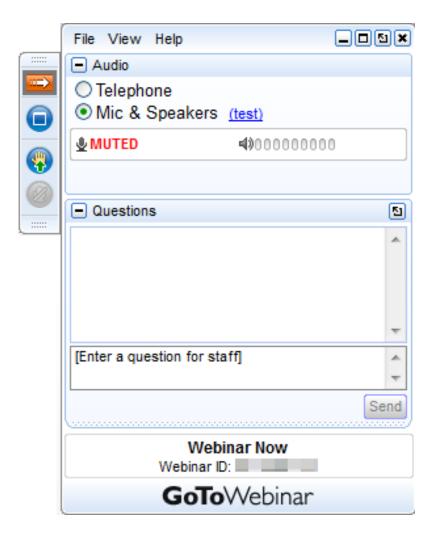


Research4Life: ARDI, HINARI, AGORA, and OARE

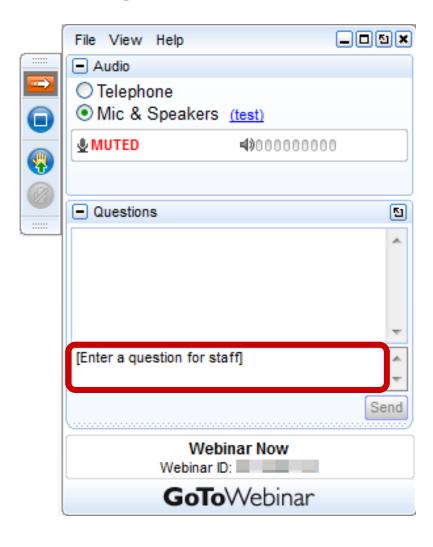
Geneva November 26, 2014

Mussadiq Hussain

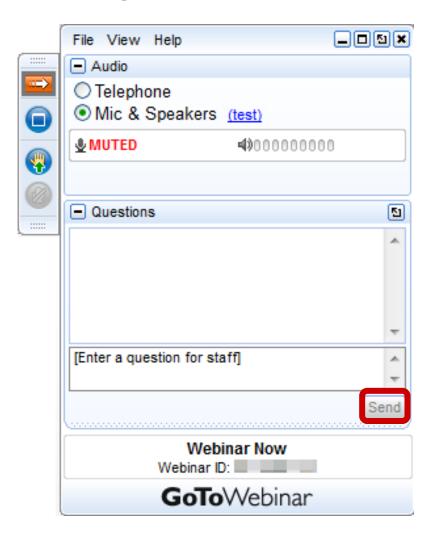
Program Officer, Innovation and Technology Support Section



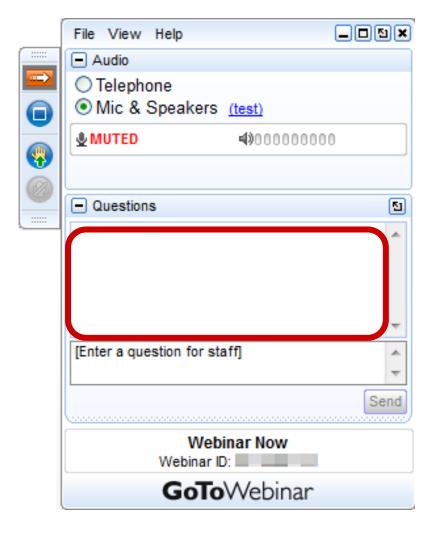














Overview

- What is Research4Life (R4L)?
- How can I sign up for ARDI and other R4L programs?
- How can I use ARDI?



Research4Life: Background

- Free or low-cost access to academic and professional peer-review content online for institutions in developing countries
- Over 44'000 journals, books, and databases from over 150 contributing publishers



Research4Life: Partnership

- Public-private partnership
 - WIPO, FAO, UNEP, WHO
 - Cornell University and Yale University
 - International Association of Scientific, Technical & Medical Publishers
 - Microsoft (technology partner)
- Objective: Reducing the scientific knowledge gap between industrialized countries and the developing world (→ Millennium Development Goals)



Research4Life: Programs





World Intellectual Property Organization





World Health Organization





Food and Agriculture Organization of the United Nations





United Nations Environment Programme



Research4Life: Eligibility (countries)

- Group A (Free access)
 - Inclusion in the UN list of LDCs
 - HDI less than 0.63
 - GNI per capita at or below \$1600
- Group B (Low-cost access)
 - HDI at or below 0.67
 - GNI per capita less than \$5000



Research4Life: Eligibility (institutions)

- Local, non-profit institutions
 - universities and colleges
 - professional schools
 - research institutes
 - agricultural extension centers and experiment stations
 - teaching hospitals
 - government offices
 - national libraries
 - local NGOs

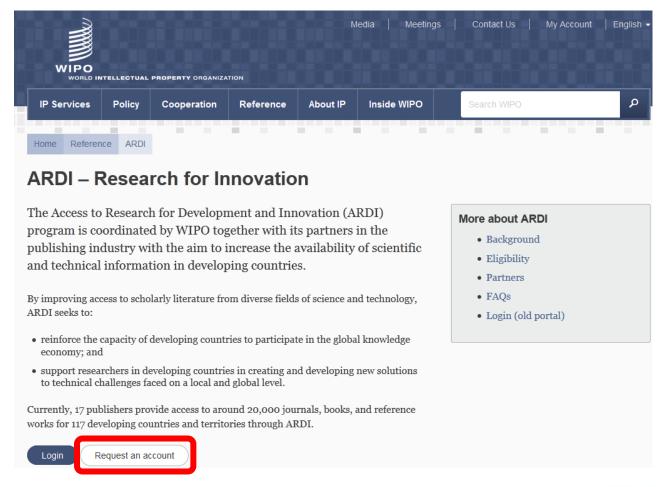


Research4Life: Beneficiaries

- Participation in Research4Life on institution basis (institutional username and password)
 - Access available to all Authorised Users (employees, permanent or visiting faculty, or students)
 - Access available to Walk-in Users while on-site
 - Limited downloading and printing permitted
 - → electronic reserves and course packs
 - Content not to be made available to third parties



ARDI Homepage (wipo.int/ardi)





Step 1: Check registration status

Registration form is available in three languages: English, Spanish and French











If your institution is an academic, government or research institution in a developing country, you may be eligible to join one or more of the Research4Life Programmes (check eligibility).

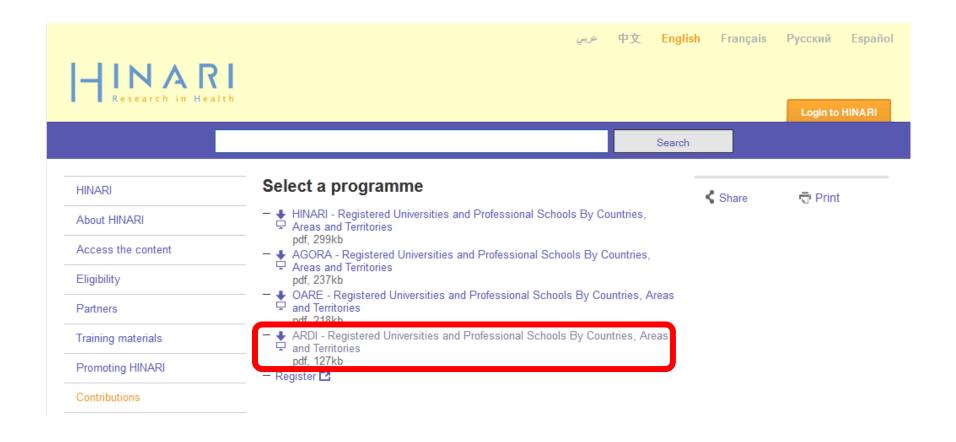
Your institution might already be registered with one of the programmes. If so, it can register again for a different programme, but before proceeding, please check the list of registered institutions before proceeding.

Please note that (1) Only one registration per programme is required per institution, and (2) More than one contact is required to register an institution. (3) Individuals are not eligible to register, only institutions. (4) Only one programme can be selected for registration at a time. (5) Registration instructions are available in: English, español and français at http://www.research4life.org/howtoregister2/

Once we review your registration, we will issue a common username and password for all staff at your institution. As HINARI, AGORA, OARE and ARDI are in fact virtual libraries, we suggest that your institution's librarian be our main contact point. Should your institution not have a library, your director will be the main contact.



Step 1: Check registration status





Step 1: Check registration status

Sri Lanka		
Jaffna		
	University of Jaffna	ARDI
Nugegoda		
	University of Sri Jayewardenepura	ARDI



Step 2: Complete registration form

Programme (REQUIRED): Please select one programme based on the information needs of your organization. More information on the content available in each programme is available by clicking on the programme logos above.	HINARI: ○ AGORA: ○ OARE: ○ ARDI: ○
Country, area, or territory (REQUIRED):	-
Type of institution (REQUIRED):	•
Institution name full (REQUIRED):	
Institution postal address:	
Institution city (REQUIRED):	
Telephone country code:	Telephone city code:
Institution telephone number (REQUIRED) (NOTE: exclusively numeric: no symbols, no spaces allowed):	
Institution fax number:	
Institution website:	



Step 3: Start using ARDI

Dear Sir/Madam,

Thank you for your interest in the Access to Research for Development and Innovation (ARDI) program, administered by the World Intellectual Property Organization in cooperation with its partners in the scientific and technical publishing community. Through ARDI, your institution can benefit from low-cost access to an extensive collection of scientific and technical journals, books, and other resources.

We are pleased to hereby provide you with the login details required to access to resources made available through ARDI and request that you return the attached Institution User License agreement to us at your earliest convenience and no later than one month after receiving this email.

Your institution's login details are as follows:

Username: Password:

Portal: http://ardi2.wipo.int

Please note that you are encouraged to share your organization's login details with all employees, permanent or visiting faculty, and students at your institution. The login details may not be shared with users outside of your organization. However, users outside of your organization may use ARDI resources while on the premises of your organization, e.g. if an employee logs into ARDI for them. More information about the use of ARDI resources can be found in the ARDI Frequently Asked Questions (FAQs) at: http://wipo.int/ardi/en/faq/

To begin accessing the resources available through ARDI, please follow these steps:

Go to the ARDI homepage (http://www.wipo.int/ardi) and click the "Login" button, or navigate directly to the login page at: http://ardi.wipo.int

- Username and password
- Instructions on using ARDI



Step 4: Sign Institution User License

INSTITUTION USER LICENCE

The Access to Research for Development and Innovation (ARDI) program is coordinated by the World Intellectual Property Organization (WIPO) in collaboration with science and technology publishers and content providers. It is intended to provide access to scientific and technical information to national patent offices and academic and research institutions so as to stimulate innovation and promote the use of industrial property rights in least developed and developing countries. Access to this information will generally be provided at no cost by the Publishers to designated institutions in certain countries (Group A) that fulfil at least one of the following criteria: status as a least developed country, a Human Development Index score below 0.63 or gross national income per capita equal to or below 1600 US dollars. Access to this information will generally be provided at low cost by the Publishers to designated institutions in certain countries (Group B) that do not meet the criteria for Group A but do fulfil the following criteria: a Human Development Index score equal to or below 0.67 or gross national income per capita below 5000 US dollars. Access will be governed by the terms of this Licence.

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This Licence constitutes a formal and legal agreement between

Outlines rights and responsibilities of participating institutions



Scenario

You have carried out a search in a patent database for inventions related to antifouling coatings for ship hulls and have come across a particularly interesting patent application.

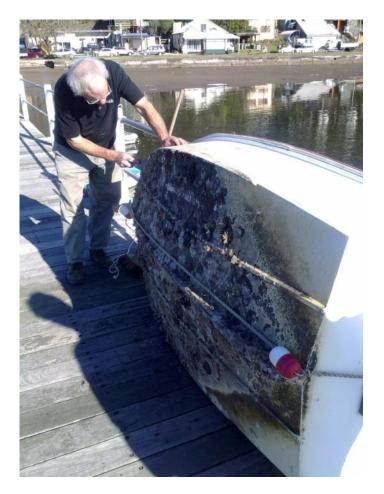


Photo source: Doug Beckers

WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

Scenario

You review the search report associated with the patent application to find related publications.

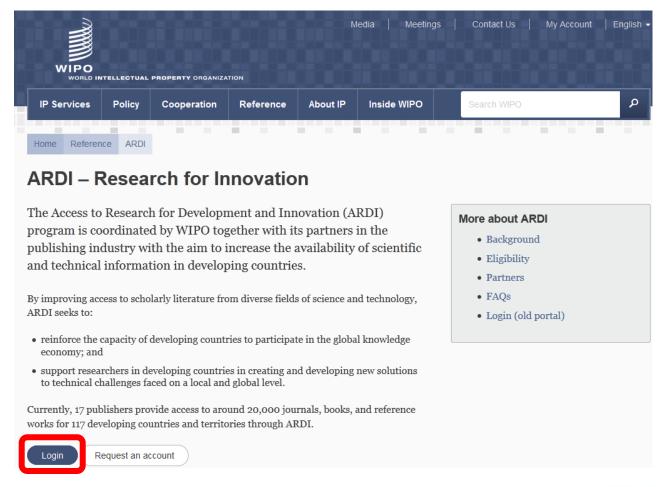


International Search Report

			nternational application No.	
C (Continuat	BATION). DOCUMENTS CONSIDERED TO BE RELEVANT PO		T/AU2013/001416	
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
х	MONTERROSO, S. C. C. et al. "Mixed polyelectrolyte coatings on glassy carbon electrodes: Ion-exchange permselectivity properties and analytical application of poly L-lysine-poly(sodium 4-styrenesulfonate)-coated mercury film electrodes for the detection of trace metals", Talanta, 2006, 68, 1655-1662 Abstract; Columns 5-6, 14-15	-	1-3, 8-13	
х	BEATTY, S. T. et al. "Comparison of novel and patented silica-polyamine composite materials as aqueous heavy metal ion recovery materials", Separation Science and Technology, 1999, 34, 2723-2739 Abstract; Page 2727-2728, 2730, 2738		1-6, 8, 12-14	
Х	WO 1992/007037 AT (A.B.O.E. PTY LTD) 30 April 1992 Abstract; Page 3, Lines 22-26; Page 4, Line 23 through Page 5, Line 14; Page 7		1-3, 8, 12-13	
х	NAGAOKA, T. et al. "Self-assembled monolayer-based electrodes for selective determination of Cu ²⁺ and Ag ⁺ ions with antifouling activity against protein adsorptio Analytical Sciences, 1999, 15, 857-862 Abstract; Columns 1-4, 7	n",	1, 8-10, 12-13	

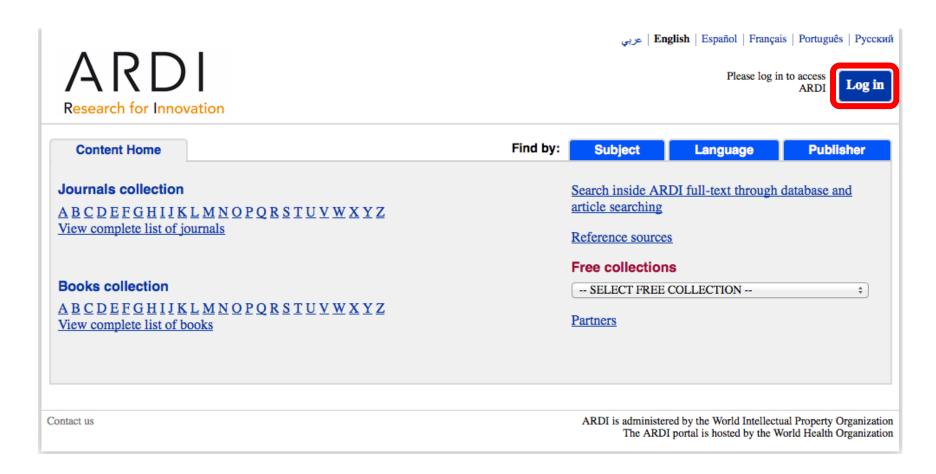


ARDI homepage (wipo.int/ardi)





ARDI content portal





R4L login



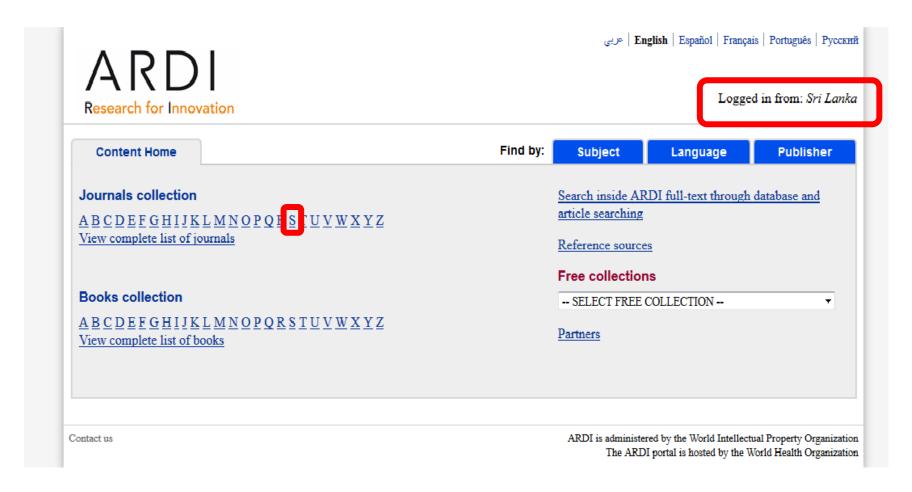
Type your user name and password.					
User name:	ardi-lk500				
Password:	••••				
	Sign In				

Our expanded authentication system is currently requiring a second login of your HINARI, AGORA, OARE or ARDI access accounts for some publishers. We apologise for the inconvenience and are working to reduce the need for this second login request.

Nuestro sistema de autenticación ampliado está solicitando el inicio de una segunda sesión en HINARI, AGORA, OARE y ARDI para tener acceso al contenido de ciertas editoriales. Solicitamos disculpas por las molestias y le informamos que estamos



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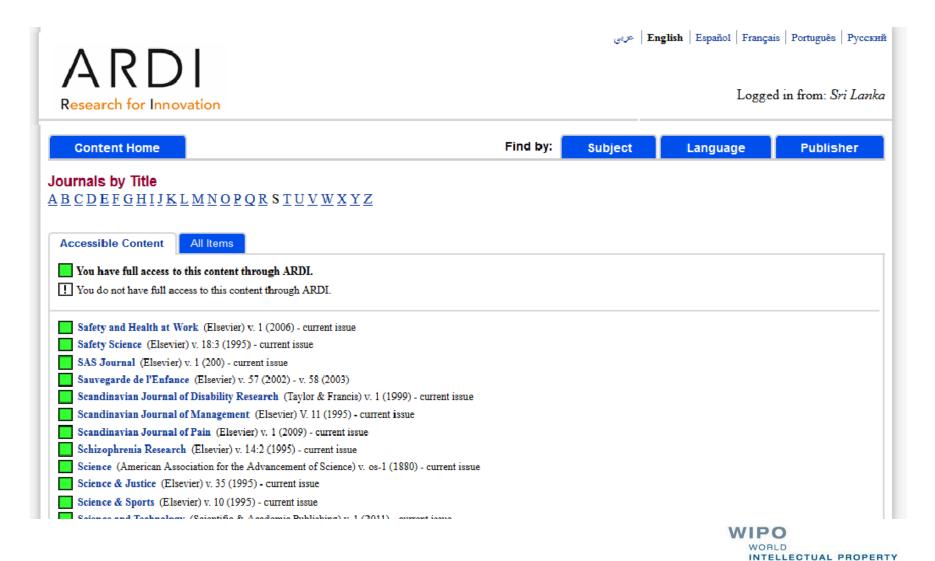


Tip!

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ARDI content portal: Journal list (S)



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ARDI content portal: Journal list (S)

Seminars in Ultrasound, CT and MRI (Elsevier) v. 16 (1995) - current issue

Seminars in Vascular Surgery (Elsevier) v. 15 (2002) - current issue

Seminars in Virology (Elsevier) v. 6 (1995) - v. 8:6 (1998)

Sensors and Actuators A: Physical (Elsevier) v. 46 (1995) - current issue

Sensors and Actuators B: Chemical (Elsevier) v. 23 (1995) - current issue

Separation and Purification Reviews (Taylor & Francis) v. 1 (1972) - current issue

Separation Science & Technology (Elsevier) v. 11 (1997) - current issue

Separation Science and Technology (Elsevier) v. 1 (1996) - current issue

Separations Technology (Elsevier) v. 1 (1998) - current issue

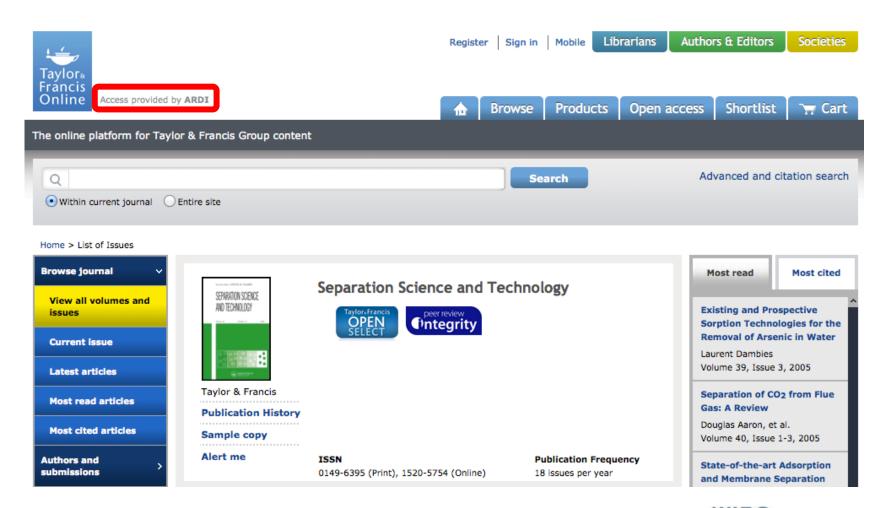
Separations Technology (Elsevier) v. 5 (1995) - v. 6 (1996)

Serials Review (Elsevier) v. 21 (1995) - current issue

Serodiagnosis and Immunotherapy in Infectious Disease (Elsevier) v. 7 (1995) - v. 8:40606 (1997)

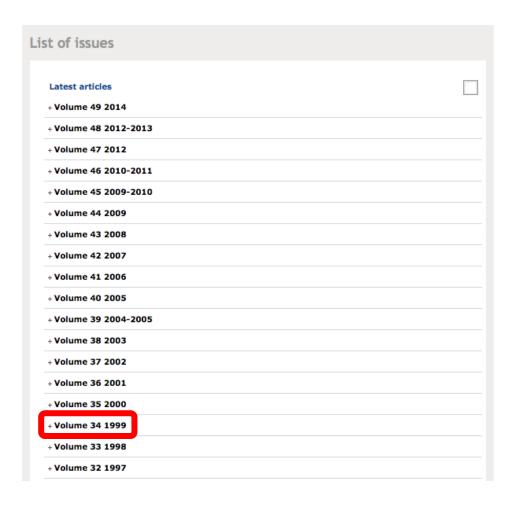
Service Science and Management Research (Science and Engineering Publishing Company) v. 1 (2012) - current issue

Journal homepage



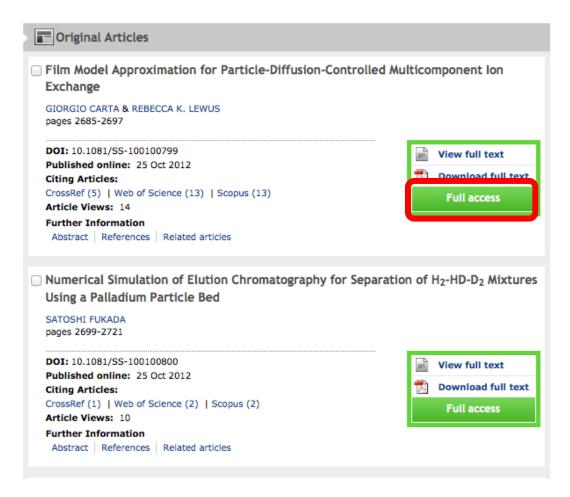


Journal homepage





Article list





Article list

Comparison of Novel and Patented Silica-Polyamine Composite Materials as Aqueous Heavy Metal Ion Recovery Materials

SUSAN T. BEATTY, ROBERT J. FISCHER, EDWARD ROSENBERG & DAVID PANG pages 2723-2739

DOI: 10.1081/SS-100100801

Published online: 25 Oct 2012

Citing Articles:

CrossRef (10) | Web of Science (15) | Scopus (18)

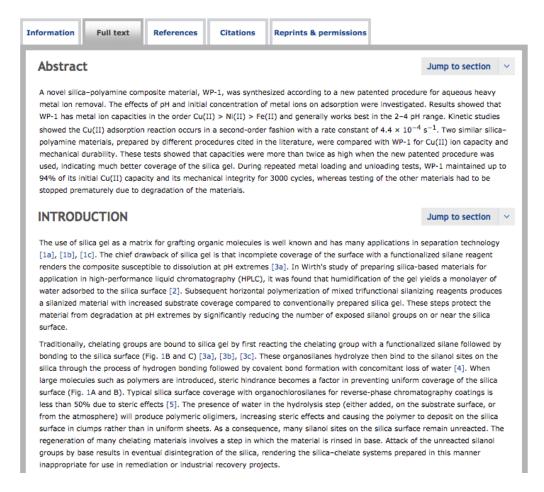
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Article: Image

Comparison of Novel and Patented Silica-Polyamine Composite Materials as Aqueous Heavy Metal Ion Recovery Materials

SUSAN T. BEATTY, ROBERT J. FISCHER, and EDWARD ROSENBERG*

DEPARTMENT OF CHEMISTRY
THE UNIVERSITY OF MONTANA
MISSOULA, MONTANA 59812, USA

DAVID PANG

PURITY SYSTEMS INC. 3116 OLD POND ROAD, MISSOULA, MONTANA 59802, USA

ABSTRACT

A novel silica–polyamine composite material, WP-1, was synthesized according to a new patented procedure for aqueous heavy metal ion removal. The effects of pH and initial concentration of metal ions on adsorption were investigated. Results showed that WP-1 has metal ion capacities in the order Cu(II) > Ni(II) > Fe(II) and generally works best in the 2–4 pH range. Kinetic studies showed the Cu(II) adsorption reaction occurs in a second-order fashion with a rate constant of $4.4 \times 10^{-4} \, \text{s}^{-1}$. Two similar silica–polyamine materials, prepared by different procedures cited in the literature, were compared with WP-1 for Cu(II) ion capacity and mechanical durability. These tests showed that capacities were more than twice as high when the new patented procedure was used, indicating much better coverage of the silica gel. During repeated metal loading and unloading tests, WP-1 maintained up to 94% of its initial Cu(II) capacity and its mechanical integrity for 3000 cycles, whereas testing of the other materials had to be stopped prematurely due to degradation of the materials.

INTRODUCTION

The use of silica gel as a matrix for grafting organic molecules is well known and has many applications in separation technology (1). The chief



Troubleshooting

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- Is the journal available through ARDI (for the publication period you are accessing)?



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