Bringing Collections to Users: Providing Discovery and Access Beyond Traditional Library Tools

Michael Levine-Clark

ALIA Information Online
Sydney
14 February, 2019
Discovery and Access: Frustrating and Confusing

• Unclear pathways to licensed content from library discovery systems
• Access to licensed content found on the web relies on the user knowing how to authenticate
• Publisher and vendor websites provide varying user experiences
A Pilot with Anywhere Access

• Fewer dead ends
  • Subscription
  • OA
  • On-Demand
  • ILL

• One-click access

• Common user experience across all platforms
Dystopia
Belchi, Isabel

Online Access Available
View Issue Contents in Browzine

Access via: IEEE/JST Electronic Library (JEL)
Available from 1999 Volume: 1 Issue: 1
Public notes: DU

Access via: IEEE/JST Electronic Library (JEL) Journals
Available from 1999 Volume: 1 Issue: 1
Public notes: DU

Additional services
Law Library - Request for Interlibrary Loan
Main Campus - Request for Interlibrary Loan
Report a Problem
Dystopia

1 Author(s) Isabel Beichl View All Authors

Abstract:
What constitutes a well-rounded education today? In some institutions, computing's increasing dominance in our daily lives goes seemingly unnoticed.


Page(s): 4 - 4

Date of Publication: 09 November 2010

DOI: 10.1109/MCSE.2010.129

Publisher: IEEE

Sponsored by: IEEE Computer Society
Dystopia

By Isabel Beichl, Editor in Chief

As I noted in my last column, for several of the past 10 years, I’ve helped to organize and manage an undergraduate summer program sponsored by the laboratory where I work. Anyone who has acted as a mentor in such a program will tell you it takes a lot of effort (“Skateboarding in the halls is strictly forbidden!”), but those efforts are rewarded in the joy of work-

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Dystopia

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One side effect of my involvement is that I get a glimpse into the evolution of undergraduate sciences and engineering education. In some areas, things are changing more rapidly than I’d guessed; in other areas, change isn’t nearly fast enough. Both trends are mostly healthy. In this imperfect world, however, there is (as usual) some cause for worry.

On the too-fast side, there are now majors in topics such as gaming and Web design. These topics are, in my humble opinion, well worth learning something about—and might even provide a way to earn a living—but in and of themselves surely don’t constitute an education. On the too-slow side, I was slightly dismayed to discover that some mathematics majors at first-rate universities can graduate without having taken a course in computing.

The author Gary Shteyngart, in his beautiful recent novel Super Sad True Love Story, imagines a dystopian near-future in which the world is much more digitally connected than our world today. In Shteyngart’s world, you
Dystopia
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On the too-fast side, there are now majors in topics such as gaming and Web design. These topics are, in my humble opinion, well worth learning something about—and might even provide a way to earn a living—but in and of themselves surely don’t constitute an education. On the too-slow side, I was slightly dismayed to discover that some mathematics majors at first-rate universities can graduate without having taken a course in computing, heavily used by some mathematicians working in fields that were traditionally called “pure,” including algebraic topology, study of groups, and graph theory. Crucially, these applications aren’t based on symbolic computing (which is also widely used), but rather on use of data structures and combinatorial algorithms to test out conjectures and construct examples as an aid to proposing and proving theorems. To do this effectively and productively, researchers must have a fairly deep understanding of data structures and computational complexity's practical meaning. The investigations can't be carried out merely by running an existing script on Mathematica, Matlab, R, and so on. Often, they must build things from the ground up. Doing so requires a solid background in computing.

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American Institute of Physics
Dystopia

1 Author(s)  Isabel Beichl  View All Authors

836  Full Text Views

Abstract:
What constitutes a well-educated student today?
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<td>S D MacFarlane et al.</td>
<td>H O Beebe</td>
<td>Progress in chronic mesenteric arterial ischemia</td>
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<td>Cross-flow microfiltration applied to oenology</td>
<td>Journal of Membrane Science</td>
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Browser extensions can make the process of getting to scholarly content easier

• These rely on the user to set up software, but once that’s done the process is seamless
• Some of these tools provide added value
  • Ability to save a library
  • Enhanced reading experience
• Unified experience across platforms
• Does having to install something once serve as a barrier?
• Does having to install something make usage more likely?
Anywhere Access
Connect with your library

Hi Michael, connect Kopernio with your library subscriptions to continue enjoying one-click PDF access off campus.

You only have to do this once. Your credentials will be encrypted and stored safely in your browser.

Remind me later  Connect
MALDI mass spectrometry imaging reveals specific localization of long-chain acylcarnitines in a 10-day time window of spinal cord injury.


Abstract

For the first time, the detection and specific localization of long-chain acylcarnitines (LC ACs) along the lesion margins in an experimental model of spinal cord injury (SCI) using 3D mass spectrometry imaging (MSI). Acylcarnitines palmitoylcarnitine (AC(16:0)), 2-hydroxyoctanoylcarnitine (AC(16:1)), elaidic carnitine (AC(18:1)) and tetradecanoylcarnitine (AC(14:1)) were detected as early as 3 days post-injury, and were present along the lesion margins 7 and 10 days after SCI induced by balloon compression technique in the rat. 3D MSI enabled the heterogeneous distribution of these lipids across the injured spinal cord, appearing well-defined at the lesion margins rostral to lesion center, and becoming widespread and less confined to the margins at the region located caudally. The assigned acylcarnitines colocalize with resident microglia/macrophages detected along the lesion margins by immunofluorescence. Given the reported pro-inflammatoryity of these acylcarnitines, their specific spatial localization along the lesion margin could hint at their potential pathophysiological roles in progression of SCI.

DOI: 10.1038/s41598-018-34518-0

Unpaywall
What is Anywhere Access?

- Software that connects readers to Subscription, OA, and On-Demand journal articles.
- One-click access
- Works with existing library & IT software: knowledgebase, EZproxy, SSO
- Works on/off campus and on mobile
- Works with ReadCube
ReadCube at the University of Denver

• In use since May 2014 for some Nature titles
  • 1,282 article purchases or rentals to date
  • Average cost of about $5.00 per article

• Existing user base
  • 801 registered users with a du.edu email
  • Likely many more with personal email accounts
How does it work?

1. Sync Knowledgebase
   - Alma, Serials Solutions, EBSCO, and more.
   - Automatic Updates

2. Single Sign-On (SSO)
   - Shibboleth, CAS, OAuth, LDAP, SAML
   - Enables authentication across multiple discovery services and publisher websites.

3. EZProxy Integration
   - Other IP Authentication options available
Unmediated Document Delivery
User Experience

- Free first page previews
- Instant delivery
- Purchase billed to library
Librarian Dashboard

- Integrated holdings prevents purchasing subscribed content
- Ability to enable by publisher, journal
- Ability to enable by tiers of access (PDF, Rental, Read-only versions)
- Integrates with existing link resolver when not available (e.g. ILL workflow)
Enhanced Usage Data

- Capture usage for OA, Subscription and On-Demand purchases centrally

- Analyze usage based on:
  - # times PDF is opened
  - Pages read
  - Time spent reading

- Usage data integrated into COUNTER reports
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Knowledgebase Monitoring

- Track failed downloads in real-time
- Exceptions are logged in Library Dashboard, with email alerts.
- Improve knowledgebase accuracy over time.

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Vapor-based synthesis of bilayer anti-corrosion polymer coatings with excellent barrier property and superhydrophobicity

Authors
Ying Chen, Yumin Wei, Zhong-Wei Chen

Abstract
Bilayer polymer coatings that consisted of a highly cross-linked polyethylene glycol diacrylate (PEGDA) bottom layer and nanostructured poly(perfluorodecyl acrylate-coethylene glycol diacrylate) (PFPDA-co-RGDA) top layer were synthesized via a single-step vapor deposition method. The vapor-synthesized PEGDA single-layer film exhibits excellent barrier performance with oxygen permeability of 0.0066 Barrer, which is more than 16-fold smaller than that of commercial PET packaging film. The PFPDA-co-RGDA layer, grown on top of PEGDA, shows conical array structure. Such nanostructure combined with the low surface energy of PFPDA melity enables superhydrophobicity of the coating with water contact angle of 159°. The achieved superhydrophobicity is stable over more than 168 h upon immersion in NaCl solution. The bilayer coating structure imparts a synergistic effect to minimize both the diffusion of water and ions and permeation of oxygen, resulting in a significant drop of corrosion rate to $2.90 \times 10^{-7}$ mm year$^{-1}$, a more than 10$^4$-fold decrease compared to bare copper.

Electronic supplementary material
Genome editing: CRISPR controls gene expression
Peer Reviewed
Full text available
Add to Library
View PDF

CRISPR controls gene expression
Anonymous
CRISPR expression mediates all steps of chromatin modification and further away the... regulate gene expression. To target the epigenome, Timothy Reddy and Charles W
Peer Reviewed
Full text available

CRISPR-Cas9 Based Engineering of Actinomycetal Genomes
Tong, Yaqun; Choua, Pep; Zhang, Lixun; Weber, Timmann, Lio; Wang, Yup
ACS synthetic biology, 15 September 2015, Vol.10(9), p.1029-9
Peer Reviewed
Questions?

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