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Technology trends in the UK academic libraries: tools, techniques and best practices

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Technology trends in the UK academic libraries: tools, techniques and best practices

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Library Systems Manager
University of West London, UK*



**PLC, IFLA and SLA International Conference
A journey from UN MDGs to SDGs: proactive role
of the librarians; University of Karachi, Pakistan 2-4 Aug. 2018**

Objectives

- Technology products
- Emerging trends
- Best practices
- The way-forward



Technology products

- Library Services Platforms (LSP)
- Reading lists
- Repositories
- Linked-data products
- Current Research Information Systems
- Virtual learning environment
- Discovery services (Google-styled single search engine)
- Data enrichments
- Enquiry services

LSP trend

- **Features of LSP**
 - Management of print and e-resources in one platform
 - More integrated workflows
 - Cloud-based
 - Analytics
 - Interoperability

Source: Library management system to library services platform. Resource management for libraries: a new perspective. HELibTech Briefing paper. Ken Chad HELibTech August 2015. DOI: 10.13140/RG.2.1.4315.3128

LSP trend

University (more detail in the "Decisions.." section below)	New system Vendor	Date selected (approx)	Old system vendor	Notes
Arts University Bournemouth	PTFS (Koha)	July 2018		
Chester	Innovative Interfaces	Feb2018	Innovative	Upgrade to cloud hosted Sierra from Millennium
Wolverhampton	ExLibris	Feb 2018	Capita	LSP, Discovery and Reading Lists solution ((Leganto)
Bristol	OCLC	Feb2018	ExLibris	
UCL (university College London)	ExLibris	Jan2018	ExLibris	upgraded from Aleph to Alma-no tender
Oxford Brookes	OCLC	Dec 2017	Capita	
Southampton Solent	ExLibris	Dec 2017	ExLibris	Upgrade from Aleph to Alma (no tender)
Robert Gordon	ExLibris	Dec2017	SirsiDynix	The contract was concluded as part of the Scottish Confederation of University and Research Libraries (SCURL) and Advanced Procurement for Universities and Colleges (APUC) framework
University of Law	ExLibris	Dec 2017	ExLibris	Moved form ExLibris Voyager via tender process
Birmingham	ExLibris	Nov 2017	ExLibris	upgrade form Aleph to Alma (no tender process)
Richmond, The American International University	PTFS-Europe	April 2017	ExLibris (Voyager)	
Loughborough University	PTFS (Koha/Coral)	April 2017	ExLibris Aleph	Koha library system and Coral ERM
Pearson College London	SirsiDynix	March 2017	n/a	
University of Buckingham	SirsiDynix	March 2017	SirsiDynix	
University of Central Lancashire (UCLan)	Ex Libris (Alma)	December 2016	Capita (Alto)	
The Royal Conservatoire of Scotland	PTFS-Europe (Koha)	March 2017	Capita (Alto)	
Glasgow Caledonian University	Ex Libris (Alma)	December 2016	SirsiDynix	Also selected Leganto resource list / reading list system
Liverpool John Moores University	Ex Libris (Alma)	December 2016	Ex Libris Aleph	
University of Huddersfield	Ex Libris (Alma)	December 2016	SirsiDynix (Horizon)	
University of Kent	SirsiDynix	December	Ex Libris	Part of shared system: Universities of Kent, Greenwich and Canterbury Christchurch.

Source: <http://helibtech.com/Procurements>

LSP trend

Market shares

Vendors of Library Management Systems (LMS/ILS) and Library Services platforms. Updated September 2017
(Derived from data on the "who uses what system" ([Systems review](#)) page of HELibTech)

ILS/LMS/LSP Vendor	No. Installs/customers	2017 % market share (of 180 total)	2016 Market share	2008 Market share
ExLibris	60	33	31	23
Innovative Interfaces	33	18	18	18
SirsiDynix	33	18	20	23
Capita	26	14	17	23
ISOxford	6	3	3	3
PTFS	7	4	2	0
OCLC	4	2	2	2
Infor	3	2	2	2
Kuali	1	1	1	0
Softlink	1	1	1	
unknown	6	*	*	*

Source: <http://helibtech.com/Procurements>

Linked-data product: Altmetrics

Altmetric Details Page

Variation in referral and access to new psychological therapy services by age: an empirical quantitative study

138

? About this Attention Score

In the top 5% of all research outputs scored by Altmetric

MORE...

Mentioned by

- 13 news outlets
- 1 blog
- 32 tweeters

Title Variation in referral and access to new psychological therapy services by age: an empirical quantitative study

Published in British Journal of General Practice, June 2017

DOI 10.3399/bjgp17x691361

Pubmed ID 28583944

Authors Sophie Pettit, Adam Qureshi, William Lee, Alex Stirzaker, Alex Gibson, William Henley, Richard...
[show]

Abstract Older people with common mental health problems (CMHPs) are known to have reduced rates of... [show]

View on publisher site

Alert me about new mentions

TWITTER DEMOGRAPHICS

MENDELEY READERS

ATTENTION SCORE IN CONTEXT

The data shown below were collected from the profiles of **32** tweeters who shared this research output. [Click here to find out more about how the information was compiled.](#)

Linked-data product: Altmetrics

UNIVERSITY OF WEST LONDON
The Career University

EXPLORE THE ALTMETRIC DATABASE

Search for research outputs... FULL ALTMETRIC DATABASE OR MY INSTITUTION ONLY

+ ADVANCED SEARCH (1 FILTER ACTIVE)

Showing all research outputs from University of West London in department College of Nursing, Midwifery and Healthcare sorted by Altmetric Attention Score [RESET SEARCH](#)

Sort by: **Altmetric Attention Score**

Variation in referral and access to new psychological therapy services by age... Article in British Journal of General Practice , June 2017	epic3: National Evidence-Based Guidelines for Preventing Healthcare... Article in Journal of Hospital Infection , January 2014
Plasma total homocysteine status of vegetarians compared with omnivores: a... Article in British Journal of Nutrition , January 1970	Oxford Textbook of Nature and Public Health Book, January 2018

OVERVIEW

[ANALYZE THESE RESULTS](#)

Total mentions	1,641
Research outputs	290
Outputs with mentions	144
Sources of attention	12

EXPORT

Library resources discovery

The screenshot displays the University of West London Library website. At the top, there is a navigation bar with links for Library, Student Portal, Academic Schools, News & events, Jobs at UWL, Maps, and Contact us. The University of West London logo and name are on the left, and a search bar is on the right. Below this is a dark blue navigation menu with links for Home, Visit us, Students, Courses, International, Research, For business, Alumni, About us, and Clearing. A breadcrumb trail shows Home > Library. The main content area features a 'Library' heading and a 'Summon' search box with a search bar and an 'Advanced search' link. To the right is a circular 'Login' section with a 'My Library Account' button. At the bottom, there is a video player for 'Introducing the UWL Library' and a 'Have a question?' chat button with the text 'You can contact us using our online chat'. On the far right, there is a 'CUSTOMER SERVICE EXCELLENCE' logo with 'CSE' and a star icon.

Library | Student Portal | Academic Schools | News & events | Jobs at UWL | Maps | Contact us

UNIVERSITY OF WEST LONDON
The Career University

Home > Library

Library

Summon Catalogue e-Journals UWLRReadingLists UWL Repository Archives

Summon
Discover books, journal articles, e-resources and more with a single Google-like search

Enter search term(s) here

Advanced search

Login
Login to view your record, renew and reserve online

My Library Account

Introducing the UWL Library

Have a question?
You can contact us using our online chat

CUSTOMER SERVICE EXCELLENCE
CSE

Library resources discovery

Log In | My Account | My Lists | Inter Library Loan | |



Everything ▾ All Fields ▾ **Search** [Advanced Search](#)

Search the catalogue
[Inter Library Loans](#)

Tweets by [@Brunel_Librar](#)

Brunel Library
[@Brunel_Library](#)

Fire alarm testing
7am - 8am Wednesday 1/8/18

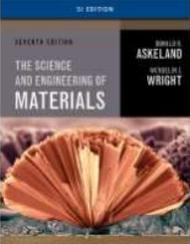
Expect noise disruption
2nd and 3rd floors of
Bannerman Centre



Jul 31, 2018

[Embed](#) [View on Twitter](#)

New books ▾



Title: The science and engineering of materials
Author: Askeland, Donald R., author.
Published: 2016
ISBN: 9781305077102

[Find In My Library](#)

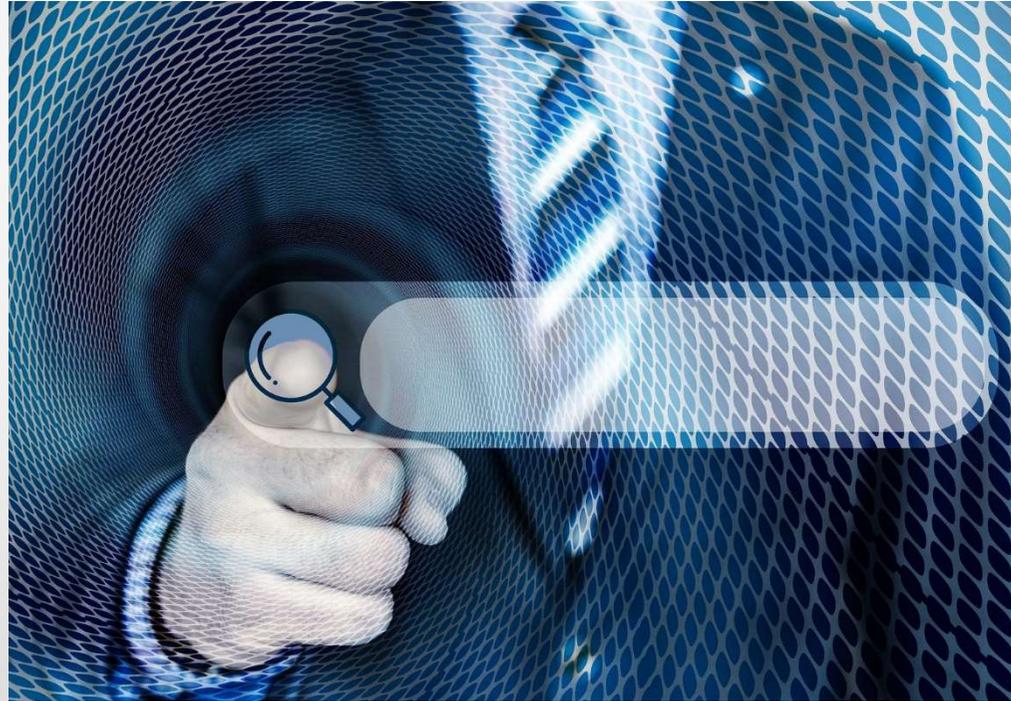


[Link to Library Databases A-Z](#)

Library resources discovery

Open Source discovery solutions

- VuFind
- Blacklight
- XC



Emerging trends

- Institutional and personal research profile
- Interoperability of systems
- User experience (UX)
- Impact assessment
- Data analytics
- Data dashboards
- Open source

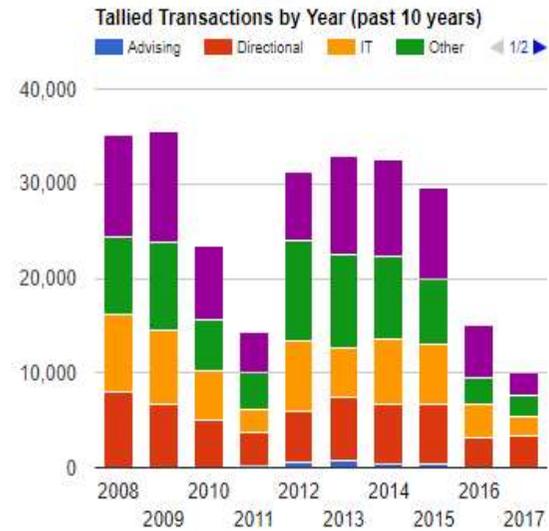
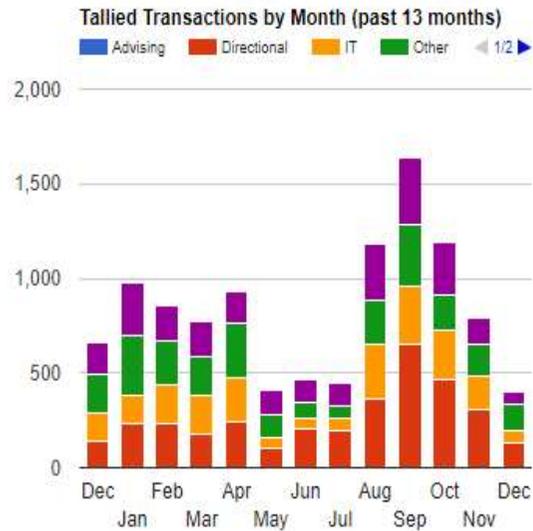


Library data dashboards

Library Transactions

COMPARATIVE VIEW

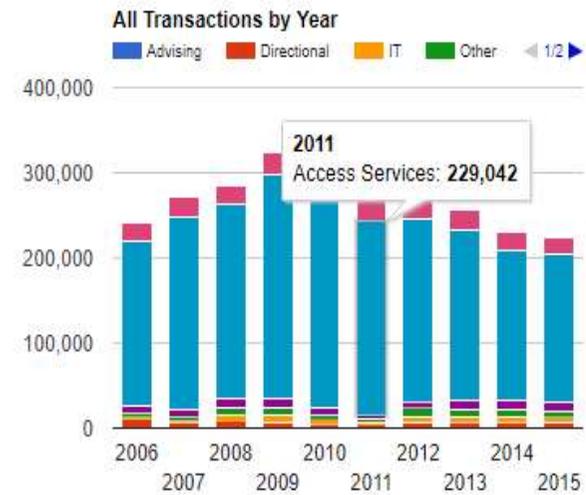
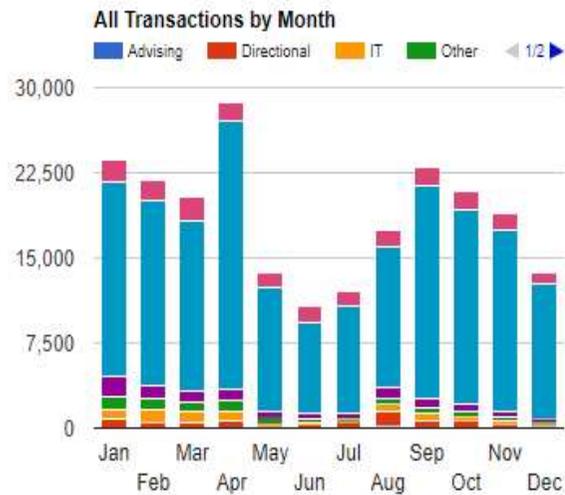
DETAILED VIEW



Library data dashboards

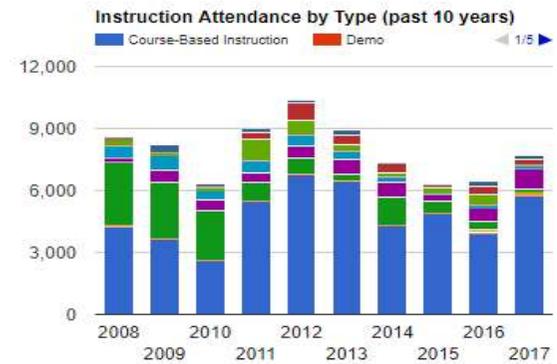
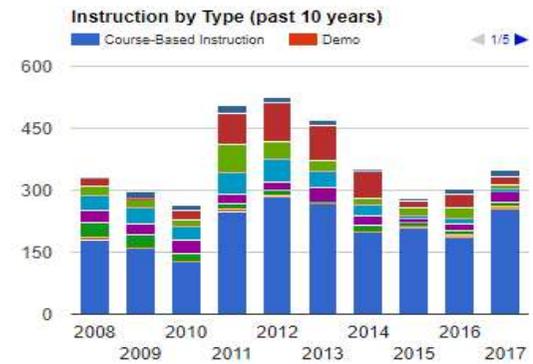
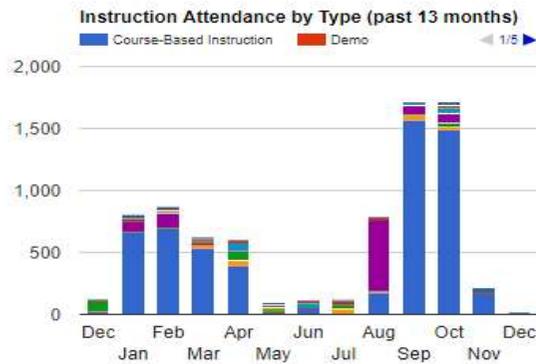
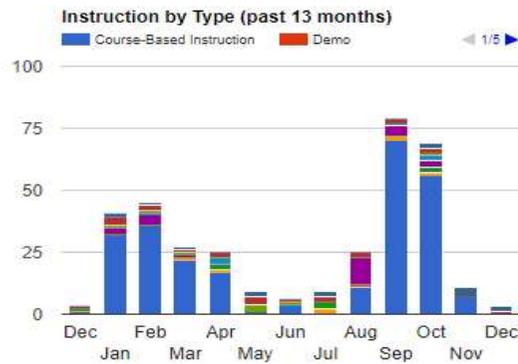
Library Statistics Dashboard: All Transactions Comparison

All Service Points



Library data dashboards

Library Instruction



User experience

Articulating value proposition and focusing on the qualitative outcomes

Don't just talk about library resources

Don't just talk about library technology

Don't just talk about library staff

Open access research data: Dimensions



[Support](#)
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FILTERS

▼ PUBLICATION YEAR

- 2018 2,563,297
- 2017 4,398,851
- 2016 4,151,571
- 2015 4,018,249
- 2014 3,874,101
- 2013 3,706,164
- 2012 3,446,508
- 2011 3,347,133
- 2010 2,936,594
- 2009 2,823,074

[More](#)

► RESEARCHER

► FIELDS OF RESEARCH

► PUBLICATION TYPE

► SOURCE TITLE

► JOURNAL LIST

▼ OPEN ACCESS

- Open Access - all 15,504,220
- Open Access - publisher 11,202,966
- Open Access - repository 4,153,195

PUBLICATIONS
96,051,048

Sort by: Publication Date ▼

Title, Author(s), Bibliographic reference - About the metrics

Detwinning through migration of twin boundaries in nanotwinned Cu films under in situ ion irradiation
Jinlong Du, Zaoming Wu, Engang Fu, Yanxiang Liang, Xingjun Wang, Peipei Wang, Kaiyuan Yu, Xiangdong Ding, Meimei Li, Mar...
2018, Science and Technology of Advanced Materials - Article

1

Electronic properties and surface reactivity of SrO-terminated SrTiO3 and SrO-terminated iron-doped SrTiO3
Aleksandar Staykov, Helena Tellez, John Druce, Ji Wu, Tatsumi Ishihara, John Kilner
2018, Science and Technology of Advanced Materials - Article

1 1

Photo-stability study of a solution-processed small molecule solar cell system: correlation between molecular conformation and degradation
Michael J. Newman, Emily M. Speller, Jérémy Barbé, Joel Luke, Meng Li, Zhe Li, Zhao-Kui Wang, Sagar M. Jain, Ji-Seon Kim, H...
2018, Science and Technology of Advanced Materials - Article

1

Tunable near-infrared epsilon-near-zero and plasmonic properties of Ag-ITO co-sputtered composite films
Chaonan Chen, Zhewei Wang, Ke Wu, Hui Ye
2018, Science and Technology of Advanced Materials - Article

1

Complementary evaluation of structure stability of perovskite oxides using bond-valence and density-functional-theory calculations
Ikuya Yamada, Akihiko Takamatsu, Hidekazu Ikeno
2018, Science and Technology of Advanced Materials - Article

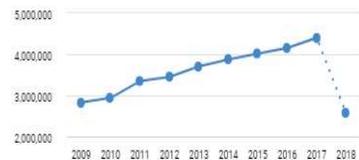
ANALYTICAL VIEWS

FIELDS OF RESEARCH

1103 Clinical Sciences	5,017,384
0601 Biochemistry and Cell Biology	2,849,696
1117 Public Health and Health Services	2,628,263
0306 Physical Chemistry (incl. Structural)	2,535,104
0912 Materials Engineering	2,223,197

OVERVIEW

RCR Mean: 0.75 FCR Mean: 1.32



► Publications

RESEARCHERS

Roman Gladyshevskii	7,886
Lviv University, Ukraine	
K Cenzual	7,706
University of Geneva, Switzerland	
Ch Wohlfarth	7,013
Martin Luther University Halle-Wittenberg, Germany	
Ivan Cibulka	6,055
University of Chemistry and Technology, Czechia	

Impact toolkits

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Practical Suggestions 13

Advocacy Planning 15

Success Stories 17

The way forward

- Developing community of practice
- Need-based research
- Active collaboration
- Objective horizon scanning
- Collation and analysis of the factual data



Thank you

Questions



References

- Georgia Tech library: Dashboards: online
<http://www.library.gatech.edu/dashboard/>
- University of West London library services: A-Z databases. Available online at: <http://uwl.libguides.com/az.php>
- Dimensions: <https://www.dimensions.ai/>
- Library management system to library services platform. Resource management for libraries: a new perspective. HELibTech Briefing paper. Ken Chad HELibTech August 2015. DOI: 10.13140/RG.2.1.4315.3128
- LSP trend: Available online at : <http://helibtech.com/Procurements>
- Community Knowledge Hub: Available online at:
<https://libraries.communityknowledgehub.org.uk/topic/measuring-impact-and-quality>