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Elsevier培训师：吕莹
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2014-05-12

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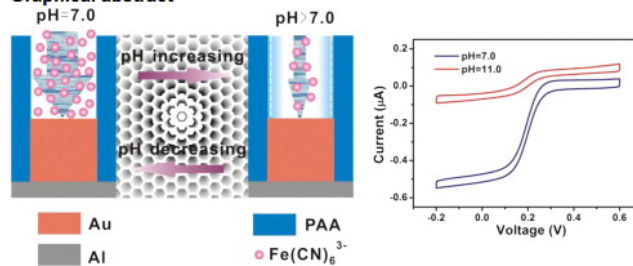
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Abstract

The spatio-temporal pattern of excess N_2 production due to denitrification and gaseous nitrogen (N) removal via N_2 emission were investigated for a large agricultural river (the Jiulong River) in southeast China. During 2010–2011, direct measurement of excess dissolved N_2 (ΔN_2 , denitrification product) using the N_2 :Ar

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Fig. 1.

Map of the Jiulong River North River (N5–N15), and West River were defined

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Hydrobiologia, 700 (2013), pp. 169–185

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Baxter et al., 2013 A.M. Baxter, L. Johnson, T. Royer, L.G. Leff

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Aquat. Sci., 75 (2013), pp. 275–284

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Nitrous oxide emission from denitrification in stream and river networks

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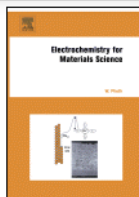
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Book description

This book introduces the principles of electrochemistry with a special emphasis on materials science. This book is clearly organized around the main topic areas comprising electrolytes, electrodes, development of the potential differences in combining electrolytes with electrodes, the electrochemical double layer, mass transport, and charge transfer, making the subject matter more accessible.

In the second part, several important areas for materials science are described in more detail. These chapters bridge the gap between the introductory textbooks and the more specialized literature. They feature the electrodeposition of metals and alloys, electrochemistry of oxides and semiconductors, intrinsically conducting polymers, and aspects of nanotechnology with an emphasis on the codeposition of nanoparticles.

This book provides a good introduction into electrochemistry for the graduate student. For the research student as well as for the advanced reader there is sufficient information on the basic problems in special chapters. The book is suitable for students and researchers in chemistry, physics, engineering, as well as materials science.

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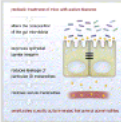
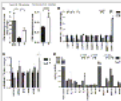
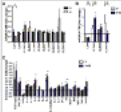
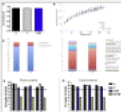
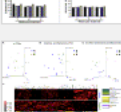
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Volume 155, Issue 7, 19 December 2013, Pages 1451–1463

Article

Microbiota Modulate Behavioral and Physiological Abnormalities Associated with Neurodevelopmental Disorders

Elaine Y. Hsiao^{1,2}, Sara W. McBride¹, Sophia Hsien¹, Gil Sharon¹, Embriette R. Hyde³, Tyler McCue³, Julian A. Codelli², Janet Chow¹, Sarah E. Reisman², Joseph F. Petrosino³, Paul H. Patterson^{1,4}, Sarkis K. Mazmanian^{1,4}

¹ Division of Biology and Biological Engineering, California Institute of Technology, Pasadena, CA 91125, USA
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³ Alkek Center for Metagenomics and Microbiome Research, Baylor College of Medicine, Houston, TX 77030, USA

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electrochemical storage systems has been demonstrated for both wind and photovoltaic REPs [1]. The efficacy of batteries in REPs is directly related to their content in energy efficiency and lifetime. Indeed, in virtue of their high value of energy efficiency, lithium batteries are expected to provide an energy return factor higher than that assured by conventional batteries, e.g. lead-acid batteries [2].

In addition to REPs, lithium ion batteries are also seen as the power sources of choice for sustainable transport because they are considered the best options which can effectively guarantee the progressive diffusion of HEVs, PHEVs, and BEVs at high levels [3]. In HEVs the synergic combination of ICE with an

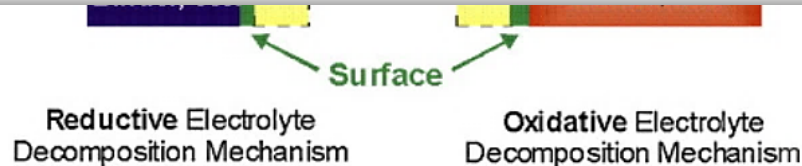


Fig. 5.

Operational principle of SEI formation in a C/LiCoO₂ lithium ion battery. Taken from "Report of the Basic Energy Science Workshop on Electric Energy Storage", Department of Energy, USA, http://www.sc.doe.gov/bes/reports/files/EES_rpt.pdf.

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The technical performance and energy requirements for production and transportation of a stand alone photovoltaic (PV)-battery system at different operating conditions are presented. Eight battery technologies are evaluated: lithium-ion (Li-ion), sodium-sulphur (NaS), nickel-cadmium (NiCd), nickel-metal hydride (NiMH), lead-acid (PbA), vanadium-redox (VRB), zinc-bromine (ZnBr) and polysulfide-bromide (PSB). In the reference case, the energy requirements for production and transport of PV-battery systems that use the different battery technologies differ by up to a factor of three. Production and transport of batteries contribute 24–70% to the energy requirements, and the PV array contributes 26–68%. The contribution from other system components is less than 10%. The contribution of transport to energy requirements is 1–9% for transportation by truck, but may be up to 73% for air transportation. The energy requirement for battery production and transport is dominant for systems based on NiCd, NiMH and PbA batteries. The energy requirements for these systems are

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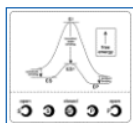
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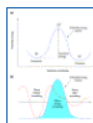
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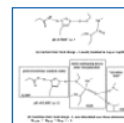
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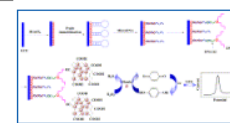


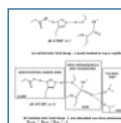
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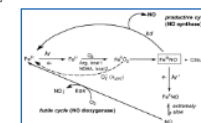
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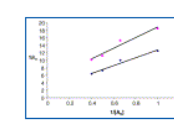
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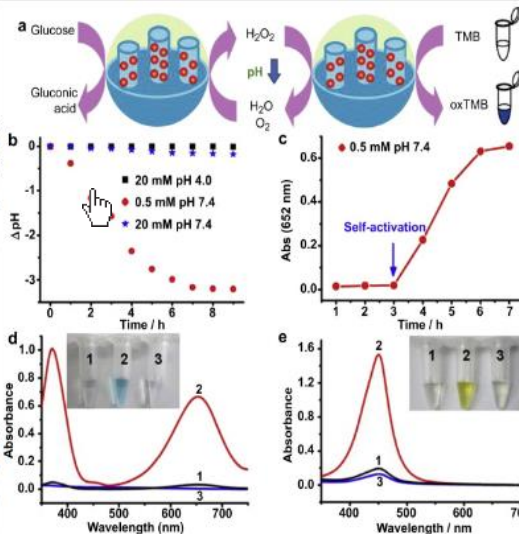
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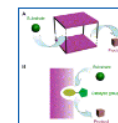


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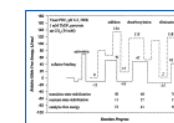


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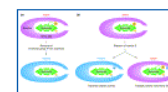
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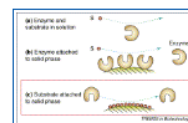


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同时搜索多个领域
Tips: 使用文档类型、时间及主题精简搜索

常用检索字段	字段名 (Field_name)	
	字段全称	简写编码
所有字段	all	all
题名/摘要/关键词	title-abs-key	tak
标题	title	ttl
摘要	abstract	abs
关键词	keywords	key
作者	authors	aut
特定作者	specific-author	aus
参考文献	references	ref
期刊/图书名	srcitle	src
作者机构	affiliation	aff

专家检索模式: **Field_name(search_term)**

布尔连接符	AND	默认算符，要求多个检索词同时出现在文章中
	OR	检索词中的任意一个或多个出现在文章中
	AND NOT	后面所跟的词不出现在文章中
通配符	*	取代单词中的任意个（0,1,2...）字母 如transplant* 可以检索到transplant, transplanted, transplanting...
	?	取代单词中的1个字母 如wom?n 可以检索到woman, women
邻近运算符	W/n PRE/n	两词相隔不超过n个词，词序不定 quick w/3 response 两词相隔不超过n个词，词序一定 quick pre/2 response
短语检索	“”	宽松短语检索，标点符号、连字符、停用字等会被自动忽略 “heart-attack”
	{ }	精确短语检索，所有符号都将被作为检索词进行严格匹配 {c++}

检索语言

拼写方式

当英式与美式拼写方式不同时，可使用任何一种形式检索

例：behaviour 与behavior; psychoanalyse 与psychoanalyze

单词复数

使用名词单数形式可同时检索出复数形式

例：horse -horses, woman –women

希腊字母

支持 α , β , γ , Ω 检索（或英文拼写方式）

法语、德语

重音、变音符号，如é, è, ä 均可以检索

大小写

英文字母不区分

上下标

To search H₂O, enter H2O



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Search for (Enter terms using Boolean connectors e.g. "heart attack" AND stress)

tak({design automation}) and "synthetic biolog*" and aus
(Matthew W)

Refine your search

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Arts and Humanities
Biochemistry, Genetics and Molecular Biology

Hold down the Ctrl key (or Apple Key) to select multiple entries.

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☒ Review Article ☐ Correspondence, Letter ☐ Product Review ☐ Erratum
☐ Short Survey ☐ Discussion ☐ Editorial

☐ All Years ☒ 2010 ▼ to: Present ▼ ☒ Articles in Press

Search | [Recall search](#)

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ScienceDirect

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⏴ **Select:** [Combine with AND](#) | [Combine with OR](#) | [? Combining tips](#)

	Search	Results	Actions
	TITLE-ABSTR-KEY(buffer layer) and FULL-TEXT(photovoltaic) [All Sources(- All Sciences -)]	611 articles	Edit Delete
<input type="checkbox"/>	TITLE-ABSTR-KEY(ZnO) and TITLE-ABSTR-KEY(solar cells) [Journals(- All Sciences -)]	1,452 articles	Edit Delete
<input type="checkbox"/>	TITLE-ABSTR-KEY(ZnO) [Journals(- All Sciences -)]	18,775 articles	Edit Delete
<input type="checkbox"/>	TITLE-ABSTR-KEY(ZnO) AND LIMIT-TO(yearnav , "2014") [Journals(- All Sciences -)]	269 articles	Edit Delete


Save Search History

Save search history as:

[Save History](#) | [Cancel](#)

设置提醒(Alert)或同步追踪 (RSS Feed)

173 articles found for: ALL(ZnO) AND SRCTITLEPLUS(Electrochemistry Communications)

 Save this search

 Save as search alert |  RSS Feed

Available Topic Alerts

Step 1 : To sign up for a Topic Alert, select a category from the drop-down menu below, and then click Go. You will then see a list of the available Topic Alerts within that category.

Please select your category of interest.









Chemistry

Go

Step 2 : Select the checkbox next to each topic alert you want to receive. To remove topic alerts, clear the checkbox next to each topic alert you no longer want to receive. Once your changes have been made, click "Save Settings".



Save

Alert name	Alert view	Alert frequency	Topic feed
<input type="checkbox"/> Analytical Chemistry	Latest Results Archive/Details	Weekly	
<input type="checkbox"/> Chemistry	Latest Results Archive/Details	Weekly	
<input checked="" type="checkbox"/> Electrochemistry	Latest Results Archive/Details	Weekly	
<input type="checkbox"/> Inorganic Chemistry	Latest Results Archive/Details	Weekly	
<input type="checkbox"/> Nanoscience and Technology - Chemistry	Latest Results Archive/Details	Weekly	
<input type="checkbox"/> Organic Chemistry	Latest Results Archive/Details	Weekly	
<input type="checkbox"/> Spectroscopy	Latest Results Archive/Details	Weekly	
<input type="checkbox"/> Theoretical Chemistry	Latest Results Archive/Details	Weekly	



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管理个人提醒(My alerts)

检索提醒

Search alerts

[Add search alert](#)

Alert name	Alert view	Alert frequency	Alert actions	Search feed
TITLE-ABSTR-KEY(buffer layer) and TITLE-ABSTR-KEY(solar)	Latest results Archive	Weekly	Modify Delete	
ZnO in solar cells	Latest results Archive	Weekly	Modify Delete	
Douglas-cancer cell-transgenic mice	Latest results Archive	Weekly	Modify Delete	
Douglas-cancer cell-transgenic mice	Latest results Archive	Weekly	Modify Delete	

* Search Alerts will be set to inactive if they are not used for an extended period of time. Click on Modify link to activate an Inactive Search Alert.

If you are unsure of how to create a Search Alert, please try one of our pre-made [Topic Alerts](#).

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Topic alerts

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[Add/Delete topic alerts](#)

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Electrochemistry	Latest results Archive/Details	Weekly	Delete	

期刊/丛书提醒

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Alert name	Publication type	Alert view	Alert frequency	Alert actions	Article feed
Applied Surface Science	Journal	Articles in Press Latest Volume/Issue	As Published	Delete	
Cell	Journal	Latest Volume/Issue	As Published	Delete	
Electrochemistry Communications	Journal	Articles in Press Latest Volume/Issue	As Published	Delete	
Interface Science and Technology	Book Series	Latest Volume/Issue	As Published	Delete	
Progress in Surface Science	Journal	Articles in Press Latest Volume/Issue	As Published	Delete	
Studies in Surface Science and Catalysis	Book Series	Latest Volume/Issue	As Published	Delete	
Surface Science	Journal	Articles in Press Latest Volume/Issue	As Published	Delete	
Thin Solid Films	Journal	Articles in Press Latest Volume/Issue	As Published	Delete	

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1. **Efficient chemoselective deprotection of silyl ethers using catalytic 1-chloroethyl chloroformate in methanol** • Article
Tetrahedron, Volume 61, Issue 52, Pages 12227-12237
Yeom, C.E.; Kim, Y.J.; Lee, S.Y.; Shin, Y.J.; Kim, B.M.
[Cited by Scopus \(10\)](#)
2. **Recent advances in graphene based polymer composites** • Review article
Progress in Polymer Science, Volume 35, Issue 11, Pages 1350-1375
Kuilia, T.; Bhadra, S.; Yao, D.; Kim, N.H.; Bose, S.; Lee, J.H.
[Cited by Scopus \(364\)](#)
3. **Surface modification of inorganic nanoparticles for development of organic-inorganic nanocomposites-A review** • Review article
Progress in Polymer Science
Kango, S.; Kalia, S.; Celli, A.; Njuguna, J.; Habibi, Y.; Kumar, R.
4. **The surface science of titanium dioxide** • Review article
Surface Science Reports, Volume 48, Issue 5-8, Pages 53-229
Diebold, U.
[Cited by Scopus \(2387\)](#)
5. **Surface plasmon resonance sensors: review** • Article
Sensors and Actuators B: Chemical, Volume 54, Issue 1-2, Pages 3-15
Homola, J.; Yee, S.S.; Gauglitz, G.
6. **Carbon nanotube-polymer composites: Chemistry, processing, mechanical and electrical properties** • Review article
Progress in Polymer Science, Volume 35, Issue 3, Pages 357-401
Spitalsky, Z.; Tasis, D.; Papagelis, K.; Galiotis, C.
[Cited by Scopus \(516\)](#)
7. **Some organo-compounds of calcium, strontium and barium** • Article
Journal of Organometallic Chemistry, Volume 32, Issue 3, Pages 279-284
F.A.; M.A.
[Cited by Scopus \(16\)](#)
8. **TiO₂ photocatalysis and related surface phenomena** • Review article
Surface Science Reports, Volume 63, Issue 12, Pages 515-562
Fujishima, A.; Zhang, X.; Tryk, D.A.
[Cited by Scopus \(1438\)](#)
9. **TiO₂ photocatalysis: Design and applications** • Review article
Journal of Photochemistry and Photobiology C: Photochemistry Reviews, Volume 13, Issue 3, Pages 169-189
Nakata, K.; Fujishima, A.
[Cited by Scopus \(78\)](#)
10. **Organic-inorganic hybrid solar cells: A comparative review** • Review article
Solar Energy Materials and Solar Cells, Volume 107, Pages 87-111
Wright, M.; Uddin, A.
11. **A review of chitin and chitosan applications** • Review article
Reactive and Functional Polymers, Volume 46, Issue 1, Pages 1-27
Ravi Kumar, M.N.
[Cited by Scopus \(1316\)](#)
12. **Polymer nanoparticles: Preparation techniques and size-control parameters** • Review article
Progress in Polymer Science, Volume 35, Issue 11, Pages 1350-1375
Kuilia, T.; Bhadra, S.; Yao, D.; Kim, N.H.; Bose, S.; Lee, J.H.
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TrainingDesk

The screenshot shows the TrainingDesk website with a blue header. The header contains navigation links: ABOUT, VIDEO TUTORIALS, TIP SHEETS, CONTACT US, and RSS FEEDS. The TrainingDesk logo is on the left, with the tagline 'Resources for mastering Elsevier's world-class, scholarly research tools'. To the right of the logo are two search dropdowns: 'Search By Product' and 'Search By Language'. Below the header is a row of four tabs: 'Trainings by Product', 'Trainings by Task', 'Librarians Area', and 'Journal Editors Area'. The main content area starts with the question 'What are you looking to learn today?' followed by a 'Search Trainings' input field with a magnifying glass icon. Below this are two large colored boxes. The left box is green and titled 'start learning now' with an icon of a person at a computer. It contains the text 'Watch video tutorials to learn how to better facilitate the research process on your own time.' and a 'BROWSE ALL' button. The right box is orange and titled 'help others learn' with an icon of a person presenting to a group. It contains the text 'Learn how to share materials on this site with others.' and a 'START SHARING' button. At the bottom of the main content area are three links: '→ Video Tutorial Showcase', '→ Tip Sheets', and '→ Webinars'.

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<http://trainingdesk.elsevier.com/products/ScienceDirect>



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3.Elsevier期刊投稿常识

内容

- 1) Elsevier期刊投稿流程
- 2) EES投稿平台
- 3) 爱思唯尔作者权利与责任



1) Elsevier期刊投稿流程

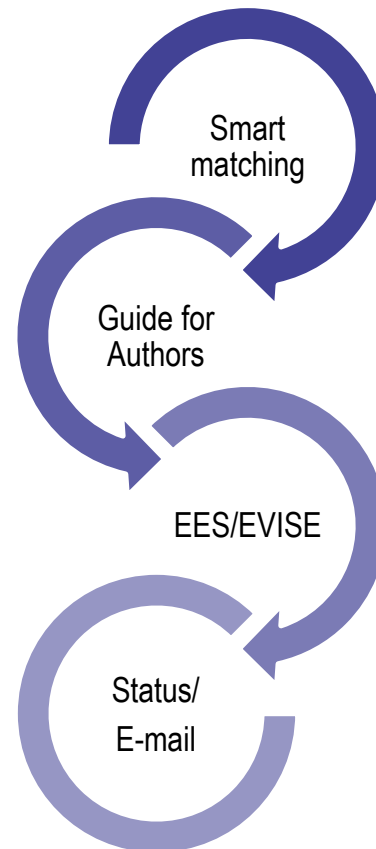
Elsevier学术期刊出版流程

a. 寻找合适的期刊

b. 准备论文

c. 提交论文

d. 检查状态



a.寻找合适的期刊

期刊寻找:

- 参考文献的期刊
- 期刊排名与影响力 **Journal Ranking**
- 寻求导师或同事的帮助

导师或同事通常也是合作作者，对论文负共同责任

- 寻找热点主题 **top25.sciencedirect.com**
- **Elsevier Journal Finder**

对于目标期刊:

- 研读期刊的 **Aims & Scope**及**Guides for Authors**
并检查文章是否符合期刊要求
- 查看期刊是否只接受邀请投稿
- 查看期刊的出版是否满足需求
- 查看期刊是否符合资助机构的要求



Elsevier Journal Finder

The screenshot shows a web browser window with the URL `http://journalfinder.elsevier.com/`. The page features the Elsevier logo and a 'Send us feedback' button. The main heading is 'Find the perfect journal for your article' with a 'BETA' tag. Below this, a paragraph explains the tool's purpose and mentions the 'Elsevier Fingerprint Engine™'. A sub-heading 'Simply insert your title and abstract and select the appropriate field-of-research for the best results.' is followed by three input sections: 'Paper title' with a text box, 'Paper abstract' with a larger text box, and 'Fields of research' with a grid of checkboxes for various disciplines. A 'Filter' section includes a checkbox for 'Limit to journals with Open Access options'. A 'FIND JOURNAL' button is at the bottom.

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Simply insert your title and abstract and select the appropriate field-of-research for the best results.

Paper title

Paper abstract

Fields of research
Select up to three fields of research

<input type="checkbox"/> Agriculture ↗	<input type="checkbox"/> Economics ↗	<input type="checkbox"/> Materials Science and Engineering ↗
<input type="checkbox"/> GeoSciences ↗	<input type="checkbox"/> Humanities and Arts ↗	<input type="checkbox"/> Life and Health Sciences ↗
<input type="checkbox"/> Mathematics ↗	<input type="checkbox"/> Physics ↗	<input type="checkbox"/> Social Sciences ↗
<input type="checkbox"/> Chemistry ↗		

Filter

☐ Limit to journals with Open Access options

FIND JOURNAL

查询结果

Search results (10)

Journal title

Match

Sort by Impact Factor ▼

Open Access

Editorial Times

Acceptance

Production Times

Current Opinion in Plant Biology



Match

8.455

Impact Factor

-

Open Access

5 weeks

Editorial Times

100 %

Acceptance

15 weeks

Production Times

[View Scope and more information](#) ▼

[Full aims and scope on journal homepage](#) ↗

[Submission by invitation only](#)

Bioresource Technology



Match

4.750

Impact Factor

-

Open Access

2 weeks

Editorial Times

27 %

Acceptance

9 weeks

Production Times

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Field Crops Research



Match

2.474

Impact Factor

-

Open Access

5 weeks

Editorial Times

27 %

Acceptance

6 weeks

Production Times

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[Submit Your Paper](#) ↗

Agricultural Water Management



Match

2.203

Impact Factor

-

Open Access

8 weeks

Editorial Times

29 %

Acceptance

9 weeks

Production Times

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Journal of Cereal Science



Match

2.088

Impact Factor

-

Open Access

8 weeks

Editorial Times

36 %

Acceptance

17 weeks

Production Times

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Biochemical Systematics and Ecology



Match

1.153

Impact Factor

-

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10 weeks

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Acceptance

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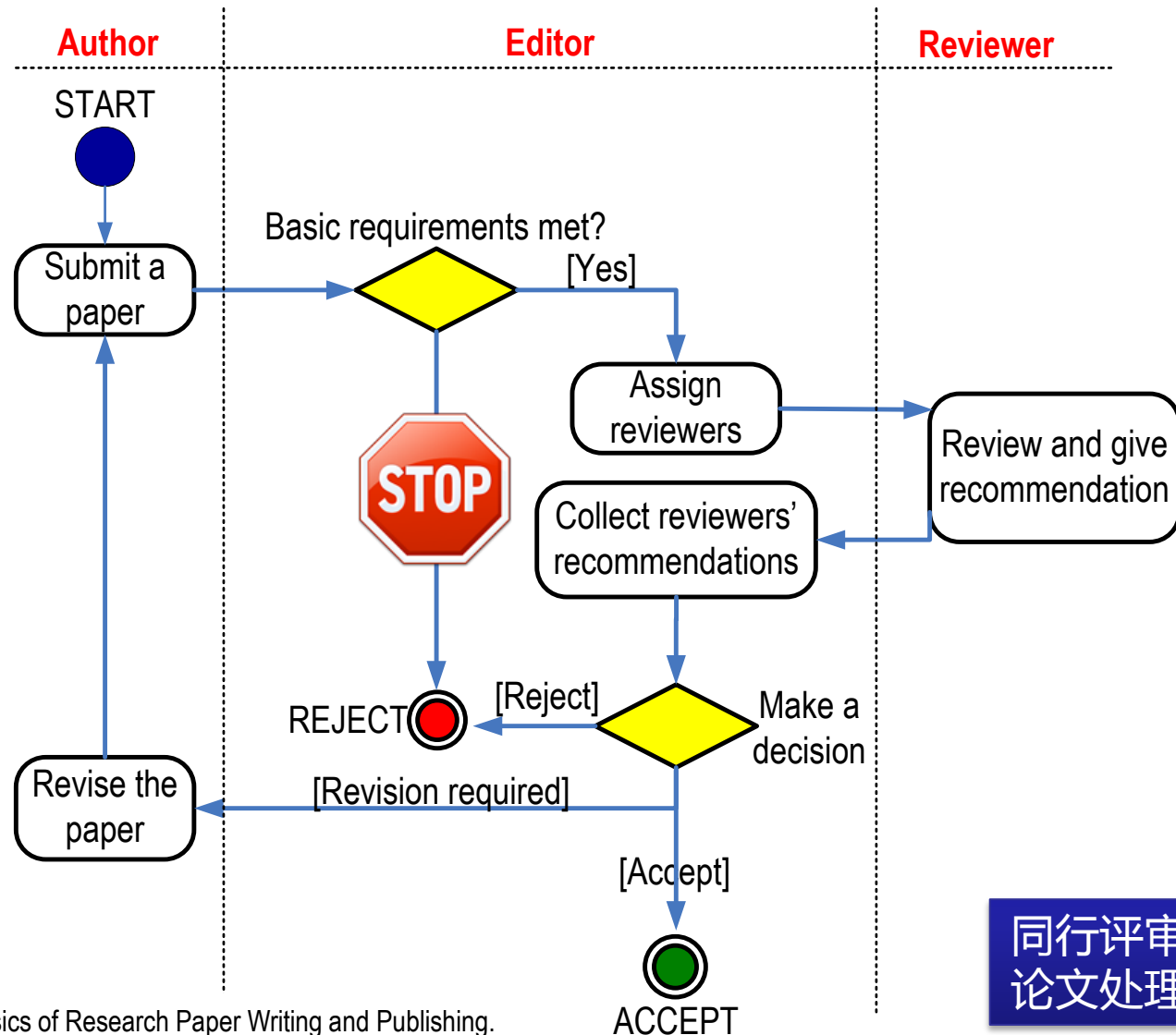
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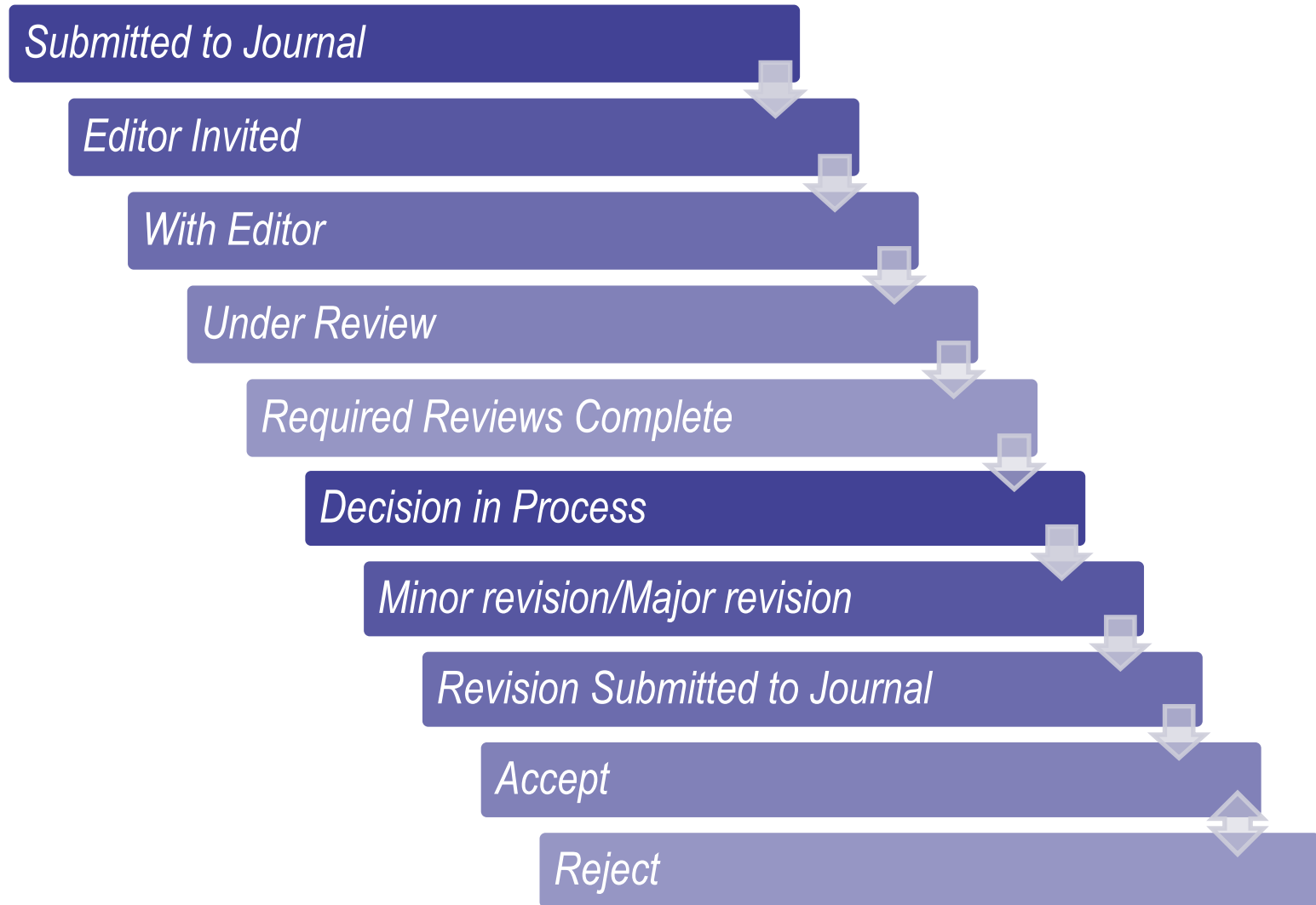
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 - 公式和表格
 - 术语、缩略语
 - 参考文献格式
- 准备投稿所需其他材料
 - Cover letter
 - Highlights
 - Graphic abstract
 - Select reviewers

c.提交论文



同行评审体系
论文处理流程

d.检查状态



Communication with Editor and Reviewers

提交新稿: **Cover letter**

提交修改稿: **Rebuttal Letter**

被拒后: **Appeal Letter**

提醒: **Reminder Letter**



Cover Letter

- Read by **editors**
- A **crucial** part of the manuscript submission package.
- An **opportunity** to convey important information to the editors.
- Help the editors reach a **quicker decision**.
- Tip the balance **for peer review**.

Basic information:

- ✓ Editor Addressing
- ✓ Research originality & innovation
- ✓ Main conclusion
- ✓ Any supportable info to your submission
- ✓ Recommended reviewer
- ✓ Any conflict of interest in producing the research
- ✓ Details of any previous or concurrent submissions

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 the 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

阐述研究的重要性

注意事项

- 一稿多投(multiple/simultaneous submissions)
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- 合适的审稿人
- 论文的新意(cover letter)
- 逻辑性，合理性
- 语言及图片的质量

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An International Journal for Scientific Research on the Interaction Between Agroecosystems and the Environment

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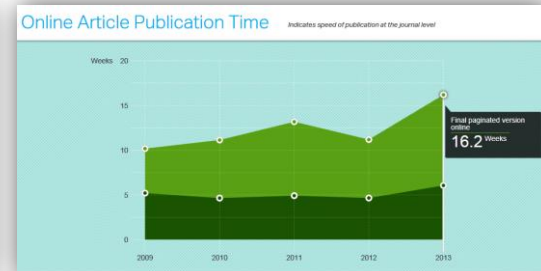
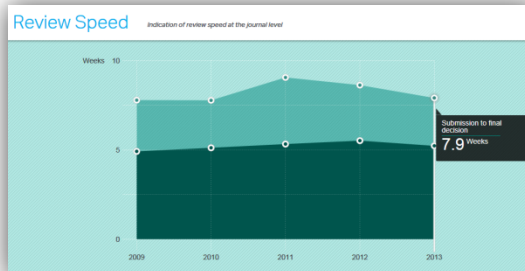


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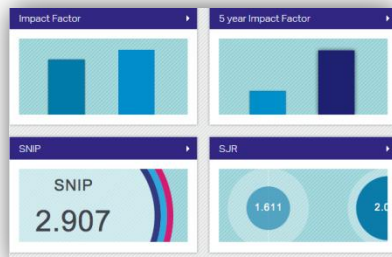
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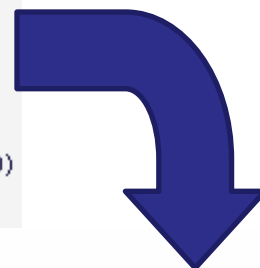
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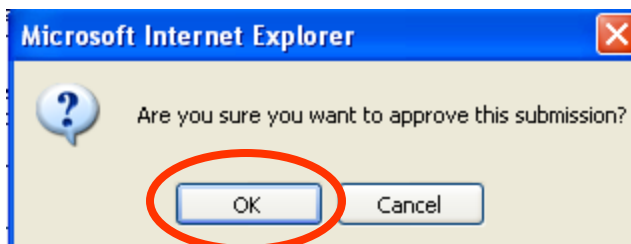
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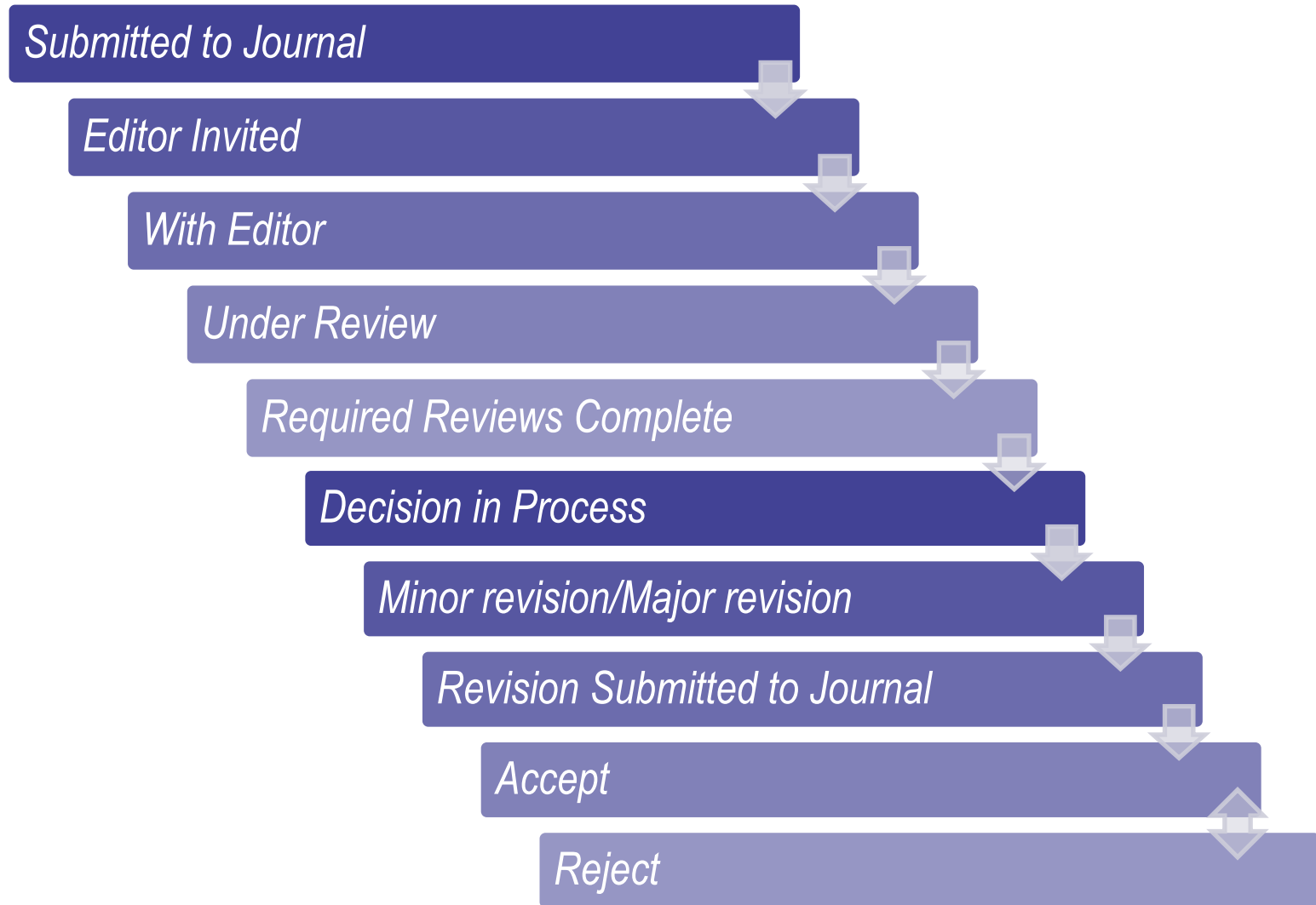
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Ali Rahmatpour³³

Polymer Science and Technology Division, Research Institute of Petroleum Industry (RIPI), 14665-1137 Tehran, Iran

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Heterogeneous Lewis acid catalyst

ABSTRACT

A new and environmentally friendly method for the preparation of N-substituted pyrroles from one-pot condensation reaction of hexan-2-one 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, reusability and eco-friendly of the catalyst, high to excellent yields, simple experimental and work-up procedure.

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1. Introduction

Functionally substituted pyrroles are an important class of nitrogen-containing heterocyclic compounds. They constitute the core unit of many natural products, synthetic materials, and serve as building blocks for porphyrin synthesis [1,2]. Members of this family have wide applications in medicinal chemistry, being used as antimalarial, anti-inflammatory agents, antibacterial, and antiviral [3–5]. These compounds can be prepared from the classical Hantzsch procedure [6], 1,3-dipolar cycloaddition reactions [7], azo-Wittig reactions [8], annulations reactions [9], and other multistep operations [10]. Despite these new developments, the Paal-Knorr condensation remains one of the most significant and simple methods for the synthesis of pyrroles. It consists of the cyclocondensation of primary amines with 1,2-dicarbonyl 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], SnCl₂·2H₂O [16], Ti(OPr)₄ [17], RuCl₃ [18], InCl₃, InBr₃, In(OTf)₃ [19], zeolite [20], Al₂O₃ [21], montmorillonite K10 [22], silica sulfuric acid [23], layered zirconium phosphate and phosphonate [24], montmorillonite [25], montmorillonite KSF-clay and I₂ [26]. Usually, the above cyclocondensation process 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 limit their use under the aspect of environmentally benign processes.

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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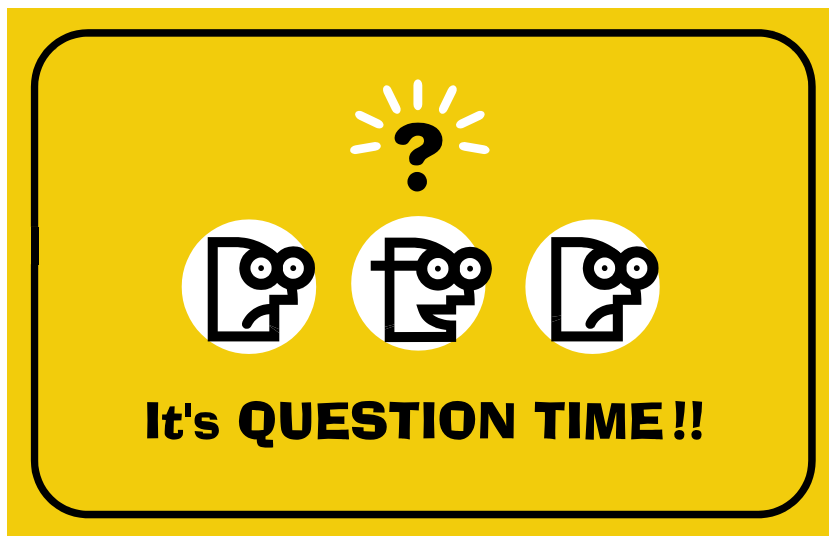
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