

Customising Location of Knowledge



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MIMAS, The University of Manchester,
UK

MIMAS

Outline

- Supporting scholarly research
- Overview of finding articles using Zetoc and OpenURL linking
- Institution customisation
- Personal customisation
- Current awareness personalisation
- Evolving research process

Scholarly Research Process

- Research paradigm:
 - Discover
 - Locate
 - Request
 - Delivery
 - Alert / PublishSubscribe
- Selection of services available
 - Institution library customisation
 - Personal customisation

Zetoc

- Current awareness bibliographic citation service
- Articles & papers – every subject
- Based on The British Library's Electronic Table of Contents data
- Free to UK HE/FE; others by subscription
- Funded by JISC, data owned by BL

Using Zetoc

- Search via Web interface
- Email Alert
 - Table of Contents of new issues
 - Saved search: title keywords or author
 - RSS for journal issues
- Z39.50 for m2m information retrieval
 - Metasearch
 - Personal Bibliographic Databases

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Address <http://zetoc.mimas.ac.uk/wzgw?so=reverse+date%2F-date&fs=+1+&rsn=1&esn=b&rn=1&nr=17&settags=1&id=20930015> Go Link

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Zetoc Full Records

Search terms: [general: "noakes c j"](#) (sorted on [reverse date](#) [Re-sort](#)).

Displaying record 1 of 17.

1. ☐ Author(s): Noakes, C. J.; Sleight, P. A.; Escombe, A. R.; Beggs, C. B.
Article Title: Use of CFD Analysis in Modifying a TB Ward in Lima, Peru

Journal Title: INDOOR AND BUILT ENVIRONMENT
ISSN: 1420-326X
Year: 2006
Volume/Issue: VOL 15; ISSU 1
Page(s): 41-48
Publication frequency: Bi-monthly: 5-8 issues per year

Publisher: Switzerland : Sage
Language: English
Dewey Class: 616.98
LC Class: DS611
BLDSC shelfmark: 4438.046800

ZETOC ID: RN192496505

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Title: Use of CFD Analysis in Modifying a TB Ward in Lima, Peru
Source: Indoor + built environment [1420-326X] Noakes yr:2006 vol:15 iss:1 pg:41 -48

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Web Search

Search for related information using [Google Scholar](#)

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Link to Appropriate Copy

- Link to copy for which user has valid subscription
- Zetoc generates OpenURL link (Z39.88)
- User's institution runs OpenURL resolver: Knowledgebase:
 - Institution subscriptions
 - Where articles available
 - How to link to target e-journal sites

Link Customisation

- Institution known from Zetoc Authentication
- Institution registers with Zetoc:
 - Address of OpenURL Resolver
 - Link text
 - Image button
- Enhance users' discovery experience
 - Consistent links within resources
 - Institution branding

Resolver Registries

- UK OpenURL Router
- OCLC OpenURL Resolver Registry
- Institutions register resolver once
- Useful for free services
- Keep internal registries up-to-date
- Can register Router address with Zetoc
- Issues: global identification of organisations and resolvers

Personal Customisation

- For majority institution customisation is OK, but...
- User's institution has no resolver
 - Zetoc default page is minimal
 - User may have a resolver available
- User may have several resolvers
- User visiting another institution
 - Prefers 'home' resolver

COinS: ContextObject in Span

- Latent OpenURL hidden in web page
- Encoded in (X)HTML element
- OpenURL ContextObject
 - Details of a reference
 - The 'payload' of an OpenURL
 - Standard interoperable metadata
- Activate by resolver address prefix

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Search terms: [general: alzheimer](#) (unsorted).
Displaying record 7 of 7291.

7. ☐ Author(s): Xie, S.; Xiao, J. X.; Gong, G. L.; Zang, Y. F.; Wang, Y.
Article Title: Voxel-based detection of white matter abnormalities i

Journal Title: NEUROLOGY -MINNEAPOLIS-
ISSN: 0028-3878
Year: 2006
Volume/Issue: VOL 66; NUMB 12
Page(s): 1845-1849
Publication frequency: Fortnightly: 15-30 issues per year


Publisher: United States : Lippincott Williams and Wilkins; 1999
Date published: 20060627
Language: English
Dewey Class: 616.8
LC Class: RC321
BLDSC shelfmark: 6081.500000


ZETOC ID: RN190555225




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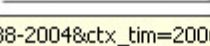
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 Page(s): 1845-1849
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 BLDSC shelfmark: 6081.500000

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6. [\[Tag record\]](#)

Title Details: [News letter](#) : fly BMAA, fly microlight aircraft

Publisher: Deddington : BMAA Office, 1986-

Physical desc.: v : ill ; 21 cm

Note: Six issues yearly

Subject: [Ultralight aircraft - Periodicals](#)

Other Names: [British Microlight Aircraft Association](#)


Document Type: Periodical

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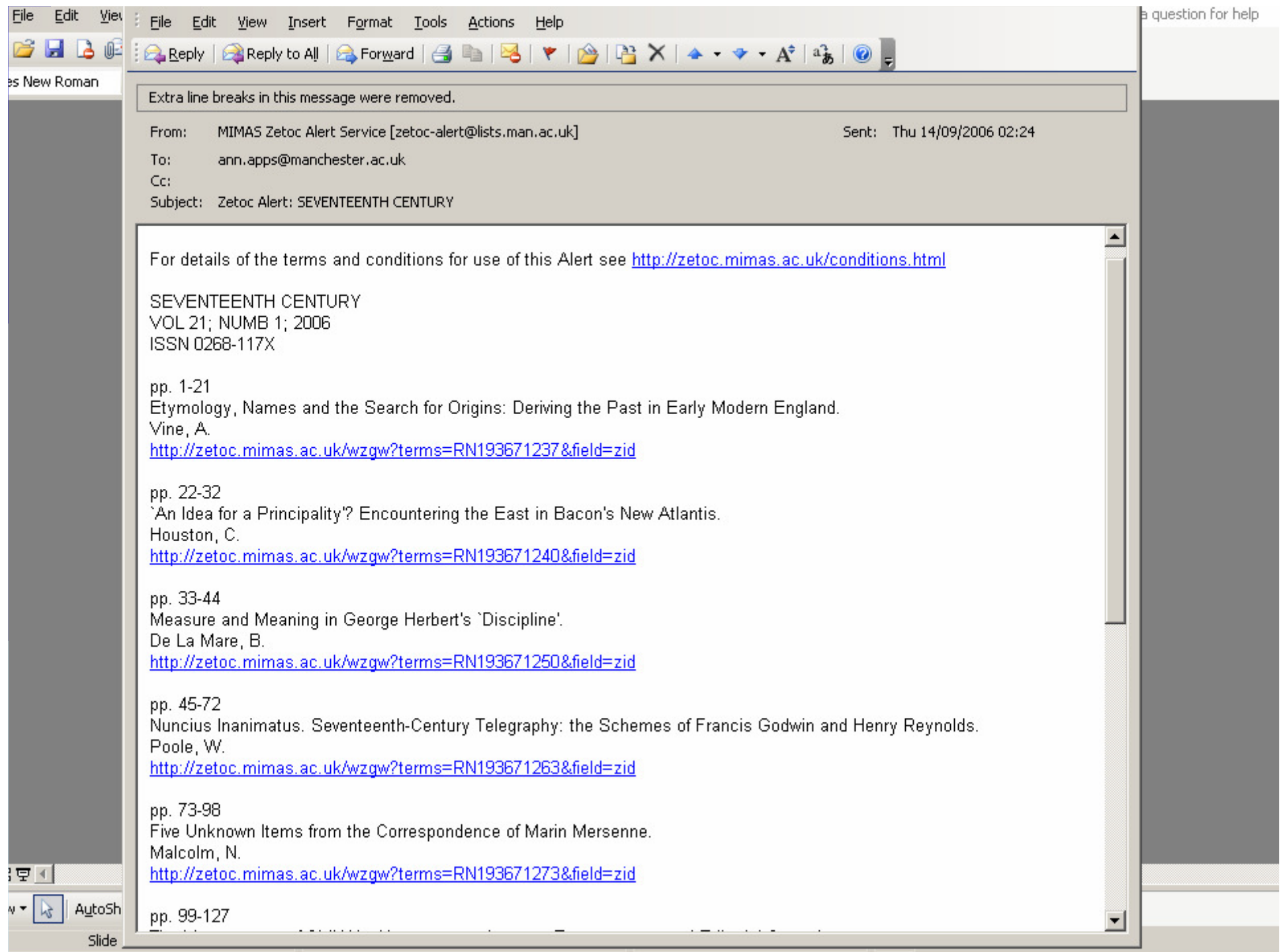
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[The advantages of pumping greenhouse gas into greenhouses](#)
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[Relativistic ejecta from X-ray flash XRF 060218 and the rate of cosmic explosions](#)
Soderberg, A. M.; Kulkarni, S. R.; Nakar, E.; Berger, E.; Cameron, P. B.; Fox, D. B.; Frail, D.; Gal-Yam, A.; Sari, R.; Cenko, S. B.;
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[A neutron-star-driven X-ray flash associated with supernova SN 2006aj](#)
Mazzali, P. A.; Deng, J.; Nomoto, K.; Sauer, D. N.; Pian, E.; Tominaga, N.; Tanaka, M.; Maeda, K.; Filippenko, A. V.;
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[Optical detection of liquid-state NMR](#)
Savukov, I. M.; Lee, S.-K.; Romalis, M. V.;
NATURE -LONDON- VOL 442; ISSU 7106 pp. 1021-1024

[Controls on tropical Pacific Ocean productivity revealed through nutrient stress diagnostics](#)
Behrenfeld, M. J.; Worthington, K.; Sherrell, R. M.; Chavez, F. P.; Strutton, P.; McPhaden, M.; Shea, D. M.;
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[Discovery of a magma chamber and faults beneath a Mid-Atlantic Ridge hydrothermal field](#)


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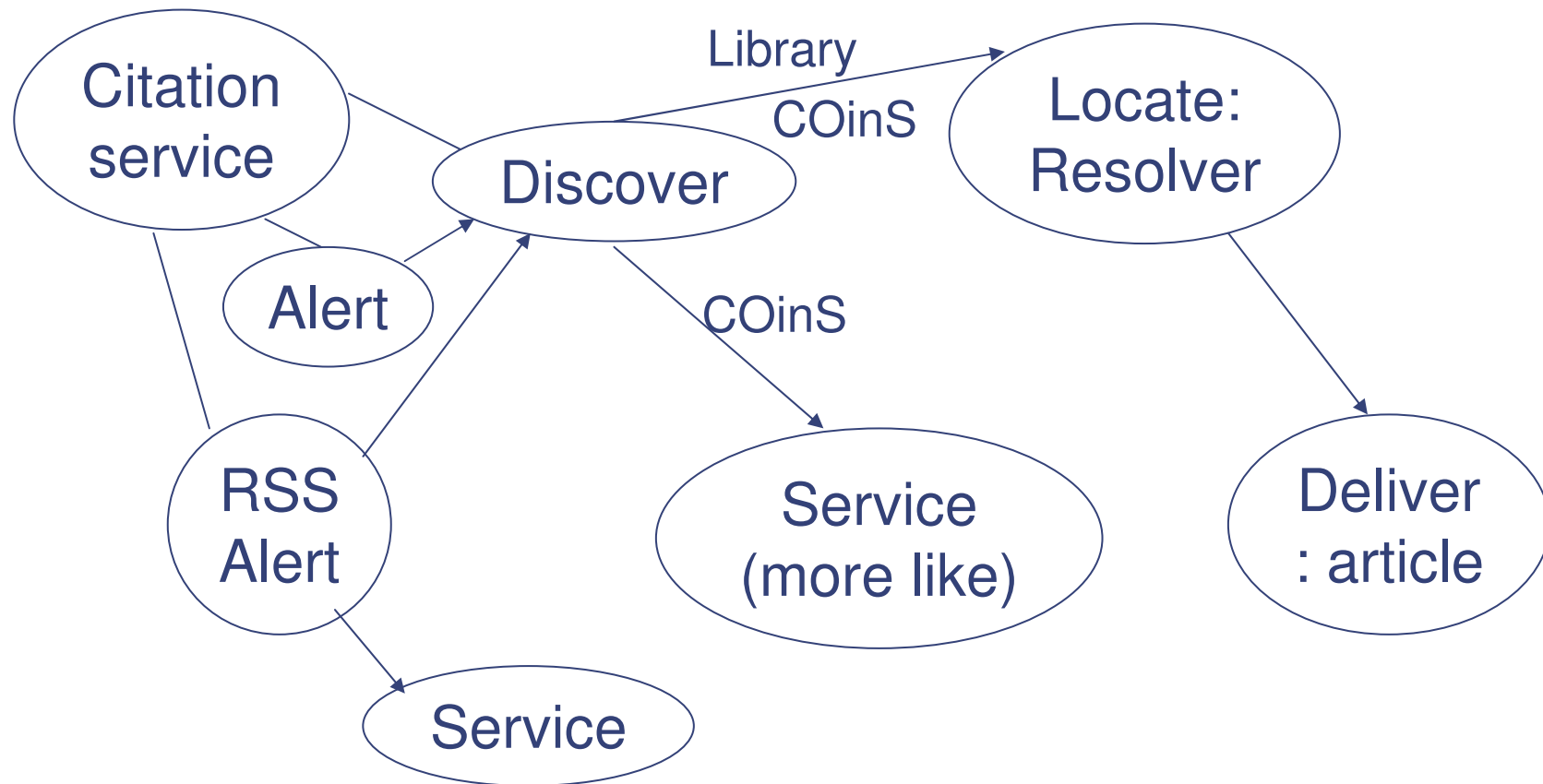
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  <link>http://zetoc.mimas.ac.uk/wzgw?terms=RN193524690&field=zid</link>

```

Done Internet

Service oriented research



Personalised Research Workflow

- Chudnov: “Change from resolver rules and service pre-coordination by libraries, to enabling dynamic post-coordination of services by a user”
- Miller: “Applications should work for the user rather than forcing us to conform to the paths laid out for us”
- Social bookmarking, e.g. Connotea

Future Research Scenario

- Majority happy with institution provision
 - Institutions keen to customise resources
- Researchers can choreograph their own research workflow
- Discovery services throwing citations as interoperable components
- May be caught by unknown downstream serendipitous services



Thank You!

Questions?

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