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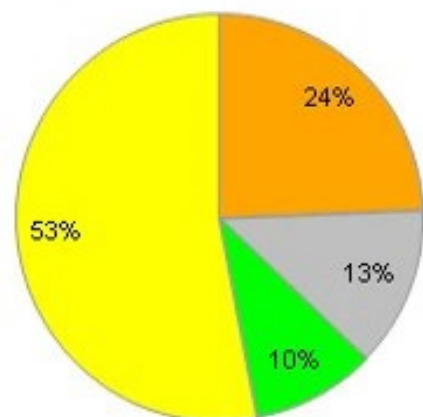
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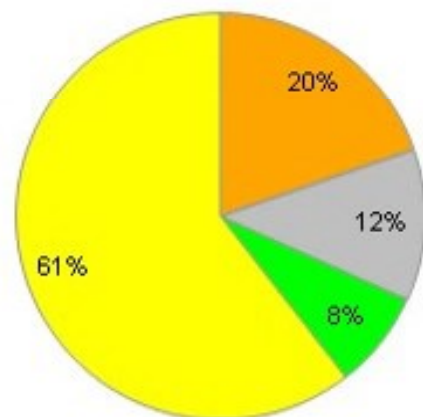
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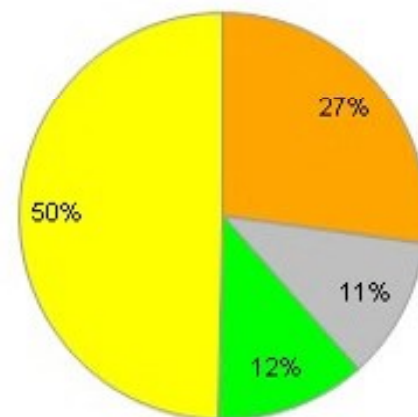
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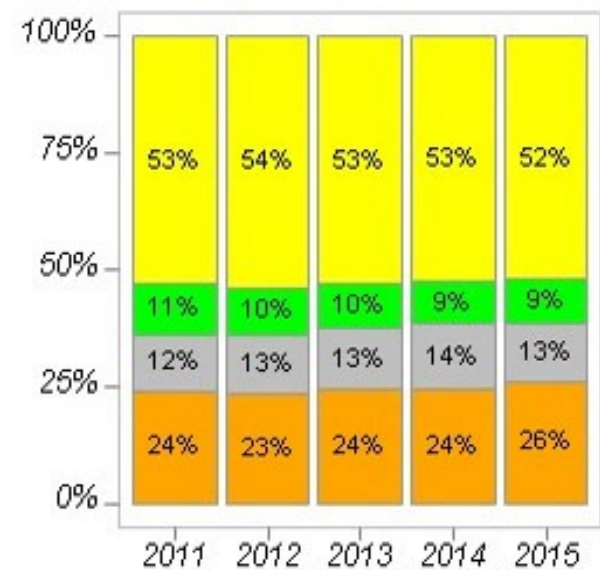
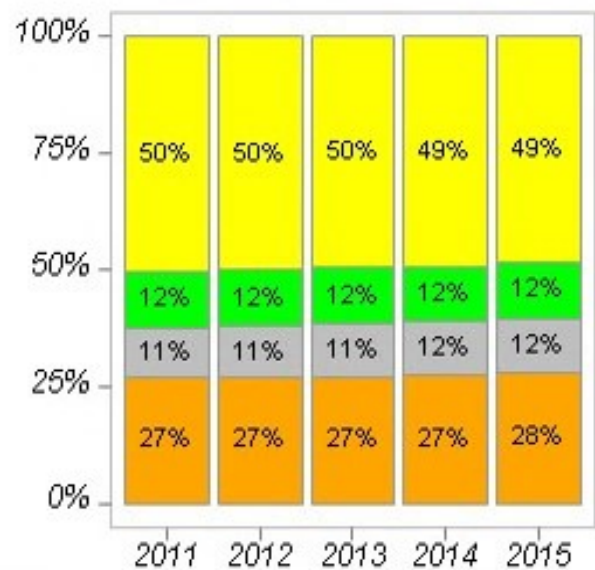
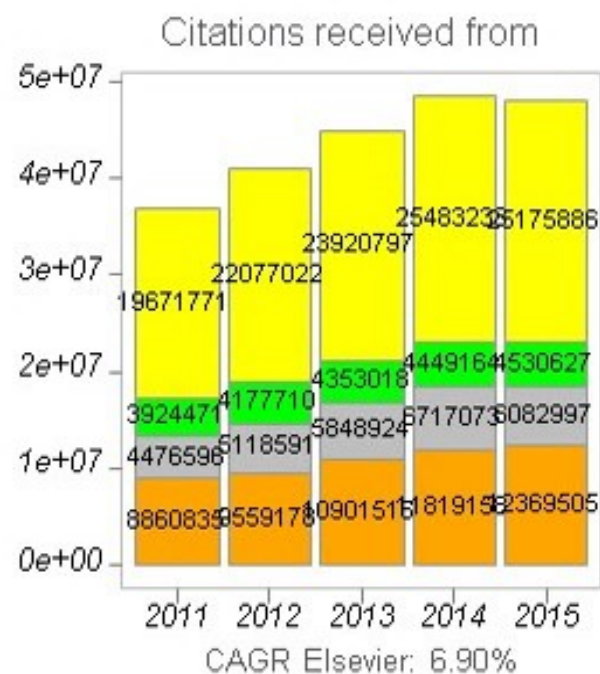
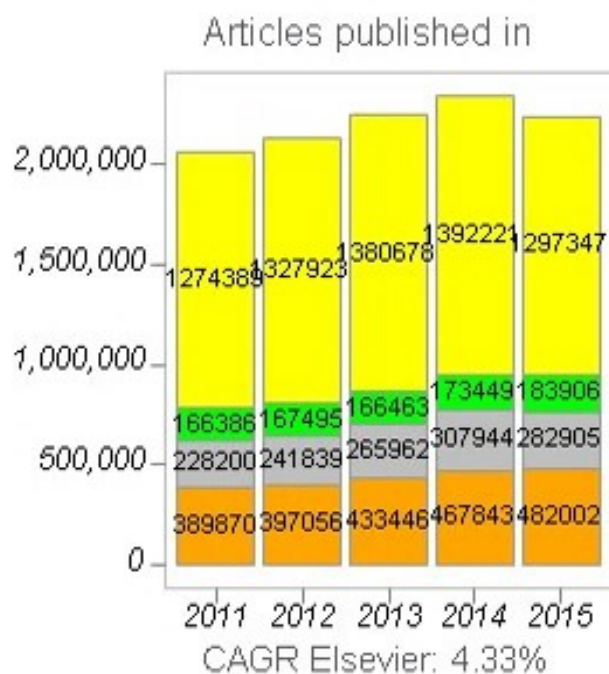
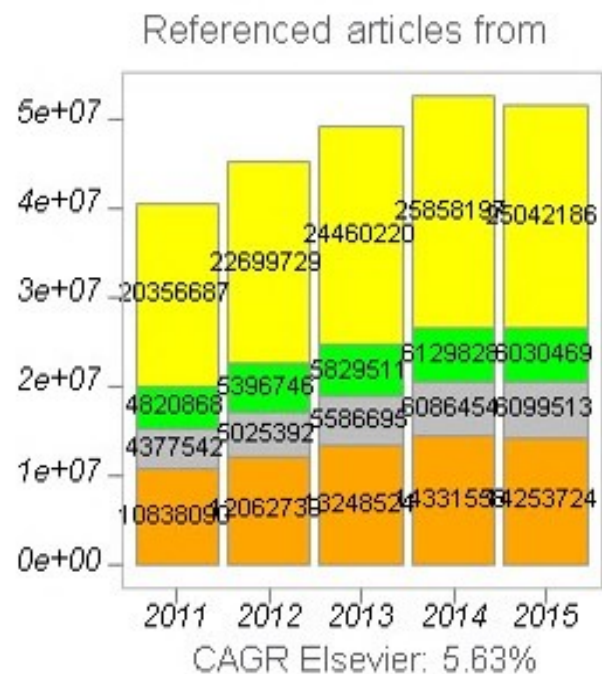


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- Achieving smaller particle size during precipitation and aging is critical to obtain high performance catalysts.
- Higher reduction temperatures (of larger CuO crystallites) promote sintering of Cu crystallites.

Abstract

Binary Cu/ZnO methanol synthesis catalysts were prepared by the co-precipitation of copper and zinc hydroxycarbonates using different initial solution concentrations, stirring rates and aging times and temperatures during precipitation, and different calcination temperatures of the precipitated hydroxycarbonates. The precipitates (catalyst precursors), fresh catalyst and were characterized at appropriate stages by nitrogen adsorption-desorption isotherm, X-ray diffraction (XRD), temperature programmed reduction (TPR), N_2O chemisorption and particle size distributions measurement techniques. All catalysts were tested for methanol synthesis activity in fixed-bed reactor under conditions similar to that of commercial operation (503 K, 50 bar and GHSV of $17,250 \text{ h}^{-1}$), using of H_2 , CO , and CO_2 (80/12/8 mol ratio) mixture as the feed. During aging of the precursor, a sharp pH drop along with color change from blue to green was observed after certain aging time. Further, the particle size of precursors showed a decrease after color change. The time of this change was strongly dependent on the aging temperature and decreased by increasing aging temperature. At 40 °C aging temperature, the catalyst activity increased with aging time but the resulting catalyst exhibited poor performance because the color change did not occur even after 66 h of aging of the mother liquor. At 80 °C aging temperature, a color change took place rapidly after about 0.5–0.75 h of aging, and the catalyst activity increased with aging time followed by a decrease upon further aging. At a constant aging time of 5 h, the catalyst activity increased with temperature in the range of 40–60 °C and then decreased when temperature rose further from 60 to 80 °C. The highest methanol synthesis activity ($555 \text{ g}_{MeOH}/\text{kg}_{CuO} \text{ h}$) was observed for the catalyst prepared from 1 M initial solution, 500 rpm stirring rate and aged at 60 °C. This was attributed to the small CuO crystallite size and large Cu surface area of the resulting catalyst.

Graphical abstract

Interactive plots for this article

Plot **Data table**

X axis Aging Time (h)

Y axis

- CuO crystallite size (nm)
- Cu surface area (m^2/g)
- Particle size-CO 5 (microm)
- STY (g MeOH/kg h)

Digital Applications in Archaeology and Cultural Heritage
Volume 1, Issue 1, 2014, Pages 3-11

Another link between archaeology and anthropology: Virtual anthropology[®]

Gerhard W. Weber

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doi:10.1016/j.dach.2013.04.001

Highlights

- Introduces the six operational areas of Virtual Anthropology.
- Emphasizes the applicability of these methods in archaeology.
- Provides a 3D model to demonstrate a landmark-based measurement approach.
- Provides a movie of a virtual Venus from Willendorf, Austria.

Abstract

Archaeology and biological anthropology share research interests and numerous methods for field work, both profit from collaborative work and diffusion of know-how. The last two decades have seen a technical revolution in biological anthropology. Virtual Anthropology (VA), it exploits digital technologies and tools

Supplementary 3D models

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Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology
Volume 116, Issue 5, November 2014, Pages e111-e116

Oral hairy leukoplakia in patients without HIV: presentation of 2 new cases

Jovanna Lager Prasad, DCPH, Elizabeth Ann Blodgett, OMD, MD, MSEP

doi:10.1016/j.oooo.2014.05.001

Objective

We report 2 cases of oral hairy leukoplakia (OHL) in patients without HIV and present a comprehensive review of OHL in HIV-negative individuals.

Study Design

Two cases of non-HIV-associated OHL are described. A PubMed search identified previously reported cases. The attributes of those cases were ascertained.

Results

OHL was confirmed in both of our cases. Both patients used inhaled steroids for pulmonary disorders, and were found to have depressed levels of immunoglobulin M. Additionally, 76 cases were identified in the literature. The condition occurred in association with various medical conditions, with the majority of patients on immunosuppressant medications (57 of 76). Systemic drugs were implicated most frequently. The condition has also been reported in healthy individuals (5 of 76).

Conclusions

Although thought of as an HIV/AIDS-associated condition, OHL can develop in patients without HIV.

Virtual Microscope

OHL_Case_1_MHE

Zoom

Left: Labial Tongue Tissue Preparation 10% NBF x40

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Advanced Drug Delivery Reviews
Volume 55, Issues 10-14, October-December 2013, Pages 1010-1038

Pathophysiological and pharmacological implications of mitochondria-targeted reactive oxygen species generation in astrocytes[®]

Wei-Jie Guo

Abstract

mtROS (mtROS) in addition to previously supporting neurons, have recently been shown to be actively involved in synaptic transmission and neurotransmitter signaling in the central nervous system (CNS). They cause summative levels, but previously obtainable using fluorescent probes coupled with laser scanning digital imaging microscopy to visualize spatio-temporal alterations of mitochondrial reactive oxygen species (mtROS) generation in intact astrocytes. mtROS formation is enhanced by exogenous oxidative exposure, Ca^{2+} stress and endogenous pathological deficit of mitochondrial respiratory complexes. In addition, mtROS formation can be specifically stimulated by visible light or visible laser irradiation and can be augmented further by photodynamic coupling with photosensitizers, particularly with mitochondria-targeted photosensitizers. "Severe" oxidative insult often results in massive and homogeneous augmentation of mtROS formation which causes cessation of mitochondrial movement, pathological fission and irreversible swelling of mitochondria and eventually apoptosis or necrosis of cells. Mitochondria-targeted antioxidants and protectors such as MitoQ, melatonin and nanoparticles C_{60} effectively prevent "severe" mtROS generation. Interestingly, "mild" oxidative insults enhance heterogeneity of mtROS and mitochondrial dynamics. "Mild" mtROS formation-induced fission and fusion of mitochondria reconfigures mitochondrial network to form a mitochondria free gap, i.e., "breath" which may play a crucial role in mtROS-mediated protective "preconditioning" by preventing propagation of mtROS during oxidative insults. These mtROS-targeted strategies for either enhancement or prevention of mitochondrial oxidative stress in astrocytes may provide new insights for future development of therapeutic interventions in the treatment of cancer such as glioblastomas and gliomas and age-associated neurodegeneration, mitochondrial diseases and aging.

Keywords: Antioxidant, astrocyte, mitochondrial dynamics, mitochondrial reactive oxygen species, preconditioning

Article Outline

1. Overview
2. Pathological enhancement of mtROS formation
 - 2.1. Heterogeneity of mtROS formation

Supplementary content for this Article

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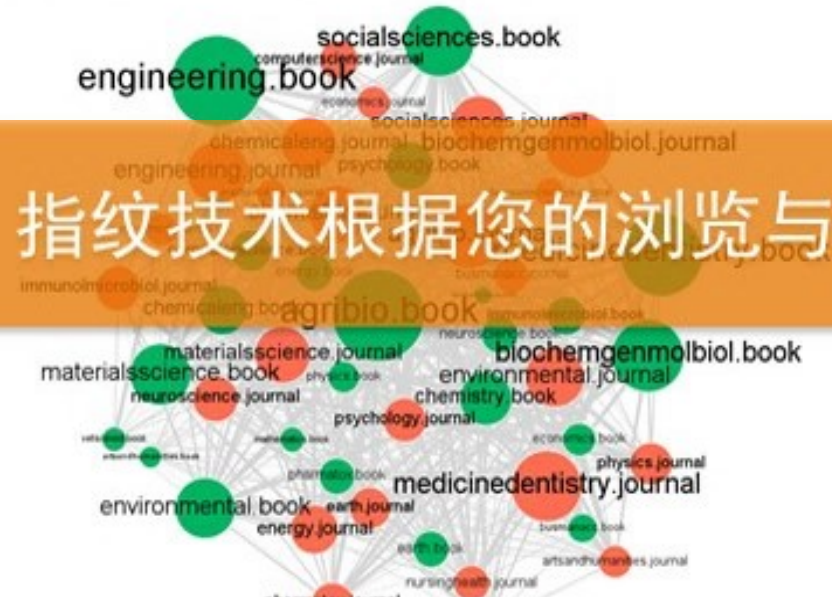
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Abstract



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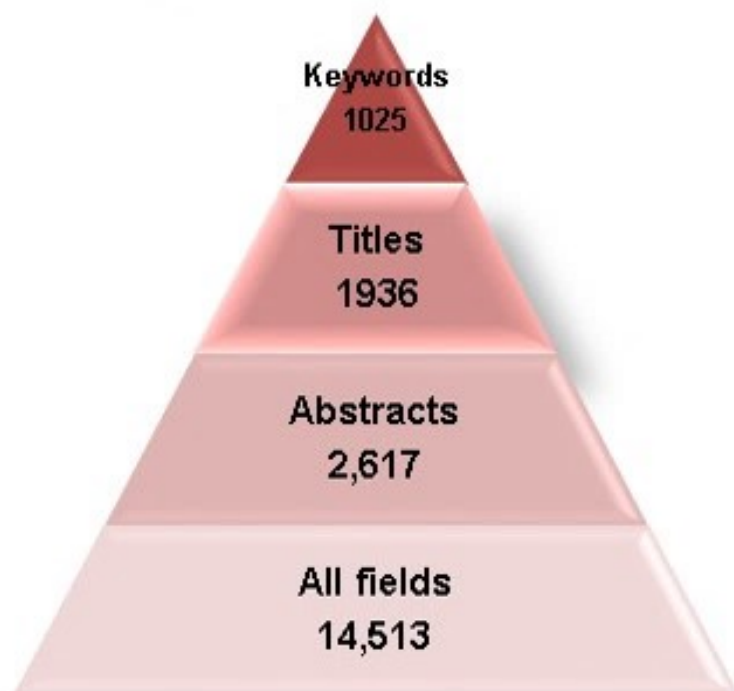
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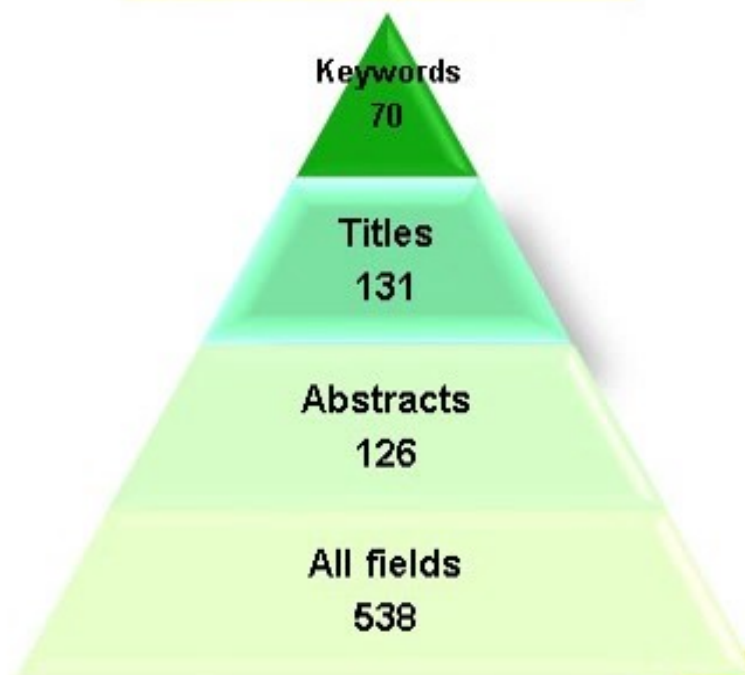
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ScienceDirect

实例展示



MENDELEY

同聚Elsevier旗下的ScienceDirect和Mendeley在文献检索管理方面可以完美融合，为用户提供一站式的解决方案

在ScienceDirect中检索所需文献



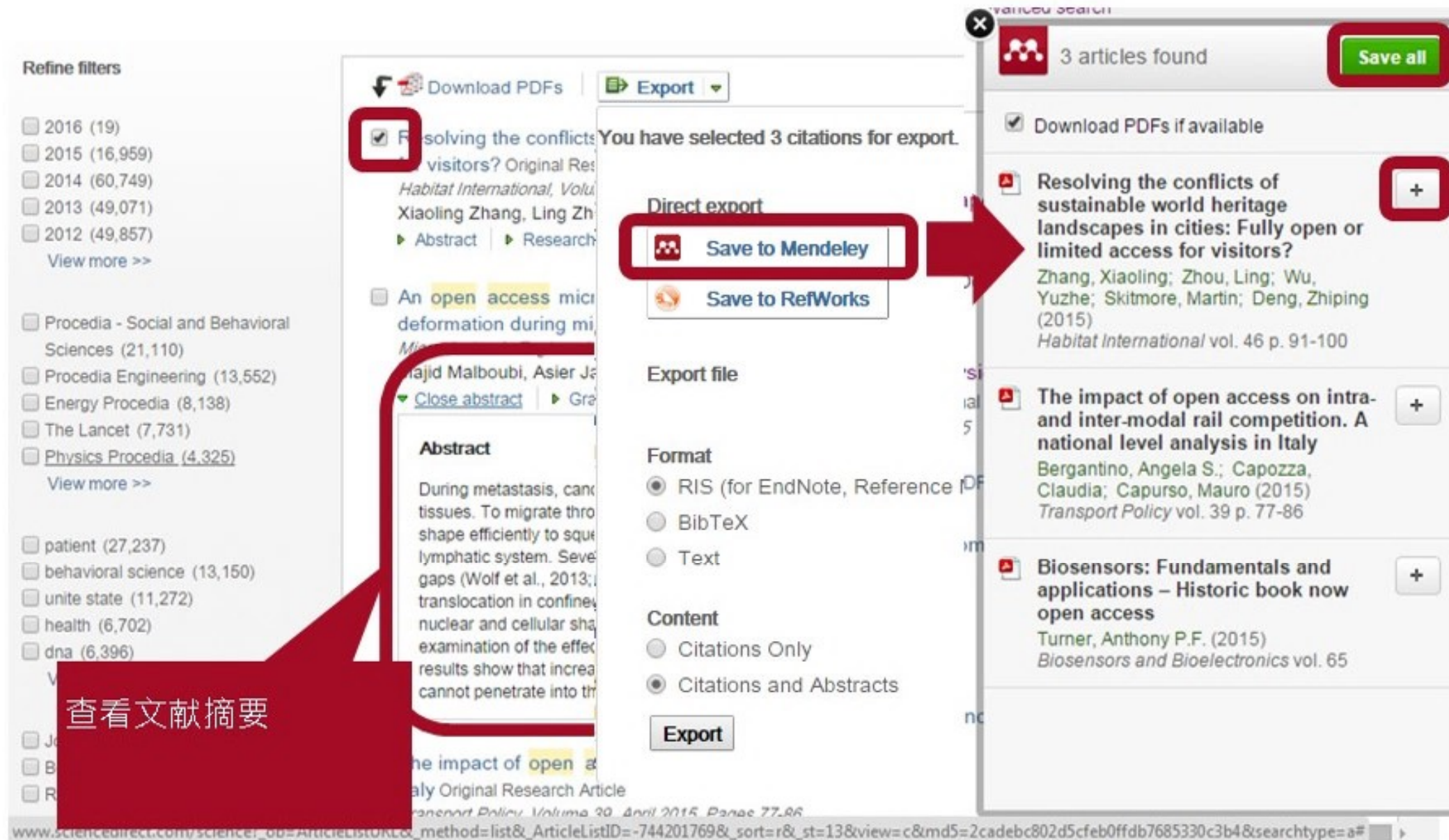
The screenshot shows the ScienceDirect search interface. The search bar at the top contains the text "open access". Below the search bar, there are navigation tabs for "Journals" and "Books". The search results are displayed in a list format, with columns for "Relevance" and "All access types". The results include articles such as "Resolving the conflicts of sustainable world heritage landscapes...", "An open access microfluidic...", "The impact of open access...", "Biosensors: Fundamentals and applications – Historic book now open access", and "Grado de adecuación de las indicaciones de la colonoscopia...".

在quick search中输入关键词“open access”【实例】

根据出版先后、相关度等进行排序。

根据年份、期刊、学科等进行筛选

通过摘要阅读选择所需文献，选择并导入至 Mendeley



The screenshot illustrates the workflow for selecting and exporting literature to Mendeley. On the left, a 'Refine filters' sidebar lists various criteria such as year, journal, and keywords. The main search results area shows a list of articles. One article, 'Resolving the conflicts of sustainable world heritage landscapes in cities: Fully open or limited access for visitors?', is selected, and its abstract is displayed in a pop-up window. A red callout box with the text '查看文献摘要' (View literature abstract) points to this abstract window. In the center, an 'Export' dialog box is open, showing 'You have selected 3 citations for export.' The 'Direct export' section has 'Save to Mendeley' selected, which is highlighted by a red box and an arrow pointing to the right. The 'Export file' section shows 'Format' set to 'RIS (for EndNote, Reference Manager, etc.)' and 'Content' set to 'Citations and Abstracts'. On the right, a '3 articles found' summary window is open, showing a list of the selected articles. The first article is highlighted with a red box and a '+' icon, indicating it is being added to the Mendeley collection. A 'Save all' button is visible in the top right corner of this window.

Refine filters

- 2016 (19)
- 2015 (16,959)
- 2014 (60,749)
- 2013 (49,071)
- 2012 (49,857)
- View more >>

- Procedia - Social and Behavioral Sciences (21,110)
- Procedia Engineering (13,552)
- Energy Procedia (8,138)
- The Lancet (7,731)
- Physics Procedia (4,325)
- View more >>

- patient (27,237)
- behavioral science (13,150)
- unite state (11,272)
- health (6,702)
- dna (6,396)
- View more >>

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Resolving the conflicts of sustainable world heritage landscapes in cities: Fully open or limited access for visitors? Original Research Article
Habitat International, Volume 46, April 2015, Pages 91-100
Xiaoling Zhang, Ling Zhou, Yuzhe Wu, Martin Skitmore, Zhiping Deng

Abstract | Research Article

An open access microfluidic platform for the study of cell deformation during migration
Microfluidics and Nanofluidics
Majid Malboubi, Asier Jimenez

Close abstract | Graduate Thesis

Abstract

During metastasis, cancer cells migrate through lymphatic system. Several studies have shown that gaps (Wolf et al., 2013; Wang et al., 2014) and translocation in confined spaces (Wang et al., 2014) are critical for nuclear and cellular shape changes. This study examines the effect of cell size on the results show that increased cell size cannot penetrate into the gaps.

the impact of open access on intra- and inter-modal rail competition. A national level analysis in Italy
Transport Policy, Volume 39, April 2015, Pages 77-86
Bergantino, Angela S.; Capozza, Claudia; Capurso, Mauro

ally Original Research Article
Biosensors and Bioelectronics Volume 65, April 2015, Pages 77-86

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Direct export

- Save to Mendeley
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- Text

Content

- Citations Only
- Citations and Abstracts

Export

3 articles found

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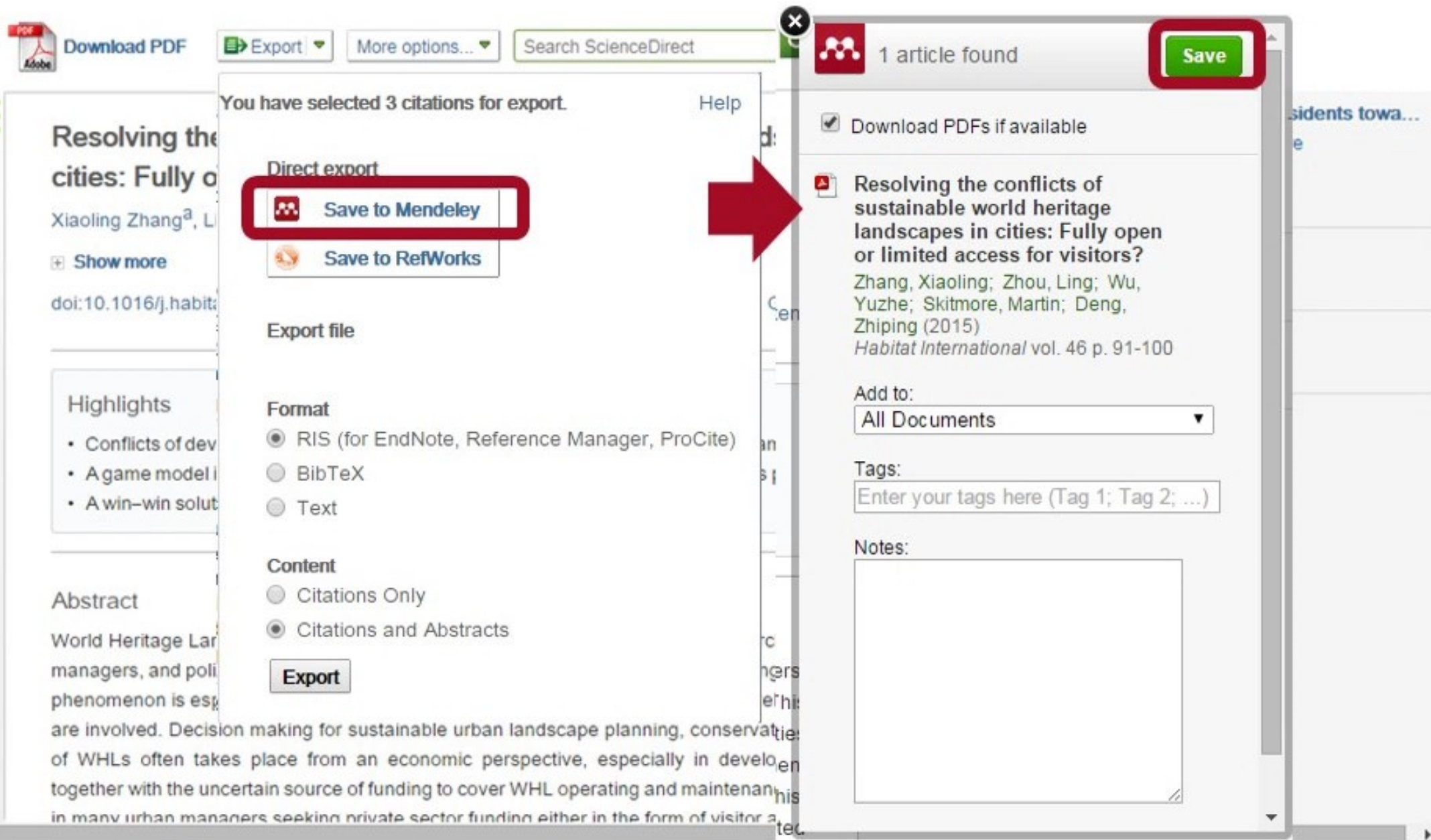
- Resolving the conflicts of sustainable world heritage landscapes in cities: Fully open or limited access for visitors?
Zhang, Xiaoling; Zhou, Ling; Wu, Yuzhe; Skitmore, Martin; Deng, Zhiping (2015)
Habitat International vol. 46 p. 91-100
- The impact of open access on intra- and inter-modal rail competition. A national level analysis in Italy
Bergantino, Angela S.; Capozza, Claudia; Capurso, Mauro (2015)
Transport Policy vol. 39 p. 77-86
- Biosensors: Fundamentals and applications – Historic book now open access
Turner, Anthony P.F. (2015)
Biosensors and Bioelectronics vol. 65

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或者点击文章题目，进入全文界面进行阅读
。后导入至Mendeley进行文件管理



The screenshot illustrates the process of saving a citation to Mendeley. On the left, the ScienceDirect interface shows a citation for "Resolving the conflicts of sustainable world heritage landscapes in cities: Fully open or limited access for visitors?" by Zhang, Xiaoling; Zhou, Ling; Wu, Yuzhe; Skitmore, Martin; Deng, Zhiping (2015). The citation is highlighted, and the "Save to Mendeley" option is selected under the "Direct export" section. A red arrow points from this option to a Mendeley dialog box on the right. The dialog box shows "1 article found" and a "Save" button. The article details are displayed, including the title, authors, and journal information. The "Add to:" dropdown is set to "All Documents", and the "Tags:" field is empty. The "Notes:" field is also empty.

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You have selected 3 citations for export. Help

Direct export

- Save to Mendeley
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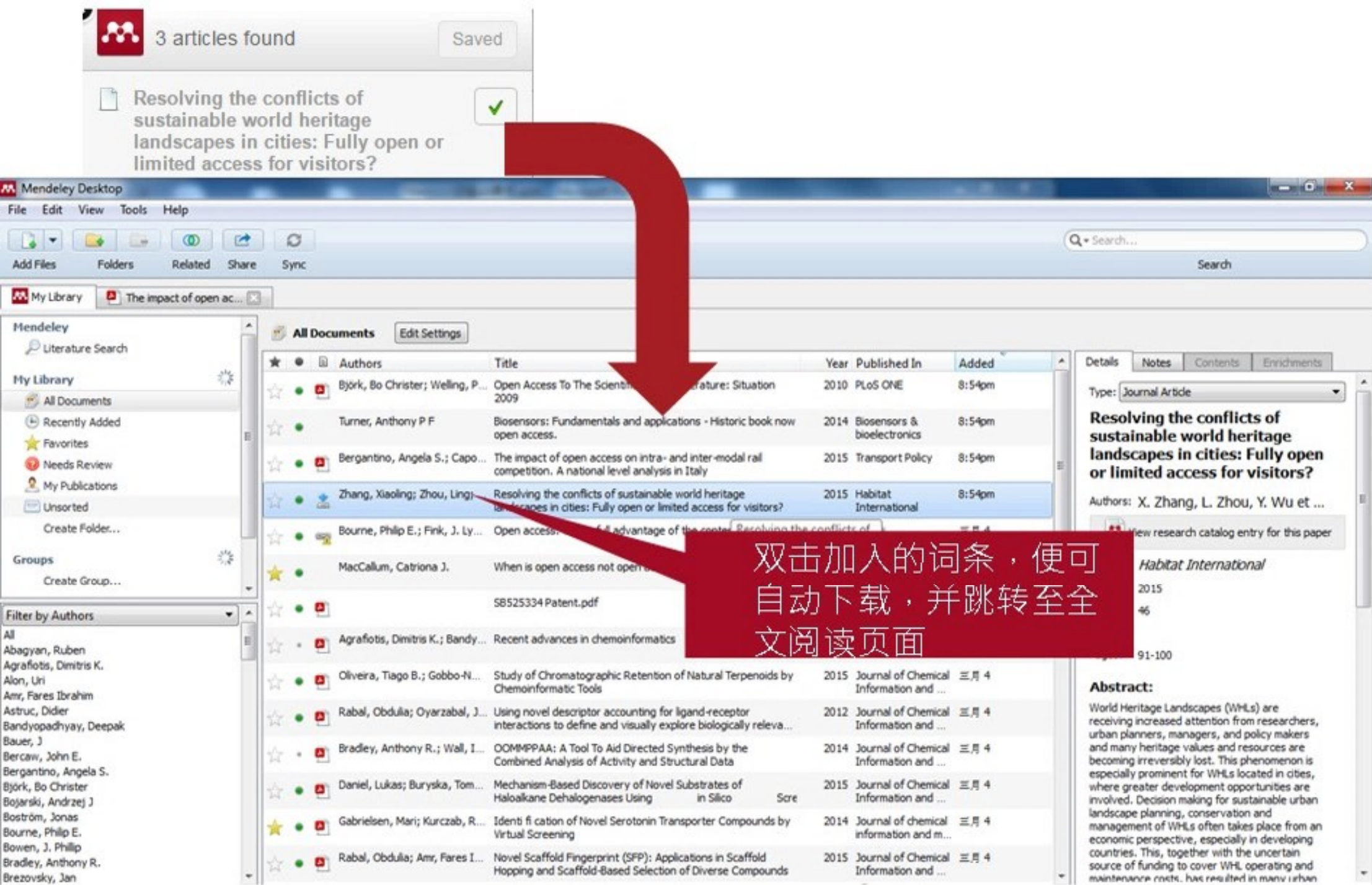
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Zhang, Xiaoling; Zhou, Ling; Wu, Yuzhe; Skitmore, Martin; Deng, Zhiping (2015)
Habitat International vol. 46 p. 91-100

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Enter your tags here (Tag 1; Tag 2; ...)

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或在Mendeley中进行文献的阅读和管理



The screenshot displays the Mendeley Desktop application interface. At the top, a notification bar indicates "3 articles found" and "Saved". Below this, a search bar is visible. The main window shows a list of documents under the "All Documents" tab. A red arrow points from a notification box at the top to a specific document in the list. A red callout box with white text is overlaid on the interface, providing instructions on how to interact with the document list.

3 articles found Saved

Resolving the conflicts of sustainable world heritage landscapes in cities: Fully open or limited access for visitors?

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☆	●	📄	Rabal, Abdulla; Amr, Fares I...	Novel Scaffold Fingerprint (SFP): Applications in Scaffold Hopping and Scaffold-Based Selection of Diverse Compounds	2015	Journal of Chemical Information and ...	三月 4

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Resolving the conflicts of sustainable world heritage landscapes in cities: Fully open or limited access for visitors?

Authors: X. Zhang, L. Zhou, Y. Wu et ...

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2015

46

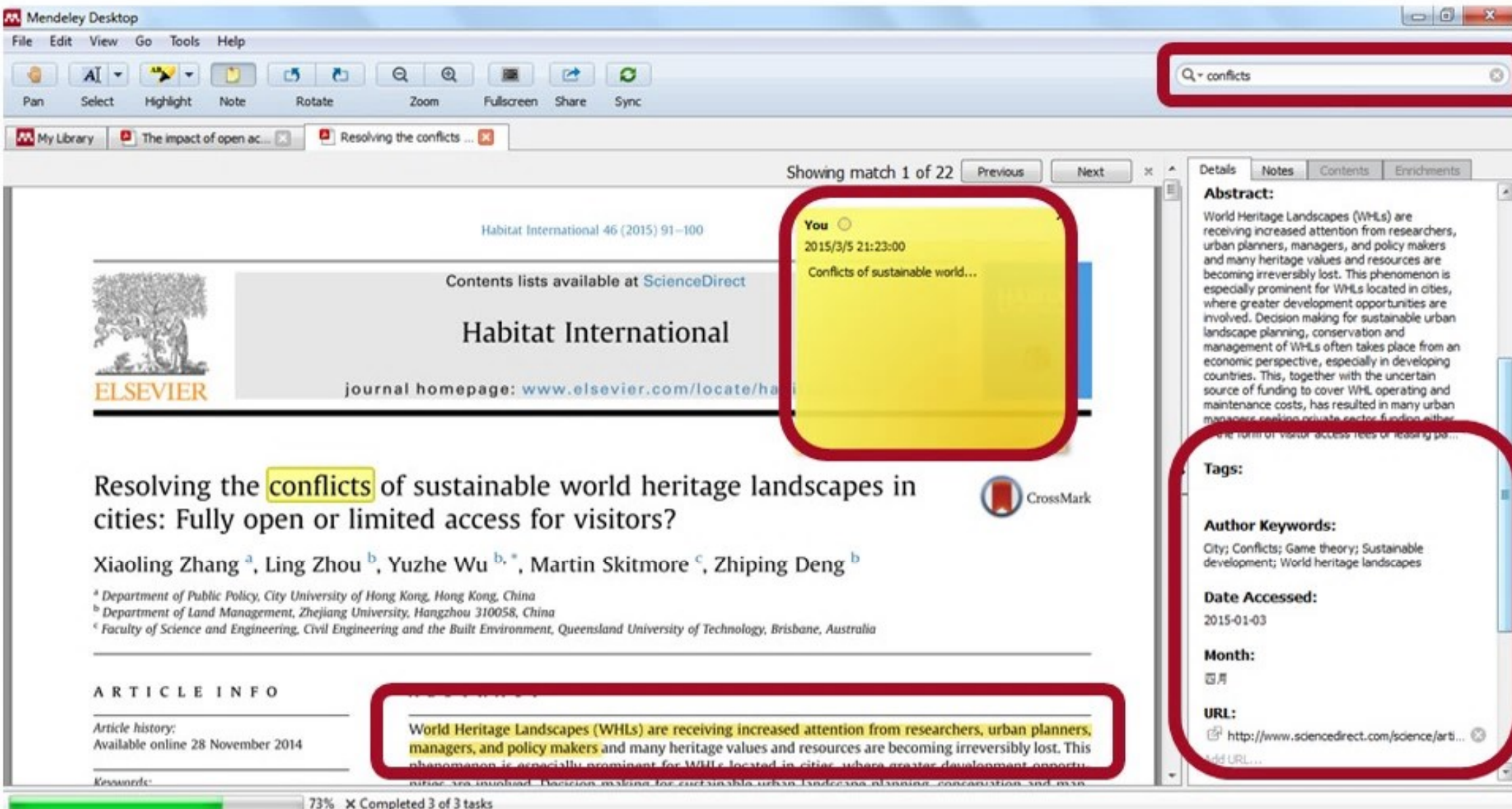
91-100

Abstract:

World Heritage Landscapes (WHLs) are receiving increased attention from researchers, urban planners, managers, and policy makers and many heritage values and resources are becoming irreversibly lost. This phenomenon is especially prominent for WHLs located in cities, where greater development opportunities are involved. Decision making for sustainable urban landscape planning, conservation and management of WHLs often takes place from an economic perspective, especially in developing countries. This, together with the uncertain source of funding to cover WHL operating and maintenance costs, has resulted in many urban

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The screenshot displays the Mendeley Desktop application window. The title bar reads "Mendeley Desktop". The menu bar includes "File", "Edit", "View", "Go", "Tools", and "Help". The toolbar contains icons for "Pan", "Select", "Highlight", "Note", "Rotate", "Zoom", "Fullscreen", "Share", and "Sync". The search bar at the top right contains the text "conflicts". The main content area shows a document preview for "Habitat International 46 (2015) 91-100". The document title is "Resolving the conflicts of sustainable world heritage landscapes in cities: Fully open or limited access for visitors?". The authors listed are Xiaoling Zhang, Ling Zhou, Yuzhe Wu, Martin Skitmore, and Zhiping Deng. A yellow sticky note is attached to the document, containing the text "You 2015/3/5 21:23:00 Conflicts of sustainable world...". The right sidebar shows the document's metadata, including the abstract, tags, author keywords, date accessed, month, and URL. The abstract text is: "World Heritage Landscapes (WHLs) are receiving increased attention from researchers, urban planners, managers, and policy makers and many heritage values and resources are becoming irreversibly lost. This phenomenon is especially prominent for WHLs located in cities, where greater development opportunities are involved. Decision making for sustainable urban landscape planning, conservation and management of WHLs often takes place from an economic perspective, especially in developing countries. This, together with the uncertain source of funding to cover WHL operating and maintenance costs, has resulted in many urban managers seeking private sector funding either in the form of visitor access fees or leasing pa...". The URL is "http://www.sciencedirect.com/science/arti...". The bottom status bar shows "73% X Completed 3 of 3 tasks".

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Tags:

Author Keywords:

City; Conflicts; Game theory; Sustainable development; World heritage landscapes

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Month:

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Article Title:

Resolving the **conflicts** of sustainable world heritage landscapes in cities: Fully open or limited access for visitors?

Authors:

Xiaoling Zhang^a, Ling Zhou^b, Yuzhe Wu^{b,*}, Martin Skitmore^c, Zhiping Deng^b

^a Department of Public Policy, City University of Hong Kong, Hong Kong, China

^b Department of Land Management, Zhejiang University, Hangzhou 310058, China

^c Faculty of Science and Engineering, Civil Engineering and the Built Environment, Queensland University of Technology, Brisbane, Australia

ARTICLE INFO

Article history:

Available online 28 November 2014

Keywords:

World Heritage Landscapes (WHLs) are receiving increased attention from researchers, urban planners, managers, and policy makers and many heritage values and resources are becoming irreversibly lost. This phenomenon is especially prominent for WHLs located in cities, where greater development opportunities are involved. Decision making for sustainable urban landscape planning, conservation and ma...

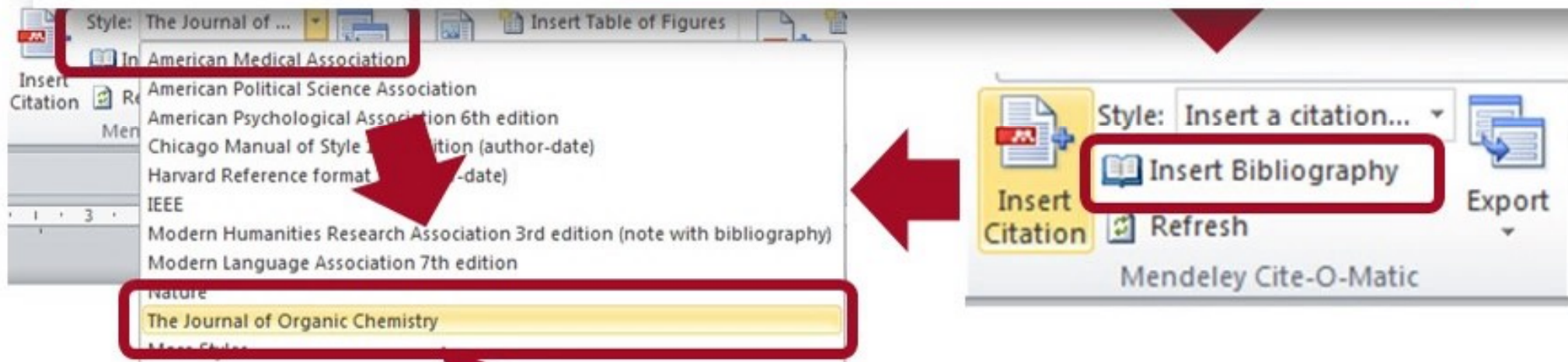
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(1) Zhang, X.; Zhou, L.; Wu, Y.; Skitmore, M.; Deng, Z. *Habitat Int.* 2015, 46, 91–100.

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An abstract graphic design on the left side of the slide. It features a large, dark brown silhouette of a tree with many leaves. Behind the tree are various geometric shapes and patterns in shades of yellow, blue, and grey. At the bottom, there are icons representing science: a blue and white DNA double helix, a blue and white atomic model, and a network of white nodes connected by dotted lines. The overall style is modern and scientific.

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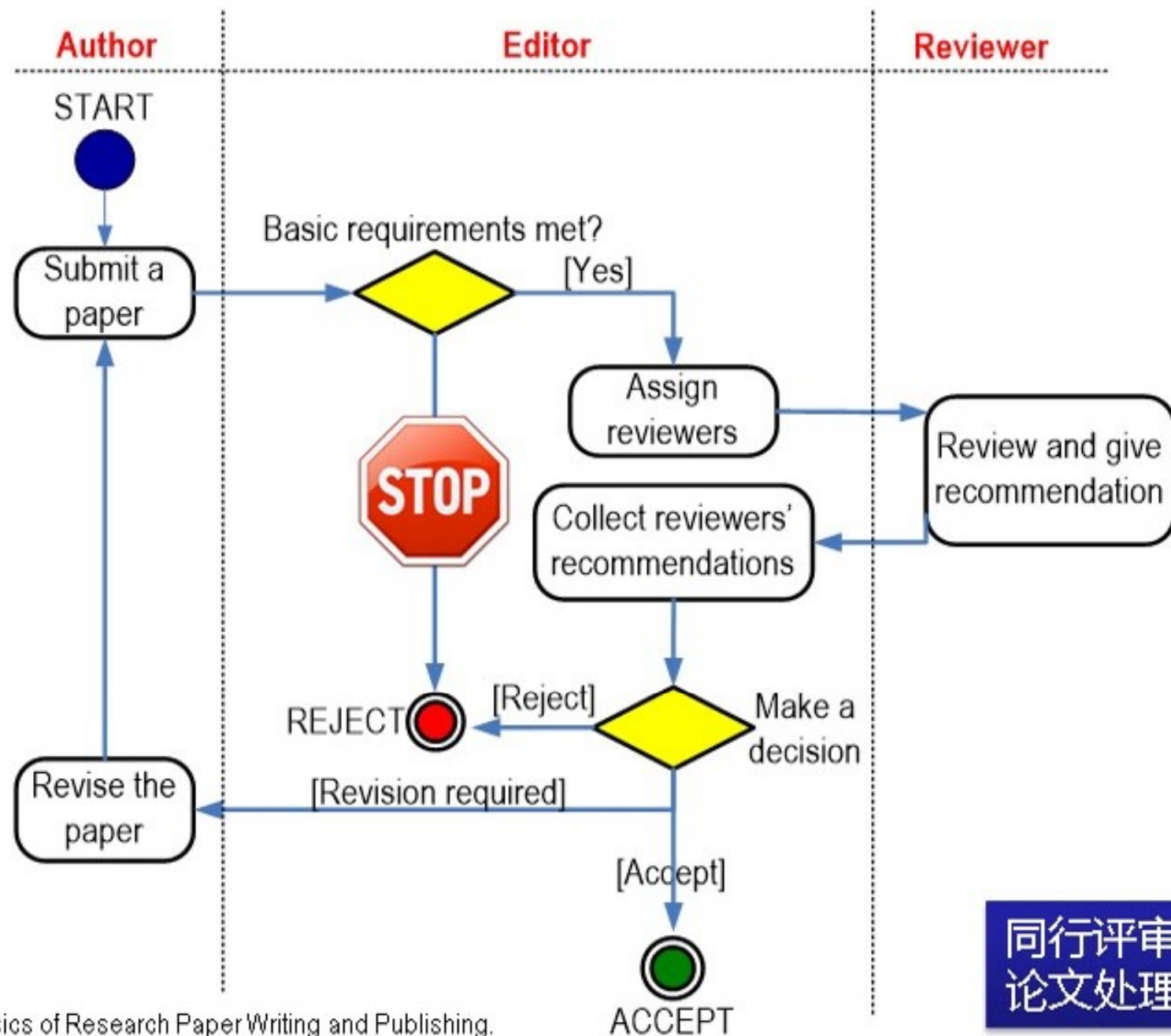
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Professor H. D. Schmidt
School of Science and Engineering
Northeast State University
College Park, MI 10000
USA

Example

所有作者的最终同意

Dear Professor Schmidt,

Enclosed with this letter you will find my electronic submission of a manuscript entitled "Mechano-sorptive creep under compressive loading - a micromechanical model" by John Smith and myself. This is an original paper which has neither previously nor simultaneously in whole or in part been submitted anywhere else. Both authors have read and approved the final version submitted.

Mechano-sorptive is sometimes denoted as accelerated creep. It has been experimentally observed that the creep of paper accelerates if it is subjected to a cyclic moisture content. This is of large practical importance for the paper industry. The present manuscript describes a micromechanical model on the fibre network level that is able to capture the experimentally observed behaviour. In particular, the difference between mechano-sorptive creep in tension and compression is analysed. John Smith is a PhD-student who within a year will present his doctoral thesis. The present paper will be a part of that thesis.

Three potential independent reviewers who have expertise in the area of this paper are:

Dr. Fernandez, Tennessee Tech, email1@university.com
Dr. Chen, University of Maine, email2@university.com
Dr. Singh, Colorado School of Mines, email3@university.com

I would very much appreciate if you would consider the manuscript for publication in the *International Journal of Science*.

Sincerely,

推荐审稿人

A. Professor

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Polystyrene-supported GaCl₃ as a highly efficient and recyclable heterogeneous Lewis acid catalyst for one-pot synthesis of N-substituted pyrroles

Ali Rahmatpour

Polymer Science and Technology Division, Research Institute of Petroleum Industry (RIPI), 14662-2237 Tehran, Iran

38 FILE INFO

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Received 27 December 2011
Received in revised form 10 March 2012
Accepted 21 March 2012

Keywords:
Polymer-supported catalyst
Pyrrole
Paal-Knorr condensation reaction
Heterogeneous Lewis acid catalyst

ABSTRACT

A new and environmentally friendly method for the preparation of N-substituted pyrroles by one-pot condensation reaction of hexanedione with amines and diamines in the presence of polystyrene-supported gallium trichloride (PS-GaCl₃) as a highly active and reusable heterogeneous Lewis acid catalyst is presented. The new protocol has the advantages of easy availability, stability, recyclability and eco-friendliness of the catalyst, high to excellent yields, simple experimental and work-up procedures.

1. Introduction

Functionally substituted pyrroles are an important class of nitrogen-containing heterocyclic compounds. They constitute the core unit of many natural products, synthetic drugs, and serve as building blocks for porphyrin synthesis [1]. Members of this family have wide applications in medicinal chemistry, being used as anti-infective, anti-inflammatory agents, antibacterial, antiviral [3–5]. These compounds can be prepared from the classical Hantzsch procedure [6], 1,3-dipolar cycloaddition reactions [7], aza-Wittig reactions [8], annulations reactions [9], and other multistep operations [10]. Despite these new developments, the Paal-Knorr reaction remains one of the most significant and simple methods for the synthesis of pyrroles. It consists of the cyclocondensation of primary amines with α,β-unsaturated carbonyl compounds to produce N-substituted pyrroles. Several catalysts have been used to promote this reaction including HCl [11], p-TSA [12], H₂SO₄ [13], Sc(OTf)₃ [14], Bi(NO₃)₃·5H₂O [15], SnCl₄·2H₂O [16], Ti(OPr)₄ [17], RuCl₃ [18], InCl₃·nH₂O [19], zeolite [20], Al₂O₃ [21], montmorillonite K10 [22], silica sulfonic acid [23], layered titanium phosphate and phosphonate [24], montmorillonite [25], montmorillonite KSF-clay and I₂ [26]. Recently, the above cyclocondensation reaction could proceed in ionic liquid [27] or ultrasonic and microwave irradiation [28]. However, despite the potential utility of these catalysts, many of

these methodologies for the synthesis of pyrroles are associated with several shortcomings such as low yields, prolonged reaction time, harsh reaction conditions, the requirement of excess of catalysts, the use of toxic and detrimental metal precursors as catalysts, and relatively expensive reagents and high temperature, and tedious work-up, leading to the generation of large amounts of toxic metal-containing waste. The main disadvantage of almost all existing methods is that the catalysts are destroyed in the work-up procedure and their recovery and reuse is often impossible, which limits their use under the aspect of environmental benign procedures. Heterogeneous supported catalysts have been gained much attention in recent years, as they possess a number of advantages in preparative procedures [29,30]. Immobilization of catalysts on solid support improves the available active site, stability, hygroscopic properties, handling, and reusability of catalysts which all factors are important in industry [31]. Therefore, use of supported and reusable catalysts in organic transformations has economical and environmental benefits. A large number of polymer supported Lewis acid catalysts have been prepared by immobilization of the catalysts on polymer via coordination or covalent bonds [32]. Such polymeric catalysts are usually as active and selective as their homogeneous counterparts while having the distinguishing characteristics of being easily separable from the reaction mixture, recyclability, easier handling, non-toxicity, enhanced stability, and improved selectivity in various organic reactions. Polystyrene is one of the most widely studied heterogeneous and polymeric supports due to its environmental stability and hydrophobic nature

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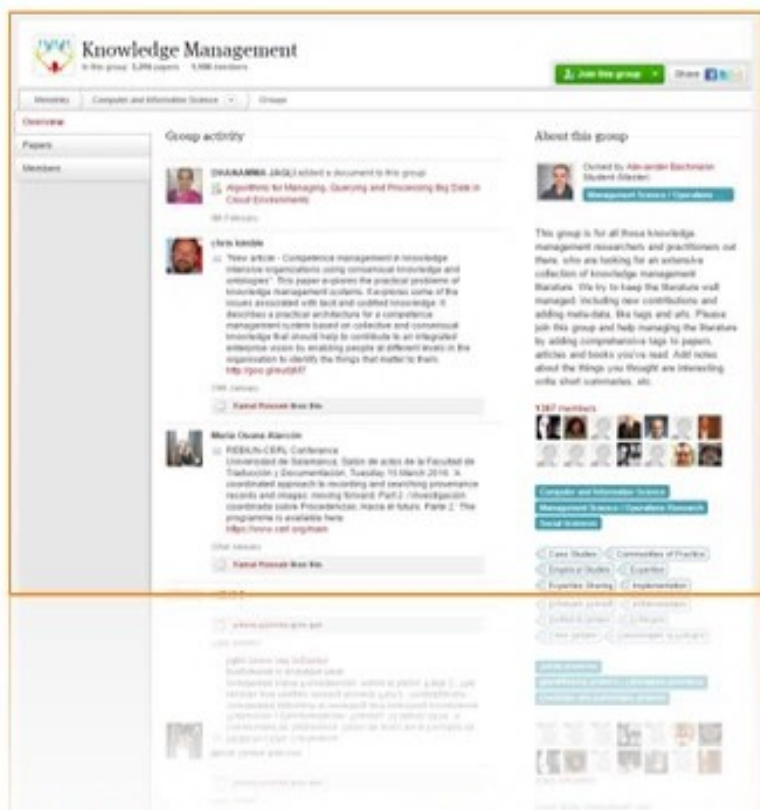
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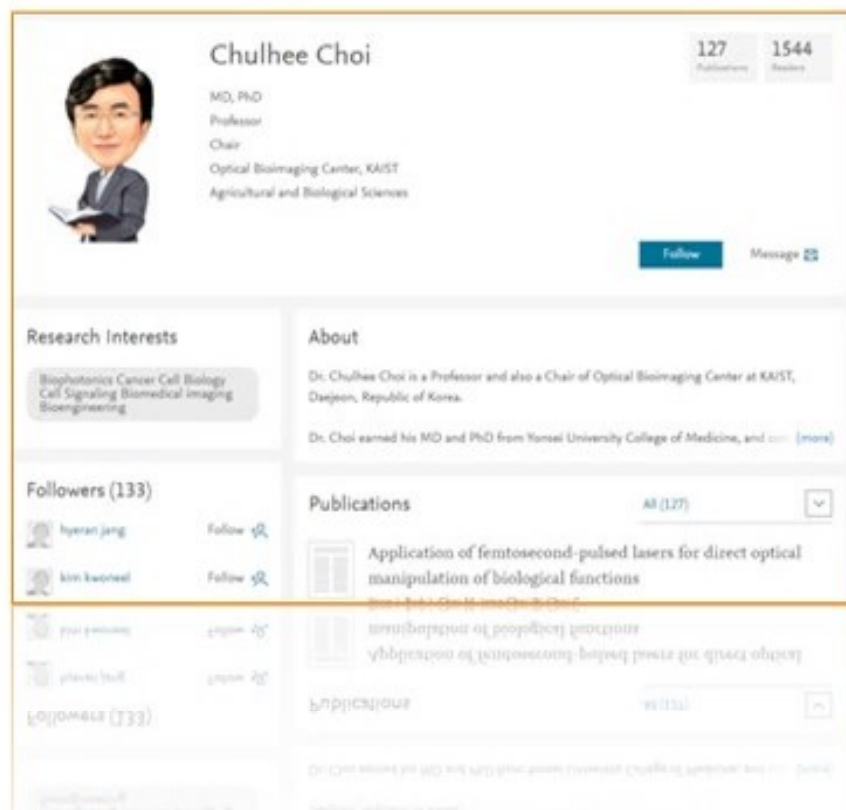
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Comment · 11th January
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About
I am a urological surgeon and translational researcher by training and background and spent over 11 years at the University of Cambridge developing the clinical urological services there and forming a new translational research group.
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