自1901年以来全部奖项的诺贝尔奖获奖者演讲文集及生平简介（英文版），是亚洲的出版机构第一次获得如此殊荣。这也是世界科技发展的一大里程碑。

我觉得一家亚洲出版社能得到那么多诺贝尔奖得主的鼎力支持是一项惊人的成绩。关键就在公司与作者之间的互相信任的伙伴关系，就如同英国作家狄更斯与他莫逆之交的出版商一样。为了持续这种文化，世界科技上下人员都本着“作者为先”的观念。因为没有作者就没有作品，没有作品就没有今天的出版公司。



全球独家出版发行自从1901年颁发以来，所有学科的《诺贝尔奖文集》。文集收集了获奖者生平介绍与以获奖研究为基础的学术演讲稿。包括的学科有：物理、化学、生理/医学、经济、和平及文学各个科目。目前已经出版90册，最新到2010年。



世界科技也出版了有数学诺贝尔之称的“菲尔兹奖”得主的文集。

菲尔兹奖是一个在国际数学联盟的国际数学家大会上颁发的奖项。它每四年颁奖一次，颁给二至四名有卓越贡献的年轻数学家。获奖者须在该年元旦前未满四十岁。菲尔兹奖是据加拿大数学家约翰·查尔斯·菲尔兹的要求设立的。被视为数学界的诺贝尔奖(诺贝尔奖未设数学奖)。

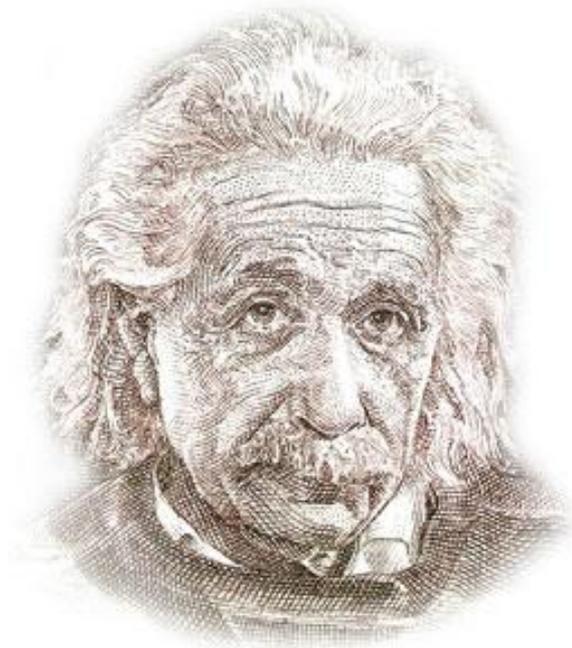
除了诺贝尔文集，世界科技也出版沃尔夫奖(Wolf Prize)农业、化学、医学、物理、数学各学科得主的文集。

沃尔夫奖主要是奖励对推动人类科学与艺术文明做出杰出贡献的人士，每年评选一次，分别奖励在农业、化学、数学、医学和物理领域，或者艺术领域中的建筑、音乐、绘画、雕塑四大项目之一中取得突出成绩的人士。





出版2002年，2010年，
2018年国际数学家大
会
(International
Congress of
Mathematicians，
简称ICM)论文集



- 和以色列科学人文学院合作出版爱因斯坦纪念文集。



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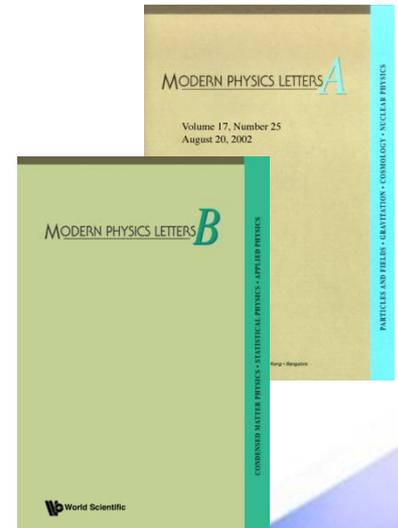


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International Journal of Modern Physics A	Vol. 30, Issue 21, 1530049 (2015)	The Future of Physics – Revisited	 https://www.worldscientific.com/doi/pdf/10.1142/S0217751X15300495
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International Journal of Modern Physics A	Vol. 27, Issue 30, 1230035 (2012)	Topology and gauge theory in physics	 https://www.worldscientific.com/doi/pdf/10.1142/S0217751X12300359



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32 种期刊中，31 种被 ISI 收录
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作为全球领先的独立学术出版机构，世界科技出版集团长期以来为学术界提供了高质量的出版内容。集团每年出版的23种数学期刊，在影响因子、论文引用及综合排名中名列前茅，被全球多所大学和顶尖学术机构视为重要学术参考刊物。





数学--

MATHEMATICS

重点期刊

《数理逻辑期刊》(JML)创刊于2001年，在数理逻辑及其应用领域，为全球研究者提供了一个重要的学术参考平台。据《期刊引证报告》及SCImago期刊排名两项权威数据库统计，此期刊名列第一，确立了该期刊在数理逻辑领域的重要地位。影响因子1.222



Journal of Mathematical Logic
《数理逻辑期刊》

荣登2018SJR期刊排名榜首

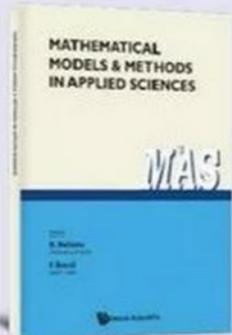


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重点期刊

《应用科学中的数学模型与方法》(M3AS) 为从事应用科学(物理、数学物理、自然科学和技术科学)的科学家们搭建了一个非常重要的学术交流平台。期刊基于数学, 实际系统的数学建模以及数学和计算机之间存在的非平凡的相互作用, 重点关注真实物理系统的定性和定量分析的方法。最新影响因子高达3.319, 并在252份应用数学的期刊中排名第六。



IMPACT FACTOR: 3.319

#6 OUT OF **252**

in Applied Mathematics
应用数学 **全球第六**

Mathematical Models & Methods in Applied Sciences (M3AS)
《应用科学中的数学模型与方法》



扫描识别 查阅期刊



重点期刊

《分析与应用》(AA) 期刊发表的高质量的数学论文，涵盖了物理、生物科学和工程有直接或潜在应用的分析领域。分析中的一些主题包括逼近论、渐近分析、变分法、积分方程、积分变换、常微分方程和偏微分方程、时滞微分方程和摄动方法。期刊旨在促进应用分析中新的技巧和结果的发展与研究。该期刊在数学学科中排名前20，成为了该领域进步最快的期刊。影响因子1.787.



Analysis and Applications
《分析与应用》



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模糊逻辑及系统

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信息系统

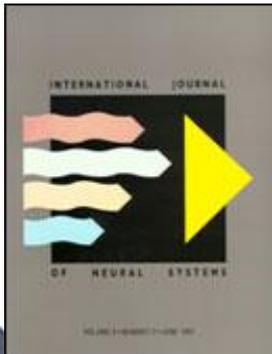


International Journal of Software Engineering & Knowledge Engineering (IJSEKE)

主编: **S K Chang** 教授
美国知识系统研究所

International Journal of Neural Systems (IJNS)

主编: **Hojjat Adeli** 教授
美国俄亥俄州立大学



“...The range is broad, covering mathematical, biological and engineering interests. Duplication with the content of other journals is low and editorial filtering has kept the quality of the papers high.”

Igor Aleksander, Nature

世界科技公司简报

2018年10月

世界科技作者荣膺2018年诺贝尔奖项

恭贺世界科技作者阿诺德博士 (Frances H. Arnold) 获颁2018年诺贝尔化学奖;
阿瑟·阿斯金博士 (Arthur Ashkin) 和杰哈·莫罗博士 (Gérard Mourou) 获得诺贝尔物理学奖。



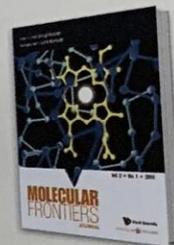
弗朗西斯·阿诺德博士

弗朗西斯·阿诺德博士因“酶定向进化”的研究而荣享一半的诺贝尔化学奖。她著写的论文“Enzymes by Evolution: Bringing New Chemistry to Life”收录于 *Molecular Frontiers Journal (Vol. 02, No. 01)*。
阿诺德博士也是该期刊的编委会成员。

<https://www.worldscientific.com/doi/10.1142/S2529732518400023>

此外,她也著写了论文“Expanding the Enzyme Universe Through a Marriage of Chemistry and Evolution”。该论文收录于 *New Chemistry and New Opportunities from the Expanding Protein Universe* 一书。

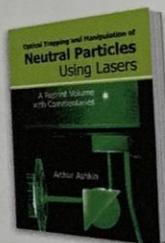
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阿瑟·阿斯金博士

世界科技作者阿瑟·阿斯金博士和杰哈·莫罗博士因“激光物理学领域的突破性贡献”获颁2018年诺贝尔物理学奖。阿斯金博士发明的光镊有助于操纵粒子、原子与分子。他也著写了科学书籍 *Optical Trapping and Manipulation of Neutral Particles Using Lasers*。

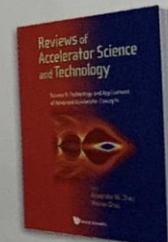
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杰哈·莫罗博士

据诺贝尔奖委员会,莫罗博士和唐娜·斯特里克兰博士 (Donna Strickland) 因创造出迄今最短最强的激光脉冲而各赢得了四分之一的诺贝尔物理学奖。莫罗博士是“Laser Technology for Advanced Acceleration: Accelerating Beyond TeV”的论文合著者。该论文收录于 *Reviews of Accelerator Science and Technology (Vol. 09)*。

<https://doi.org/10.1142/S1793626816300073>





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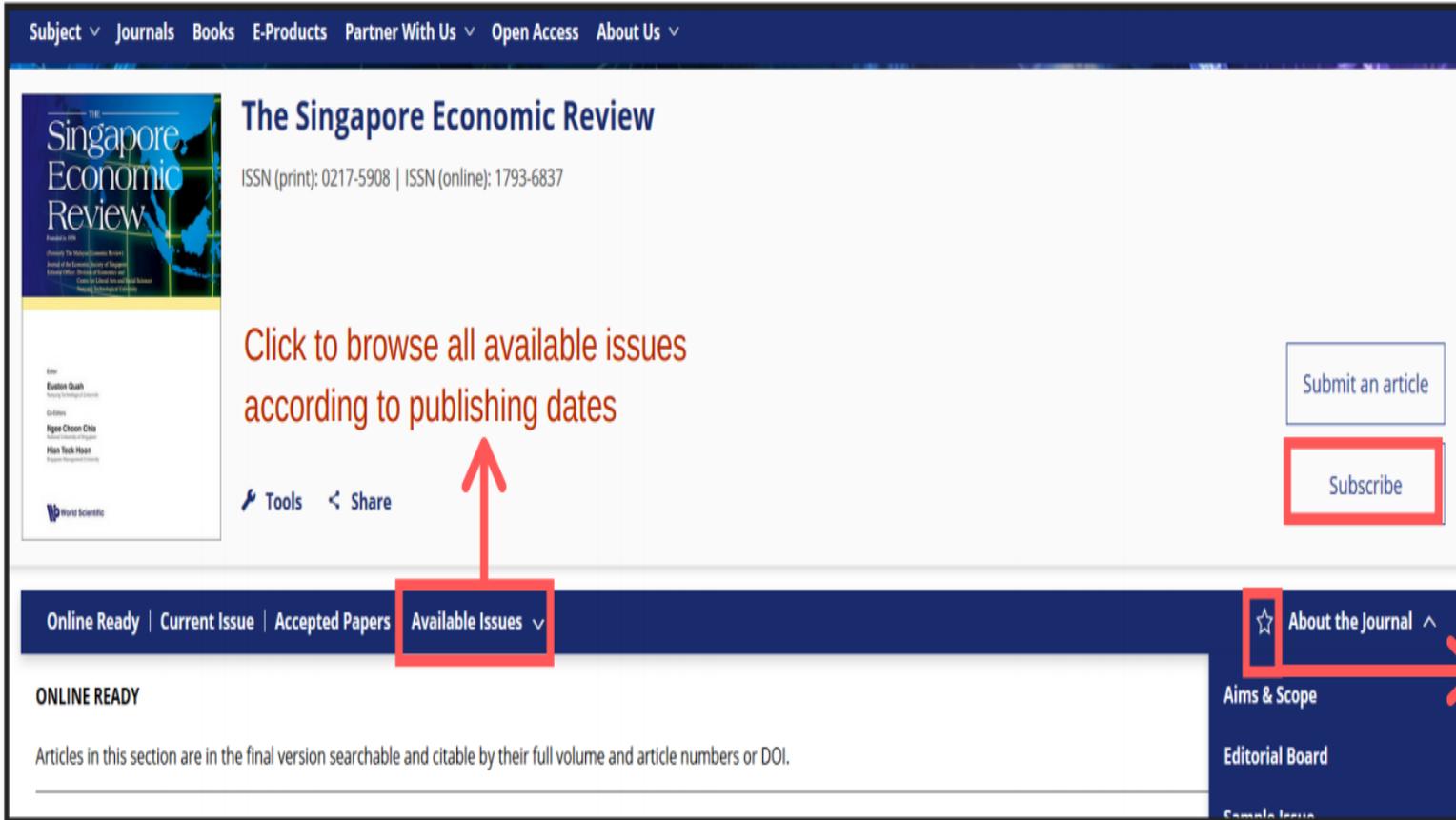
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The screenshot displays the search results page for 'The Singapore Economy Review'. The interface includes a navigation bar with links for Subject, Journals, Books, E-Products, Partner With Us, Open Access, and About Us. A search bar at the top contains the query 'The Singapore Economy Review' and a search icon. Below the search bar, there are tabs for 'Articles/Chapters' and 'Journals Titles'. The main content area shows 'Results: 1 - 20 of 11374 The Singapore Economy Review'. A 'REFINE SEARCH' dropdown is visible, along with options for 'PER PAGE: 20 50 100' and 'SORT: RELEVANCE'. A 'Follow results' button with a magnifying glass icon and a notification bell icon is highlighted with a red box. A red arrow points from this button to the top right corner of the page. On the left side, a 'Narrow Results' sidebar is highlighted with a red box, containing filters for 'Publication Type' and 'Article Type'. The 'Publication Type' filter shows 'Journals and Books' (11374), 'Books' (8911), and 'Journals' (2463). The 'Article Type' filter shows 'Chapter Item' (6958).

Filter	Value
Publication Type	Journals and Books: 11374 Books: 8911 Journals: 2463
Article Type	Chapter Item: 6958

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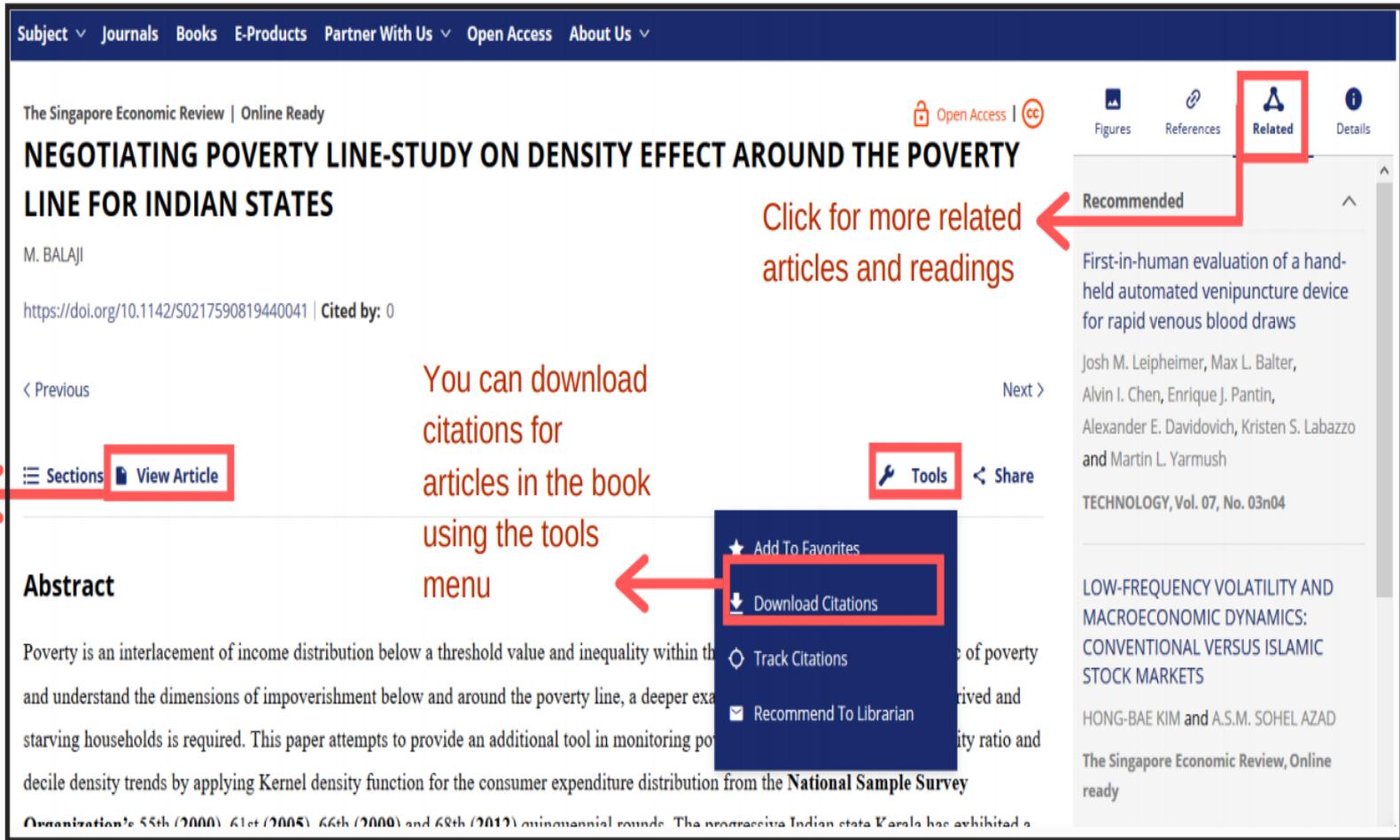


The screenshot shows the journal's homepage. At the top, there is a navigation bar with links for Subject, Journals, Books, E-Products, Partner With Us, Open Access, and About Us. Below this, the journal's cover image is displayed on the left, with the title 'The Singapore Economic Review' and its ISSN numbers (print: 0217-5908, online: 1793-6837) to the right. A 'Submit an article' button is visible in the top right corner. Below the journal title, there is a 'Tools' and 'Share' section. A red box highlights the 'Available Issues' dropdown menu in the top navigation bar, with a red arrow pointing to it from the text 'Click to browse all available issues according to publishing dates'. Another red box highlights the 'Subscribe' button, with a red arrow pointing to it from the text 'Click to subscribe to individual journals. Some Journals have open access for all to view'. A third red box highlights the 'About the Journal' dropdown menu, with a red arrow pointing to it from the text 'Add Journal to favorites for quick access in future'. The 'ONLINE READY' section is also visible, stating that articles in this section are in the final version and searchable by volume and article numbers or DOI.

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M. BALAJI

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This Book

Aberration-Corrected Imaging in Transmission Electron Microscopy

An Introduction
By (author): Rolf Erni (Swiss Federal Laboratories for Materials Science and Technology (Empa), Switzerland)

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Preface

The tendency of people to take small things as important has resulted in many great things.
G.C. Lichtenberg

Aberration-corrected electron microscopy is a key term in the headline of numerous research reports which involve state-of-the-art electron microscopy equipment. The implementation of spherical aberration correctors in transmission electron microscopes has directly and indirectly enabled revolutionary applications which a little more than ten years ago would not have been feasible or even thinkable. Nonetheless, aberration correction is not the only advancement which enriches the repertoire of experiments that can be carried out in electron microscopes. Besides aberration correction, electron microscopes have been brought to application which, for instance, provide temporal resolution to study dynamics on the nanosecond scale. Another branch of instrument development focuses on *in situ* measurements. Devices have been realized which enable the study of materials and their evolution in liquid media or in controlled gaseous atmospheres, or which make it feasible to monitor the very basic deformation mechanism of materials. This involves the controlled deformation of nanometer-sized objects. Furthermore, many of the analytical capabilities of electron microscopes can nowadays be considered to be comparable to dedicated analytical instruments, which, however, do not provide the unique spatial resolution that is inherent for electron microscopes. Yet, spatial resolution is often indispensable for systematically analyzing complex nanostructured materials. Of course, there are many more directions in the development of state-of-the-art electron microscopy equipment. Nevertheless, many of these developments can potentially benefit from aberration-corrected electron optics. As such, the correction of the resolution-limiting aberration of conventional electron microscopy has to be considered as one of the great inventions which has advanced materials science and our experimental understanding of matter. There is no reason why this trend should not be continued.

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