## CUCOLIS

## (CURRENT CONTENTS FOR LIBRARY

## AND INFORMATION SCIENCE)

Vol.17, No.4, July-August, 2020



Organized and Published by Advanced Information Network of Libraries in Gujarat C/o Sadvichar Parivar Near Ramdevnagar Bus Stop Satellite Road, Ahmedabad - 380 015 Phone : 26860730 Email: alibnet@gmail.com URL : www.alibnet.org

## PREFACE

CUCOLIS is especially for Indian **Library and Information Science Professionals** to enable them to update their professional skill and knowledge.

The latest articles published in the field of Library and Information Science in India and abroad gives information about what is new, so that active Indian Library and Information Professionals, DO NOT

- Miss various types of professional opportunities.
- Miss out on much needed information for professional development.
- Work unnecessarily, when LIS information is needed.
- Waste time, money & energy in searching for information.

ADINET helps the **readers of CUCOLIS to get full text**, of selected articles, on request, for their personal and research use.

Starting from May 2012 issue, about one hundred LIS Journals are covered. The subscription cost of these journals is over **sixty lakhs**. As usual this issue also contains a Key Word Index, which will help the readers to retrieve precise information.

We welcome suggestions and comments from our readers.

All members who have not renewed their personal and / or institutional membership of ADINET for financial year 2020-2021 are requested to do so. Please also renew your CUCOLIS subscription which is Rs. 2000/-

August, 2020 ADINET, Ahmedabad

INDEX

S.N.	Journal	Volume/Issue	Page
1	Cataloging & Classification Quarterly	Volume 58, 2020 Issue-5	4
2	Collection Management	Volume 45, 2020 Issue-3	4
3	College & Undergraduate Libraries	Volume 27, 2020 Issue-1	5
4	Data Technologies and Applications	Volume 54 Issue 4 & 3	5
6	Information and Learning Sciences	Volume 121 Issue 7/8 & 5/6	7
8	Journal of Documentation	Volume 76 Issue 5	11
9	Journal of Hospital Librarianship	Volume 20, 2020 Issue-2	12
10	Journal of Knowledge Management	Volume 24 Issue 6 & 5	13
11	Journal of Library Administration	Volume 60, 2020 Issue-6	15
12	Library Hi Tech News	Volume 37 Issue 6 & 5	16
13	Library Management	Volume 41 Issue 6/7 & 4/5	17
14	Medical Reference Services Quarterly	Volume 39, 2020 Issue-3	20
15	Online Information Review	Volume 44 Issue 5 & 4	21
17	Portal: Libraries and the Academy	Volume 20, Number 3, July 2020	23
16	Portal: Libraries and the Academy	Volume 20, Number 2, April 2020	24
18	Public Library Quarterly	Volume 39, 2020 Issue-4	25
19	Records Management Journal	Volume 30 Issue 2	26
20	Science & Technology Libraries	Volume 39, 2020 Issue-3	27
21	Technical Services Quarterly	Volume 37, 2020 Issue-3	28
22	The Bottom Line	Volume 33 Issue 3	29
23	The Electronic Library	Volume 38 Issue 3	30
24	The Information Society	Volume 36, 2020 Issue-4	32
25	Keywords		33-41

		Cataloging & Classification Quarterly
		Volume 58, 2020 Issue-5
1	Title :	The Use of Linked Data and Artificial Intelligence as Key Elements in the Transformation of Technical Services
	Author :	Philip E. Schreur
2	Title :	Creating and Using a Glacier Authority Index to Document Climate Change
	Author :	Erik Radio, Katie Fletcher & Athea Merredyth
3	Title :	Person Identifiers in MARC 21 Records in a Semantic Environment
	Author :	Liliana Giusti Serra, Jodi A. Schneider & José Eduardo Santarém Segundo
4	Title :	Perceived Usefulness as Correlate of Undergraduate Students' Patronage of Online Public Access Catalog in South-West Nigeria
	Author :	Oluwole Akanmu Odunola & Adeyinka Tella
		Collection Management
		Volume 45, 2020 Issue-3
5	Title :	Expanding Demand Driven Acquisition: Complete Just-In-Time Approval Plan
	Author :	Nackil Sung & Jan S. Sung
6	Title :	Hacking the Collection: Changing the Collection in Response to a Migration
	Author :	Sara Hills
7	Title :	Representation in the Collection: Assessing Coverage of LGBTQ Content in an Academic Library Collection
	Author :	Julia Proctor
8	Title :	Impact of the E-Journals of Academic Libraries Consortium on Research Productivity: An Iranian Consortium Experience
	Author :	Mansoureh Damerchiloo, Abbas Haghparast, Aboozar Ramezani, Vahideh Zeinali, Naser VazifeShenas & Behnaz Jafari
9	Title :	Exploring the Application of Information and Communication Technologies in the Acquisition of Information Resources in Three Academic Libraries in North-West Nigeria: Preliminary Findings
	Author :	Garba Dahiru, Olugbade Oladokun, Balulwami Grand & Athulang Mutshewa
10	Title :	Preservation Conservation and Use of Manuscripts in Aligarh Muslim University Library: A Case Study

	Author :	Abdul Baquee & M. Masoom Raza
		College & Undergraduate Libraries
		Volume 27, 2020 Issue-1
		Volume 27, 2020 1350C-1
11	Title :	A multi-campus usability testing study of the new Primo interface
	Author :	W. Jacobs, Mike DeMars & J. M. Kimmitt
12	Title :	The X-factor in academic libraries: the demand for soft skills in library employees
	Author :	Emy Nelson Decker
13	Title :	Educating, learning, and growing: A review of the teaching role in academic librarianship
	Author :	Rachael A. Lewitzky
14	Title :	Social media for the community college library
	Author :	Michael Rose
		Data Technologies and Applications
		Volume 54 Issue 4
15	Title :	Entity de duplication in big data graphs for scholarly communication
	Author :	Paolo Manghi, Claudio Atzori, Michele De Bonis, Alessia Bardi
	Keywords:	Deduplication, Information graphs, Big data, Scholarly communication, Scalability, Implementation
16	Title :	Explanatory Q&A recommendation algorithm in community question answering
	Author :	Ming Li, Ying Li, YingCheng Xu, Li Wang
	Keywords:	Q&A recommendation, Explanatory Q&A, Community question answering, Content-based recommendation, Knowledge management, Social media
17	Title :	Mutation reduction in software mutation testing using firefly optimization algorithm
	Author :	Nasrin Shomali, Bahman Arasteh
	Keywords:	Software testing, Mutation testing, Mutation reduction, Firefly optimization algorithm, Mutation score
18	Title :	Gift giving via social network services: the case of a WeChat mini-program used in China
	Author :	Chen Hao, Chen Hai-tao

24	Title : Author : Keywords:	A novel speech emotion recognition model using mean update of particle swarm and whale optimization-based deep belief network Rajasekhar B, Kamaraju M, Sumalatha V Emotion recognition, Deep belief network, Whale optimization algorithm, Styling, Gender recognition
24	Author :	A novel speech emotion recognition model using mean update of particle swarm and whale optimization-based deep belief network Rajasekhar B, Kamaraju M, Sumalatha V
24	Title :	A novel speech emotion recognition model using mean update of particle
		algorithm, Global search, Feature selection
	Keywords:	Metaheuristic algorithm, Single-solution algorithm, Population-based
	Author :	Najmeh Sadat Jaddi, Salwani Abdullah
23	Title :	Global search in single-solution-based metaheuristics
		mining, Ordinal/continuous data
	Keywords:	Data mining, Questionnaire, Software industry, Regression, Frequent item set
	Author :	Zirui Jia, Zengli Wang
22	Title :	A regression-based algorithm for frequent item sets mining
		Volume 54 Issue 3
		Data Technologies and Applications
	Keywords:	Data envelopment analysis, Subjective preference, Degree of orness, OWA aggregation, Ranking DMUs, Cross-efficiency
	Author :	Jolly Puri, Meenu Verma
21	Title :	Integrated data envelopment analysis and multicriteria decision-making ranking approach based on peer-evaluations and subjective preferences: case study in banking sector
	Keywords:	E-mail phishing, Optimization, Fractional concept, Deep learning, Spam mails, Earthworm optimization algorithm, Deep belief network, Bhattacharya distance
	Author :	mails Arshey M., Angel Viji K. S.
20	Title :	An optimization-based deep belief network for the detection of phishing e-
	Reywords.	LVRT, Doubly fed induction generators (DFIGs), Wind turbine, PV array, Maximum power point tracking, Whale optimization algorithm
	Author : Keywords:	Charanjeet Madan, Naresh Kumar
19	Title :	Enhancement of low voltage ride-through ability of the photovoltaic array aided by the MPPT algorithm connected with wind turbine
	Reywords.	We Chat mini-program
	Keywords:	Gift giving, Social network services (SNS), Theory of planned behavior (TPB),

	Author :	Deepesh Sharma, Naresh Kumar Yadav
	Keywords:	LFC, Lion algorithm (LA), Fractional order proportional integral (FOPI), Multi- source, Gain scheduling
26	Title :	Characterization of path loss model for wireless communication channel modelling
	Author :	Nandakishor Sirdeshpande, Vishwanath Udupi
	Keywords:	Wireless channel model, RMS delay spread, Tangential path loss model, Propagation channel
27	Title :	Distributed elephant herding optimization for grid-based privacy association rule mining
	Author :	Praveen Kumar Gopagoni, Mohan Rao S K
	Keywords:	Optimization, Association rule mining, Adaptive nature, Privacy rules, Apriori algorithm
28	Title :	Recognizing ragas of Carnatic genre using advanced intelligence: a
20	nue.	classification system for Indian music
	Author :	Balachandra Kumaraswamy, Poonacha P G
	Keywords:	Raga identification, Swara identification, NN, GWO, Learning algorithm
		Information and Learning Sciences
		Information and Learning Sciences           Volume 121 Issue 7/8
		Volume 121 Issue 7/8
29	Title :	Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses
29	Author :	Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses Matthew Duvall, Anthony Matranga, Jason Silverman
29		Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses
	Author : Keywords:	Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses Matthew Duvall, Anthony Matranga, Jason Silverman Social network analysis, Design, Scaffolding, Sociocultural, Online teaching, Knowledge building
29 30	Author : Keywords: Title :	Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses Matthew Duvall, Anthony Matranga, Jason Silverman Social network analysis, Design, Scaffolding, Sociocultural, Online teaching, Knowledge building Transforming online teaching and learning: towards learning design informed by information science and learning sciences
	Author : Keywords: Title : Author :	Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses Matthew Duvall, Anthony Matranga, Jason Silverman Social network analysis, Design, Scaffolding, Sociocultural, Online teaching, Knowledge building Transforming online teaching and learning: towards learning design informed by information science and learning sciences Nobuko Fujita
	Author : Keywords: Title :	Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses Matthew Duvall, Anthony Matranga, Jason Silverman Social network analysis, Design, Scaffolding, Sociocultural, Online teaching, Knowledge building Transforming online teaching and learning: towards learning design informed by information science and learning sciences
30	Author : Keywords: Title : Author : Keywords:	Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses Matthew Duvall, Anthony Matranga, Jason Silverman Social network analysis, Design, Scaffolding, Sociocultural, Online teaching, Knowledge building Transforming online teaching and learning: towards learning design informed by information science and learning sciences Nobuko Fujita Online learning, E-Learning, Higher education, Information science, Online teaching, Learning sciences, Learning design, Instructional design
	Author : Keywords: Title : Author : Keywords: Title :	Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses Matthew Duvall, Anthony Matranga, Jason Silverman Social network analysis, Design, Scaffolding, Sociocultural, Online teaching, Knowledge building Transforming online teaching and learning: towards learning design informed by information science and learning sciences Nobuko Fujita Online learning, E-Learning, Higher education, Information science, Online teaching, Learning sciences, Learning design, Instructional design Teaching with social media: evidence-based strategies for making remote higher education less remote
30	Author : Keywords: Title : Author : Keywords: Title : Author :	Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses Matthew Duvall, Anthony Matranga, Jason Silverman Social network analysis, Design, Scaffolding, Sociocultural, Online teaching, Knowledge building Transforming online teaching and learning: towards learning design informed by information science and learning sciences Nobuko Fujita Online learning, E-Learning, Higher education, Information science, Online teaching, Learning sciences, Learning design, Instructional design Teaching with social media: evidence-based strategies for making remote higher education less remote Christine Greenhow, Sarah Galvin
30	Author : Keywords: Title : Author : Keywords: Title :	Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses Matthew Duvall, Anthony Matranga, Jason Silverman Social network analysis, Design, Scaffolding, Sociocultural, Online teaching, Knowledge building Transforming online teaching and learning: towards learning design informed by information science and learning sciences Nobuko Fujita Online learning, E-Learning, Higher education, Information science, Online teaching, Learning sciences, Learning design, Instructional design Teaching with social media: evidence-based strategies for making remote higher education less remote
30	Author : Keywords: Title : Author : Keywords: Title : Author :	Volume 121 Issue 7/8 Designing for and facilitating knowledge-building discourse in online courses Matthew Duvall, Anthony Matranga, Jason Silverman Social network analysis, Design, Scaffolding, Sociocultural, Online teaching, Knowledge building Transforming online teaching and learning: towards learning design informed by information science and learning sciences Nobuko Fujita Online learning, E-Learning, Higher education, Information science, Online teaching, Learning sciences, Learning design, Instructional design Teaching with social media: evidence-based strategies for making remote higher education less remote Christine Greenhow, Sarah Galvin E-learning, Online learning, Remote education, Social media, Distance education, Higher education, Digital pedagogy, Higher education, Blended

32	Title :	When classroom interactions have to go online: the move to specifications grading in a project-based design course
	Author :	Rebecca Quintana, Chris Quintana
	Keywords:	Higher education, Project-based learning, Emergency remote teaching, Design education, Online and hybrid learning, Specifications grading
	<b>T</b> 4	
33	Title :	Increasing students' social engagement during COVID-19 with Net. Create: collaborative social network analysis to map historical pandemics during a pandemic
	Author :	Kalani Craig, Megan Humburg, Joshua A. Danish, Maksymilian Szostalo, Cindy E. Hmelo-Silver, Ann McCranie
	Keywords:	Engagement, Online learning, Network analysis, Representations, Covid-19, Computer-supported collaborative learning, History learning
34	Title :	Adapting guided inquiry learning worksheets for emergency remote learning
	Author :	Iris Howley
	Keywords:	STEM, Distance education, Computer science, Emergency remote teaching, Guided inquiry learning, Low-bandwidth learning materials, Computer science education, Collaborative learning, Inquiry learning, Teaching practice
35	Title :	Transferring interactive activities in large lectures from face-to-face to online settings
	Author :	Jennifer K. Olsen, Louis Faucon, Pierre Dillenbourg
	Keywords:	Higher education, Social presence, Distance learning, Classroom orchestration, Large lectures, Teacher dashboards
36	Title :	Designing for learning during collaborative projects online: tools and takeaways
	Author :	Sreecharan Sankaranarayanan, Siddharth Reddy Kandimalla, Mengxin Cao, Ignacio Maronna, Haokang An, Chris Bogart, R. Charles Murray, Michael Hilton, Majd Sakr, Carolyn Penstein Rosé
	Keywords:	Instructional design, Higher education, Software engineering, Computer- supported collaborative learning, Mob programming, Online collaborative Programming, Project-based online course
37	Title :	Collaborating in online teaching: inviting e-guests to facilitate learning in the digital environment
	Author :	Crystal Fulton
	Keywords:	Postgraduate, Online learning, Digital learning, Online teaching, E-guests, Synchronous learning
		Information and Learning Sciences
		Volume 121 Issue 5/6

38	Title :	Building a digitally enhanced community of practice	
	Author :	Jonan Phillip Donaldson	
	Keywords:	Community of practice, Design, Digitally mediated, Emergency transitions,	
		Online teaching, Remote online education	
39	Title :	Promoting interaction in online dictance education: designing implementing	
39	nue.	Promoting interaction in online distance education: designing, implementing and supporting collaborative learning	
	Author :	Sebastian Strauß, Nikol Rummel	
	Keywords:	Instructional design, Collaborative learning, Interaction, Distance education,	
		Online education, Computer-supported collaborative learning (CSCL)	
40	Title	Deading and connecting, using esciel expetation in coline classes	
40	Title :	Reading and connecting: using social annotation in online classes	
	Author :	Xinran Zhu, Bodong Chen, Rukmini Manasa Avadhanam, Hong Shui, Raymond Zhuo Zhang	
	Keywords:	Collaborative learning, Online learning, Collaborative reading, Social	
		annotation, Social reading, Web annotation	
41	Title :	gPortfolios: a pragmatic approach to online asynchronous assignments	
	Author :	Daniel Hickey, Jody Duncan, Courtney Gaylord, Christine	
		Hitchcock, Rebecca Chiyoko Itow, Shelby Elizabeth Stephens	
	Keywords:	Online learning, Google Docs, Coronavirus, Emergency remote teaching,	
		COVID 19, Expansive framing, Productive disciplinary engagement, Situated cognition, Social learning, Learning management systems	
42	Title :	Guidelines and tools for promoting digital equity	
	Author :	Stephen J. Aguilar	
	Keywords:	Survey, Digital divide, Equity, Instructional design, K12, Learning	
		technologies, Higher ed	
43	Title :	A research-based approach for evaluating resources for transitioning to	
40	Huo .	teaching online	
	Author :	Stephen J. Aguilar	
	Keywords:	Review, Higher education, Educational technologies, Online education, K12,	
		Learning technologies	
44	Title :	Emergency remote teaching environment: a conceptual framework for	
		responsive online teaching in crises	
	Author :	Clayton Whittle, Sonia Tiwari, Shulong Yan, Jeff Williams	
	Keywords:	Distance learning, Participatory design, Design research, Online instruction,	
		COVID, Formal learning, Learning framework	
45	Title :	Self-regulated learning in online learning environments: strategies for remote	
	1100	learning	
	Author :	Richard Allen Carter Jr, Mary Rice, Sohyun Yang, Haidee A. Jackson	

	Keywords:	Online learning, Teachers, Families, Self-regulated learning (SRL), Evidence- based practices, Online strategies, Emergency remote learning, K-12 online learning, Promising online practices, Learner control
46	Title :	DESIGN-ED: a pedagogical toolkit to support K-12 teachers' emergency transition to remote online education
	Author :	Paul Flynn
	Keywords:	Teacher education, Design thinking, K-12, Remote online education, Design- based research, Learning sciences
47	Title :	Social distancing meet social media: digital tools for connecting students, teachers, and citizens in an emergency
	Author :	Christine Greenhow, Amy Chapman
	Keywords:	Social media, Active learning, Community building, Distance education, K-12 education, COVID-19 pandemic, Civic participation
40	<b>T</b> :0.	Description in Relation of an end of the description of the
48	Title :	Promoting individual and group regulation through social connection: strategies for remote learning
	Author :	Stephanie MacMahon, Jack Leggett, Annemaree Carroll
	Keywords:	Strategies, Social connection, Learning regulation, Online collaboration, COVID-19, Remote learning
49	Title :	Supporting making online: the role of artifact, teacher and peer interactions in crafting electronic textiles
	Author :	Gayithri Jayathirtha, Deborah Fields, Yasmin B. Kafai, Joseph Chipps
	Keywords:	Secondary school, Online education, Electronic textiles, Maker education,
	Reywords.	Computer science education, Physical computing
50		Computer science education, Physical computing
50	Title :	Computer science education, Physical computing Maintaining rich dialogic interactions in the transition to synchronous online
50		Computer science education, Physical computing
50	Title :	Computer science education, Physical computing Maintaining rich dialogic interactions in the transition to synchronous online learning
	Title : Author : Keywords:	Computer science education, Physical computing Maintaining rich dialogic interactions in the transition to synchronous online learning Hyunyi Jung, Corey Brady Mathematics education, Instructional design, Design case, Dialogical interactions, Emergency transition, Synchronous online learning
50	Title : Author : Keywords: Title :	Computer science education, Physical computing Maintaining rich dialogic interactions in the transition to synchronous online learning Hyunyi Jung, Corey Brady Mathematics education, Instructional design, Design case, Dialogical interactions, Emergency transition, Synchronous online learning Q-Bot, the Quarantine Robot: Joint-media engagement between children and adults about quarantine living experiences
	Title : Author : Keywords:	Computer science education, Physical computing Maintaining rich dialogic interactions in the transition to synchronous online learning Hyunyi Jung, Corey Brady Mathematics education, Instructional design, Design case, Dialogical interactions, Emergency transition, Synchronous online learning Q-Bot, the Quarantine Robot: Joint-media engagement between children and
51	Title : Author : Keywords: Title : Author :	Computer science education, Physical computing Maintaining rich dialogic interactions in the transition to synchronous online learning Hyunyi Jung, Corey Brady Mathematics education, Instructional design, Design case, Dialogical interactions, Emergency transition, Synchronous online learning Q-Bot, the Quarantine Robot: Joint-media engagement between children and adults about quarantine living experiences Sonia Tiwari
	Title : Author : Keywords: Title : Author : Title :	Computer science education, Physical computing Maintaining rich dialogic interactions in the transition to synchronous online learning Hyunyi Jung, Corey Brady Mathematics education, Instructional design, Design case, Dialogical interactions, Emergency transition, Synchronous online learning Q-Bot, the Quarantine Robot: Joint-media engagement between children and adults about quarantine living experiences Sonia Tiwari
51	Title : Author : Keywords: Title : Author :	Computer science education, Physical computing Maintaining rich dialogic interactions in the transition to synchronous online learning Hyunyi Jung, Corey Brady Mathematics education, Instructional design, Design case, Dialogical interactions, Emergency transition, Synchronous online learning Q-Bot, the Quarantine Robot: Joint-media engagement between children and adults about quarantine living experiences Sonia Tiwari
51	Title : Author : Keywords: Title : Author : Title : Author :	Computer science education, Physical computing Maintaining rich dialogic interactions in the transition to synchronous online learning Hyunyi Jung, Corey Brady Mathematics education, Instructional design, Design case, Dialogical interactions, Emergency transition, Synchronous online learning Q-Bot, the Quarantine Robot: Joint-media engagement between children and adults about quarantine living experiences Sonia Tiwari Loss of brick-and-mortar schooling: how elementary educators respond Emma Anderson, Avneet Hira
51	Title : Author : Keywords: Title : Author : Title :	Computer science education, Physical computing Maintaining rich dialogic interactions in the transition to synchronous online learning Hyunyi Jung, Corey Brady Mathematics education, Instructional design, Design case, Dialogical interactions, Emergency transition, Synchronous online learning Q-Bot, the Quarantine Robot: Joint-media engagement between children and adults about quarantine living experiences Sonia Tiwari

54	Title :	Emergency remote teaching across urban and rural contexts: perspectives on educational equity
	Author :	Earl Aguliera, Bianca Nightengale-Lee
		Journal of Documentation
		Volume 76 Issue 5
55	Title :	Fighting fake news: exploring George Orwell's relationship to information literacy
	Author :	Ellen Haggar
	Keywords:	Information literacy, Information, News, Misinformation, Fake news, George Orwell
56	Title :	Reassessing the LIS approach to traditional knowledge: learning from Xochimilco, Mexico city
	Author :	Andrew M. Cox, Jorge Tiago Martins, Gibrán Rivera González
	Keywords:	Mexico, Indigenous knowledge, Traditional knowledge
57	Title :	Information and contemplation: a call for reflection and action
	Author :	Kiersten F. Latham, Jenna Hartel, Tim Gorichanaz
	Keywords:	Contemplation, Contemplative studies, Information science, Information behavior, Philosophy, Wisdom, Libraries, Museums
58	Title :	Sustainability of digital humanities projects as a publication and documentation challenge
	Author :	Jennifer Edmond, Francesca Morselli
	Keywords:	Digital humanities, Project documentation, Project management, Sustainable publishing models
59	Title :	Experiencing time in prison: the influence of books, libraries and reading
	Author :	Jane Garner
	Keywords:	Prison libraries, Reading, Time, Library usage, Reading motivation
60	Title :	Unbundling practice: the unbundling of big deal journal packages as an information practice
	Author :	Asen O. Ivanov, Catherine Anne Johnson, Samuel Cassady
	Keywords:	Academic libraries, E-journals, Big deal packages, Evaluation, Decision- making, Practice theory
61	Title :	The diffusion and influence of theoretical models of information behaviour. The case of Savolainen's ELIS model
	Author :	Aurora González-Teruel, Margarita Pérez-Pulido

	Keywords:	Research, User studies, Behaviour, Theory, Information studies, Models
62	Title :	On the problem of oppressive tastes in the public library
	Author :	E.E. Lawrence
	Keywords:	Readers' advisory, Diversity, Library ethics, Social justiced, Taste, Feminist aesthetics, Democracy
		Journal of Hospital Librarianship
		Volume 20, 2020 Issue-2
63	Title :	Elevating Literary Wellness: A Hospital Library Adds A Leisure Collection
	Author :	Kelsey Leonard Grabeel & Jennifer Luhrs
64	Title :	Mapping the Literature of Guillain–Barre Syndrome to Support Current Awareness among Neurologists
	Author :	Judy C. Stribling , Matthew S. Robbins & Antonio P. DeRosa
65	Title :	Creating an Online Presence for and Managing the Institutional Archive Using ArchivesSpace
	Author :	Michael Moseley , Lydia A. Howes , Geoffrey S. Pettys & Adam J. Roloff
66	Title :	Clinical Outreach: Stepping Out of the Library
	Author :	Timothy Kenny , Hannah Rutledge , Shawn Steidinger , Sarah L. Carnes & Helen-Ann Brown Epstein
67	Title :	Cigarettes to E-Cigarettes and Consequences of Vamping
	Author :	Helen-Ann Brown Epstein
68	Title :	Citation Management Software Raises Library Profile
	Author :	Caroline Marshall
69	Title :	Hospital Libraries – A Center for Institutional Problem-Solving and Solution Mediation
	Author :	Mary Pat Harnegie
70	Title :	E Pluribus Unum: Using Google Classroom to Bring Together a Statewide Student and Faculty Cohort
	Author :	Darra Ballance
71	Title :	Consider Yourself a Professional? Then Write!
	Author :	Carole M. Gilbert

		Journal of Knowledge Management
		Volume 24 Issue 6
72	Title :	The moderating role of trust and the theory of reasoned action
	Author :	Keith Yong Ngee Ng
	Keywords:	Competitiveness, Education, Knowledge sharing, Theory of reasoned action, Private education institutions, Trust in colleagues
73	Title :	Cognitive processes, rewards and online knowledge sharing behavior: the moderating effect of organisational innovation
	Author :	Tuyet-Mai Nguyen, Ashish Malik
	Keywords:	Intrinsic rewards, Public companies, Extrinsic rewards, Private companies, Online knowledge sharing
74	Title :	The digital transformation of SMEs – a new knowledge broker called the
/4	Hue.	digital innovation hub
	Author :	Antonio Crupi, Nicola Del Sarto, Alberto Di Minin, Gian Luca Gregori, Dominique Lepore, Luca Marinelli, Francesca Spigarelli
	Keywords:	Digital transformation, SMEs, Knowledge sharing, Knowledge brokers, Digital innovation hubs
75	Title :	The impact of social media use for communication and social exchange relationship on employee performance
	Author :	Xiayu Chen, Shaobo Wei
	Keywords:	Leader-member exchange, Social media, Employee performance, Horizontal communication, Team-member exchange, Vertical communication
70	<b>T</b> 141.	
76	Title :	Knowledge management: does gender matter? A systematic review of literature
	Author :	Peter Heisig, Selvi Kannan
	Keywords:	Knowledge sharing, Knowledge management, Gender, Systematic literature review
		Journal of Knowledge Management
		Volume 24 Issue 5
77	Title :	The potential link between corporate innovations and corporate competitiveness: evidence from IT firms in the UK
	Author :	Arun Sukumar, Vahid Jafari-Sadeghi, Alexeis Garcia-Perez, Dev K. Dutta
	Keywords:	Corporate innovations, Corporate competitiveness, IT firms, R&D activities, UK

Author :Leonardo Ensslin, Clarissa Carneiro Mussi, Sandra Rolim Ensslin Dutra, Lydia Pereira Bez FontanaKeywords:Performance evaluation, Knowledge management, Knowledge Multi-criteria decision aiding-constructivist (MCDA-C)79Title :An ambidexterity perspective toward configurations of knowledge empirical testing of its two-phase performance implications		
79       Title :       An ambidexterity perspective toward configurations of knowledge empirical testing of its two-phase performance implications		
empirical testing of its two-phase performance implications	retention,	
empirical testing of its two-phase performance implications		
	flows: an	
Author : Fanghong Liu, Jiangang Wang		
Keywords: Knowledge flows, Configurations, Ambidexterity, NBA, T performance	Гwo-phase	
80 Title : The role of product innovation and customer centricity in transfor and explicit knowledge into profitability	rming tacit	
Author : M. Ángeles López-Cabarcos, Suresh Srinivasan, Paula Vázquez-Ro	odríguez	
Keywords: Customer centricity, Profitability, Explicit knowledge, Tacit kn	nowledge,	
81 Title : Race to learn: knowledge characteristics and resource structure		
Author : Chandan Acharya, Isabel Rechberg, Xiaodan Dong		
Keywords: IJV, Knowledge characteristics, Learning race, Resource structure		
82         Title :         Impacts of malicious attacks on robustness of knowledge networks agent-based simulation	s: a multi-	
Author : Jianyu Zhao, Anzhi Bai, Xi Xi, Yining Huang, Shanshan Wang		
Keywords: Malicious attacks, Knowledge networks, Structural robustness, I robustness, Maximal connected subgraph, Network efficiency	Malicious attacks, Knowledge networks, Structural robustness, Functional robustness, Maximal connected subgraph, Network efficiency	
83 Title : An artificial intelligence approach to support knowledge management selection of creativity and innovation techniques	ent on the	
Author : Luiz Fernando de Carvalho Botega, Jonny Carlos da Silva		
Keywords: Knowledge-based systems, Knowledge management, Creat innovation techniques, Design teams	tivity and	
84 Title : Knowledge-sharing efforts and employee creative behavior: the in roles of passion for work, time sufficiency and procedural justice	vigorating	
Author : Dirk De Clercq, Renato Pereira		
Keywords: Africa, Passion for work, Procedural justice, Knowledge Conservation of resources theory, Creative behavior, Time sufficience	•	
85 Title : The big data-business strategy interconnection: a grand chal knowledge management. A review and future perspectives	llenge for	
Author :         Francesco Ciampi, Giacomo Marzi, Stefano Demi, Monica Faraoni		

	Keywords:	Bibliometric analysis, Strategy, Big data, Research agenda, Systematisation of literature
86	Title :	Differences in personality and the sharing of managerial tacit knowledge: an empirical analysis of public sector managers in Malaysia
	Author :	Halimah Abdul Manaf, William S. Harvey, Steven J. Armstrong, Alan Lawton
	Keywords:	Knowledge sharing, Personality traits, Tacit knowledge
87	Title :	Review of empirical research on leadership and organizational learning
	Author :	Thanh Tung Do, Ngoc Khuong Mai
	Keywords:	Organizational learning, Leadership, Leadership styles
		Journal of Library Administration
		Volume 60, 2020 Issue-6
88	Title :	Contributory Factors to Academic Librarian Turnover: A Mixed-Methods Study
	Author :	Christina Heady, Amy F. Fyn, Amanda Foster Kaufman, Allison
		Hosier & Millicent Weber
89	Title :	Creating Collaborative Library Spaces Through Partnerships with Campus Organizations
	Author :	Lindsay Ozburn, Jen Kirk & Teagan Eastman
90	Title :	A Content and Comparative Analysis of Job Advertisements for Special Collections Professionals Using ACRL RBMS Guidelines
	Author :	Kellee E. Warren & Jung Mi Scoulas
91	Title :	Investigating the Perceived Value of Special Collections in the Academic Library
	Author :	Jae Jennifer Rossman
92	Title :	Libraries and Leaders as Creators of Authentic Community: Shifting Our Story from Isolation to Ownership
	Author :	Tim Schlak
93	Title :	Maintaining Performance and Employee Engagement During the COVID-19 Pandemic
	Author :	Carine Risley
94	Title :	How Can School Libraries Support Student Wellbeing? Evidence and Implications for Further Research
	Author :	Margaret Merga

95	Title :	A Journey's End: A Retrospective Analysis of a Tipasa Migration with an Assessment of Patron Experience
	Author :	Brandon Martin & P. J. Louder back
		Library Hi Tech News
		Volume 37 Issue 6
96	Title :	Taxonomy of technology in galleries, libraries, archives and museums
	Author :	Adetoun A. Oyelude
97	Title :	Revamping the academic library use data capabilities: the Greek library science postgraduates' perspective
	Author :	Stavroula Sant-Geronikolou, Dimitris Kouis
	Keywords:	Academic library, Learning analytics, Library impact, In-library use, Personalized service, University student survey, Data, Information systems
98	Title :	Libraries in the midst of the Corona virus (COVID-19): researchers experiences in dealing with the vexatious infodemic
	Author :	Collence Takaingenhamo Chisita
99	Title :	Conference report, consumer electronic show, Las Vegas, Part 2
	Author :	Martin A. Kesselman, Wilson Esquivel
	Keywords:	Conference report, Library technology, Robotics, Artificial intelligence, Emerging technologies, Makerspaces
		Library Hi Tech News
		Volume 37 Issue 5
100	Title :	Scholarly communications, predatory publishers and publish or perish culture in the 2020s
	Author :	Donna Ellen Frederick
	Keywords:	Communications
101	Title :	Open access practices: roadmap to research paper publications in academic institutions
	Author :	Rexwhite Tega Enakrire, Joseph M. Ngoaketsi
	Keywords:	ICTs, Research papers, Roadmap, Academic institutions, Open access practices, Thesis and dissertation
102	Title :	Access services statistics: showing our story through Lib Insight
	Author :	Bethany Badgett Sewell, Amanda Cowell

	Keywords:	Library services, Statistics, Access services, Gate counts, Lib Insight, User counts
103	Title :	"Through the looking glass: envisioning new library technologies" pandemic response technologies: remote working
	Author :	Peter Fernandez
104	Title :	Consumer Electronics Show 2020, Las Vegas, conference report, Part 1
	Author :	Martin A. Kesselman, Wilson Esquivel
	Keywords:	Library services, Conferences, Library technology, Emerging technologies, Consumer technology association, Consumer electronic show
		Library Management
		Volume 41 Issue 6/7
105	Title :	Table Of Contents - Special Issue: Global, national and regional commonalities and differences. The future of African libraries in supporting information access and services
	Author :	Dennis N. Ocholla
106	Title :	The status of electronic teaching within South African LIS Education
	Author :	Mabel K. Majanja
	Keywords:	E-Teaching in library and information science, E-learning in South Africa, Virtual teaching in LIS
107	Title :	The emerging roles of academic librarians in Kenya: apomediaries or infomediaries ?
	Author :	Joel Nakitare, Emily Sawe, Joyce Nyambala, Tom Kwanya
	Keywords:	Academic librarians, Apomediaries, Digital platforms, Intermediary, Infomediaries, Library 3.0, Patron 3.0
108	Title :	Readiness of academic libraries in South Africa to research, teaching and learning support in the Fourth Industrial Revolution
	Author :	Dennis N. Ocholla, Lyudmila Ocholla
	Keywords:	4th industrial revolution, New trends/services, Academic libraries, South Africa
109	Title :	An authentic flip subscription model for Africa: library as publisher service
	Author :	Reggie Raju, Jill Claassen, Jeremiah Pietersen, Danielle Abrahamse
	Keywords:	Social justice, Library as publisher, Open access, Continental platform, Flipped model, Open journal systems
110	Title :	Open research data in African academic and research libraries: a literature

		analysis
	Author :	Elisha R.T. Chiware
	Keywords:	Academic libraries, Africa, Data, Open access, Open data, Open science, Research infrastructures, Research libraries
111	Title :	Data librarianship in South African academic and research libraries: a survey
	Author :	Elisha R.T. Chiware
	Keywords:	Data literacy, Data librarianship, Library and information studies, Research data management, South Africa
112	Title :	A conceptual virtual research environment model for the management of research data, a South African perspective
	Author :	Johann Van Wyk, Theo Bothma, Marlene Holmner
	Keywords:	South Africa, Research data management, Conceptual model, Components, Virtual research environments, VRE
113	Title :	Research data management literacy amongst lecturers at Strathmore University, Kenya
	Author :	Fredrick Odhiambo Adika, Tom Kwanya
	Keywords:	Research data management, Research data management literacy, Strathmore university, Kenya, Africa
114	Title :	Research data management at a public university in Malawi: the role of "three hands"
	Author :	Winner Dominic Chawinga, Sandy Zinn
	Keywords:	University, Librarians, Malawi, Research data, Researchers, Research data management
115	Title :	ICT proficiency: perspectives of Tangaza University College librarians in Kenya
	Author :	Stanislaus L. Agava, Peter G. Underwood
	Keywords:	Librarians, Library, Library and information science, Information professionals, Information and communication technologies
116	Title :	Innovative use of technologies to enhance knowledge management
	Author :	Everlyn M'mbone Anduvare, Marlene Holmner
	Keywords:	Knowledge management, Collaborative learning, Kenya, Educational technologies, Distributive learning, Marist
		Library Management
		Volume 41 Issue 4/5
447	<b>T</b> :41	Furthering the second fraction offseting the state in the second second
117	Title :	Exploring the common factors affecting the strategic plans in Iranian

		academic libraries
	Author :	Sirous Panahi, Hossein Ghalavand, Shahram Sedghi, Abdolahad Nabiolahi, Sedigheh Khani
	Keywords:	Academic libraries, Strategic planning, Strategic plan, Strategic priorities
118	Title :	Improving and extending activities of university and research libraries in Iran: the role of Iranian Research Institute for Information Science and Technology (Irandoc)
	Author :	Reza Rajabali Beglou, Somaye Sadat Akhshik
	Keywords:	University libraries, Research libraries, National Information System, Iranian Research Institute for Information Science and Technology (Iran doc), Iran, Improving libraries
119	Title :	Estimation of GDP from public library usage: Turkey sample
	Author :	Semanur Öztemiz, Mustafa Agah Tekindal
	Keywords:	GDP, Public libraries, Public libraries and economic development, Public libraries in Turkey
120	Title :	Reducing system toil in a university library
	Author :	Emily E. Boss, Nathan Gerth
	Keywords:	Information technology, Academic libraries, System management, System mapping, System migrations, Toil
121	Title :	Targeted awareness: promoting niche resources using confirmation emails
121	Author :	Brian Rennick, Leticia Camacho, Andy Spackman
	Keywords:	
	Reywords.	Marketing, Targeted advertising, Databases
122	Title :	Nurturing customer service culture in an experience economy: employees' assessment of the UWI, Mona Library service model
	Author :	Sasekea Harris, Cheryl Folkes, Karen Tyrell, David Brown
	Keywords:	Experience economy, Customer service, Customer experience, University library, Caribbean academic library, Service culture
123	Title :	Library leadership: opinions and attributes about Nigerian women academic librarians breaking the glass ceiling
	Author :	Clement Ola Adekoya
	Keywords:	Glass ceiling, Leadership, Library, Librarianship, Management, Women librarians
104	Title	Evaluiting the Menalysels to show the second states of the line
124	Title :	Exploiting the Marrakesh treaty to obviate copyright-related challenges on access to information by visually impaired people in academic libraries
	Author :	Samuel Macharia, Japheth Otike, Emily K. Bosire
	Keywords:	Copyright related challenges, Persons with visual impairments, Benefits of

		the Marrakesh treaty, Librarians' role in Marrakesh treaty, Access to
		information by visually impaired
125	Title :	US academic libraries' staffing and expenditure trends (1996–2016)
125	Author :	Starr Hoffman, Samantha Godbey
	Keywords:	Academic libraries, Quantitative, Expenditures, Academic libraries survey,
	noywordo.	IPEDS, Library staffing
126	Title :	The approaches used to make change decisions and the influencing determinants
	Author :	Zhixian Yi
	Keywords:	Approaches, Influencing determinants, Making change decisions, Academic library directors, Academic library, Advanced statistical analysis
127	Title :	Environmental education in libraries – theoretical foundations and practical
121	Thue .	implementation
	Author :	Małgorzata Fedorowicz-Kruszewska
	Keywords:	Sustainable development, Librarianship, Education for sustainable
		development, Environmental education, Environmental literacy, Green libraries
		indianos
128	Title :	Knowledge sharing practices among cataloguers in Nigeria's academic libraries
	Author :	Wole Olatokun, Tobechukwu Mary-Ann Njideaka
	Keywords:	Knowledge management, Cataloging, Catalogers, Academic libraries, Knowledge sharing behavior, Knowledge sharing practices
		Madiaal Deference Services Overterly
		Medical Reference Services Quarterly           Volume 39, 2020 Issue-3
		Volume 39, 2020 issue-3
129	Title :	A Practical Guide to Scholarly Activity for Health Sciences Librarians
.20		Terri Gotschall , Shalu Gillum & Nadine Dexter
130	Title :	Leveraging Survey Results in Support of a Library Renovation: A Case Study
	Author :	Jamie Saragossi , Gregg A. Stevens , Laurel Scheinfeld & Jessica A. Koos
131	Title :	Genetic and Rare Disease Diagnoses: A Review of Resources for Patients and Health Care Professionals
	Author :	Rachel F. Fenske
132	Title :	Appraising the Community of Practice at a Hospital Library System Using a Critical Librarianship Lens
	Author :	Joy Rodriguez , Chandrika Kanungo & Ana Macias

133	Title :	LGBTQ+ Source
	Author :	Gregg A. Stevens
134	Title :	From the Literature
	Author :	Emme Lopez
135	Title :	Thinking and Reading like a Scientist: Librarians as Facilitators of Primary Literature Literacy
	Author :	Alexander J. Carroll
		Online Information Review
		Volume 44 Issue 5
136	Title :	Personalized cloud service review analysis based on modularized ontology
	Author :	Emna Ben-Abdallah, Khouloud Boukadi, Mohamed Hammami, Mohamed Hedi Karray
	Keywords:	Cloud service, Context, Opinion analysis, Modular ontologies
137	Title :	The influence of subjective characteristics of social network sites on consumers' word-of-mouth sharing
	Author :	Yan Li, Ruijuan Wu, Dongjin Li
	Keywords:	Social network sites, Perceived anonymity, Interpersonal closeness, Number of friends, Word-of-mouth
100		
138	Title :	The dynamics of congressional popularity on Instagram
	Author :	David O'Connell
	Keywords:	Instagram, Congress, Social media, User engagement, Online popularity
100		
139	Title :	Who will land and stay? Page-specific antecedents of news engagement on social media
	Author :	Shahid Iqbal Khan, Ahmad Raza Bilal, Bilal Ahmad
	Keywords:	Online engagement, Page language, Posting frequency, Community size, News channels, Social media
1.40	<b>T</b> :41 -	
140	Title :	CID: Categorical Influencer Detection on microtext-based social media
	Author :	Thanh-Tho Quan, Duc-Trung Mai, Thanh-Duy Tran
	Keywords:	Categorical influencer detection, Social media, Topic modeling, Microtext analysis, Deep learning
4.4.4	<b>T</b> 141.	
141	Title :	Automatically detecting open academic review praise and criticism
	Author :	Mike Thelwall, Eleanor-Rose Papas, Zena Nyakoojo, Liz Allen, Verena

		Weigert
	Keywords:	Sentiment analysis, Peer review, Open peer review, F1000Research
142	Title :	Triggers and strategies related to the collaborative information-seeking behaviour of researchers in ResearchGate
	Author :	Sanam Ebrahimzadeh, Saeed Rezaei Sharifabadi, Masoumeh Karbala Aghaie Kamran, Kimiz Dalkir
	Keywords:	Collaborative, Information-seeking behaviour, Themes, Triggers, ResearchGate, Qualitative research
143	Title :	An enhanced lexicon-based approach for sentiment analysis: a case study on illegal immigration
	Author :	Yasir Mehmood, Vimala Balakrishnan
	Keywords:	Sentiment analysis, Lexicon-based, Social issue, Twitter, General inquirer
144	Title :	The effect of information privacy concern on users' social shopping intention
	Author :	Tao Zhou
	Keywords:	Privacy concern, Social shopping, Trust, Privacy risk
145	Title :	Comparative study of graphic-based tag clouds: theory and experimental evaluation for information search
	Author :	Xiaoyue Ma, Hao Ma
	Keywords:	Tag clouds, Information search, Visualization, Tag cluster, Search user interface, Comparative test
		Online Information Review
		Volume 44 Issue 4
1.10		
146	Title :	The role of continuous trust in usage of online product recommendations
	Author :	Muhammad Ashraf, Jamil Ahmad, Wareesa Sharif, Arslan Ali Raza, Muhammad Salman Shabbir, Mazhar Abbas, Ramayah Thurasamy
	Keywords:	OPR continuous usage, Satisfaction, Usefulness, Continuous trust, Confirmation
4.47	<b>T</b> 141	
147	Title :	Exploring digital inequalities in Russia: an interregional comparative analysis
	Author :	Anna Gladkova, Massimo Ragnedda
	Keywords:	Digital literacy, Digital divide, Digitization, Digital inclusion, Digital inequalities
148	Title :	Vote or not? How various information cues affect helpfulness voting of online reviews
	Author :	Weihua Deng, Ming Yi, Yingying Lu
	Keywords:	Online reviews, Helpfulness vote, Information processing, Heuristic– systematic model, Aggregate user representations, Social voting

149	Title :	Understanding why people share in the sharing economy
	Author :	Shiu-Li Huang, Shu-Yu Kuo
	Keywords:	Sharing economy, Planned behavior, Social capital, Asset supplier, Intention to share assets
150	Title :	Marginality and team building in collaborative crowdsourcing
	Author :	Rong Wang
	Keywords:	Crowdsourcing, Team assembly, Marginality, Openideo, Online collaboration, ERGM
151	Title :	Making a higher education institution choice: differences in the susceptibility to online information on students' advice-seeking behavior
	Author :	Peggy Ng, Daisy Lee, Phoebe Wong, Regan Lam
	Keywords:	Multigroup analysis, Online information, Decision-making process, Self-financing institutions
450	<b>T</b> 0	
152	Title :	What about "U"? The influence of positive online consumer reviews on the individual's perception of consumption benefits
	Author :	Blanca Hernandez-Ortega
	Keywords:	Online consumer reviews, Positive valence, U-shaped functional forms,
		Performance, Consumption perceptions
153	Title :	Engagement-oriented design: a study of New Zealand public cultural heritage institutions crowdsourcing platforms
	Author :	Elizabeth Johnson, Chern Li Liew
	Keywords:	Cultural heritage institutions, Crowdsourcing, Crowdsourcing platforms, Digital cultural heritage, Documentary heritage, Engagement
154	Title :	The effects of security and traceability of block chain on digital affordance
	Author :	Donghee Shin, Yujong Hwang
	Keywords:	Blockchain, Trust, Affordance, Block chain services, Privacy, Security, Reliability, Traceability, Heuristics
4.5.5		
155	Title :	How emergency managers engage Twitter users during disasters
	Author :	Zhan Xu
	Keywords:	Crisis, Disaster, Emergency, Social media, Twitter
		Portal: Libraries and the Academy
		Volume 20, Number 3, July 2020
150	Title	Academia Library Residency Programs and Diversity
156	Title :	Academic Library Residency Programs and Diversity

	Author :	Julie Garrison
157	Title :	portal:: Libraries and the Academy 2020 Johns Hopkins University Press Award for Best Article
	Author :	Marianne Ryan
158	Title :	E-Mail as Legacy: Managing and Preserving E-Mail as a Collection
	Author :	Jesse David Dinneen, Maja Krtalić
159	Title :	Programming as Pedagogy in the Academic Library
	Author :	Kathleen Kasten-Mutkus
160	Title :	The Continued Case for Bibliographical Teaching Collections
	Author :	Kevin M. O'Sullivan
161	Title :	Themes in Recent Research on Integrating Primary Source Collections and Instruction
	Author :	Sonia Yaco, Arkalgud Ramaprasad, Thant Syn
162	Title :	Measuring Student Motivation for Participation in GIS Data Activities
	Author :	Bethany S. McGowan
163	Title :	Framing Fake News: Misinformation and the ACRL Framework
	Author :	Allison Faix, Amy Fyn
164	Title :	Faculty Perceptions of Students' IL Learning in First-Year Writing
	Author :	Catherine Baird, Tiffany Soares
		Portal: Libraries and the Academy
		Volume 20, Number 2, April 2020
105	Title	
165	Title :	Developing Tomorrow's Library Leaders Brian E. C. Schottlaender
	Author :	Bhan E. C. Schollaender
166	Title :	The Smart City as a Library
100	Author :	Michael Simeone
	, tutnor .	
167	Title :	Quality Assurance and LIS Programs in Pakistan: Practices and Prospects
	Author :	Amara Malik, Kanwal Ameen

168	Title :	Information Literacy Instruction at the University of Macau: Challenges, Outcomes, and Lessons Learned
	Author :	Jingzhen Xie
169	Title :	A Field in Formation—A Citation Analysis of Japanese Popular Culture Studies
	Author :	Mikhail Koulikov
170	Title :	Moving from Collecting to Connecting: Articulating, Assessing, and Communicating the Work of Liaison Librarians
	Author :	Nancy Kranich, Megan Lotts, Jordan Nielsen, Judit H. Ward
171	Title :	Library Research Sprints as a Tool to Engage Faculty and Promote Collaboration
	Author :	Jenny McBurney, Shanda L. Hunt, Mariya Gyendina, Sarah Jane Brown, Benjamin Wiggins, Shane Nackerud
170		
172	Title :	The Kids Are All Right: How Libraries Can Best Serve Transfer Students
	Author :	Marc Vinyard
173	Title :	Evaluating the Single Service Point Using the Person-Environment- Occupation Model
	Author :	K. T. Vaughan
174	Title :	Accessible Library Instruction in Practice
	Author :	Sara Maurice Whitver
		Public Library Quarterly
		Volume 39, 2020 Issue-4
4	77.0	
175	Title :	Announcement Information Provided by United States' Public Libraries during the 2020 COVID-19 Pandemic
	Author :	Ting Wang & Brady Lund
176	Title :	Community Connections: Advocating for Libraries through Effective Brand Advocacy
	Author :	Rajesh Singh & Gabriella G. Trinchetta
177	Title :	Library Ranking Europe: A New Tool
	Author :	Maija Berndtson & Mats Öström
178	Title :	Evaluating a Public Library Makerspace

	Author :	Pia Margaret Gahagan & Philip James Calvert
179	Title :	Application of GIS in Mapping of Adult Literacy Outreach Programs and Potential Areas of Impact and Need
	Author :	Sharra Rosichan
180	Title :	Rural Public Library Outreach Services and Elder Users: A Case Study of the Washington County (VA) Public Library
	Author :	Scott Sikes
		Records Management Journal
		Volume 30 Issue 2
181	Title :	A discussion frame for explaining records that are based on algorithmic output
	Author :	Herbjørn Andresen
	Keywords:	Ethics, Algorithms, Prediction, Records management, Filtering, Explanation
182	Title :	Working in contexts for which transparency is important: A recordkeeping view of explainable artificial intelligence (XAI)
	Author :	Jenny Bunn
	Keywords:	Explainable artificial intelligence, Accountability, Transparency, Recordkeeping, Interdisciplinarity
183	Title :	Natural language processing and machine learning as practical toolsets for archival processing
	Author :	Tim Hutchinson
	Keywords:	Appraisal, Machine learning, Computational archival science, Natural language processing (NLP), Personally identifiable information (PII), Sensitivity review
184	Title :	Algorithmic methods to explore the automation of the appraisal of structured and unstructured digital data
	Author :	Basma Makhlouf Shabou, Julien Tièche, Julien Knafou, Arnaud Gaudinat
	Keywords:	Archival appraisal, Algorithmic method, Appraisal criteria, Appraisal metrics, Automation appraisal, Data mining
185	Title :	Internet of things in the archives: novel tools for environmental monitoring of archival collections
	Author :	Monica Maceli
	Keywords:	Archives, Environmental monitoring, Data logger, Internet-of-things
186	Title :	A record-keeping approach to managing IoT-data for government agencies

	Author :	Thomas Sødring, Petter Reinholdtsen, David Massey		
	Keywords:	Privacy, Internet of things, Government, Standards, Record keeping		
187	Title :	The potential for collaboration between AI and archival science in processing data from the French great national debate		
	Author :	Marie-Anne Chabin		
	Keywords:	Artificial intelligence, France, Diplomatics, Archival science, Great national debate		
188	Title :	Archiving experience: an exploration of the challenges of preserving virtual reality		
	Author :	Zack Lischer-Katz		
	Keywords:	Preservation, Virtual reality, 3D data		
		Science & Technology Libraries		
		Volume 39, 2020 Issue-3		
189	Title :	Reviews of Science for Science Librarians: Direct-to-Consumer DNA Testing for Ancestry as a Complement to Traditional Genealogical Methods		
	Author :	Tony Stankus		
190	Title :	Reviews of Science for Science Librarians: "Murder Hornets:" Vespa Mandarinia Japonica		
	Author :	Tony Stankus		
191	Title :	Information Seeking Behaviors, Attitudes, and Choices of Academic Mathematicians		
	Author :	Ian D. Gordon , Brian D. Cameron , Debbie Chaves & Rebecca Hutchinson		
192	Title :	Water Scarcity: A Big Challenge to Slums in Africa to Fight against COVID-19		
	Author :	S. Haddout , K.L. Priya , A.M. Hoguane & I. Ljubenkov		
193	Title :	Distributed Incremental Clustering Algorithms: A Bibliometric and Word-Cloud Review Analysis		
	Author :	Preeti Mulay , Rahul Joshi & Archana Chaudhari		
194	Title :	Research on Cold-chain Visualization Based on Knowledge Mapping		
	Author :	Tong Shao & Yong Ye		
195	Title :	Named Entity Recognition Approaches and Their Comparison for Custom NER Model		
	Author :	Hemlata Shelar , Gagandeep Kaur , Neha Heda & Poorva Agrawal		

		Technical Services Quarterly
		Volume 37, 2020 Issue-3
196	Title :	Troubleshooting Electronic Resources from an Interlibrary Loan Perspective
	Author :	Megan Lounsberry MLIS
197	Title :	Improving the Licensing Workflow at a Major Research University Library
	Author :	Alice L. Daugherty
198	Title :	Prevalence and Success of Article Purchasing
	Author :	Laura DeLancey , Kelly Smith & Lois Schultz
199	Title :	Authority Work, Catalogers, and Contemporary Authors: Results of an Online
	Author :	Survey Irina Stanishevskaya
200	Title :	Tiers of Cataloging: A Trim Model Approach for Metadata Capacity
	Author :	Jennifer Meekhof
201	Title :	Issues in E-resources Authentication and Authorization
	Author :	Edward M. Corrado
202	Title :	Report of the ALCTS Cataloging and Metadata Management Section
		(CaMMS) Catalog Management Interest Group Meeting, American Library
	Authory	Association Midwinter Meeting, Philadelphia, January 2020
	Author :	Dan Tam Do & Marina Morgan
203	Title :	Report of the ALCTS CaMMS Heads of Cataloging Departments Interest
205	The .	Group Meeting: American Library Association Midwinter Meeting,
		Philadelphia, PA, January 27, 2020
	Author :	David A. Van Kleeck
204	Title :	Report of the ALCTS Bibliographic Conceptual Models Interest Group (IG)
	Author :	Thomas M. Dousa & Beth Guay
205	Title :	Report of the Faceted Subject Access Interest Group. American Library
		Association Midwinter Meeting, Philadelphia, January 2020
	Author :	Forum Meeting, American Library Association Midwinter Meeting, Philadelphia, January 2020 Thomas M. Dousa & Beth Guay Report of the Faceted Subject Access Interest Group. American Library

	Author :	Nerissa Lindsey		
206	Title :	Report of the ALCTS Metadata Interest Group Meeting. American Library Association Midwinter Meeting. Philadelphia, January 2020		
	Author :	Mingyan Li		
207	Title :	Organization of Cataloging Units in Academic Libraries		
	Author :	Patricia K. Falk		
208	Title :	Library Publishing Coalition		
	Author :	Susan Leach-Murray		
209	Title :	California State University Alma/Primo Training Materials		
	Author :	Lisa Romano		
0.10				
210	Title :	Librarika		
	Author :	Katrina Zwaaf		
		The Bottom Line		
		Volume 33 Issue 3		
211	Title :	The payt frontier: using space as management strategy on exploratory study		
211	Author :	The next frontier: using space as management strategy - an exploratory study Pia Storvang, Bang Nguyen		
	Keywords:	Space strategy, Design management, Organizational change, Interaction,		
	Reywords.	Learning, Design theory		
212	Title :	Role of cloud computing in global accounting information systems		
	Author :	Syed Moudud-UI-Huq, Md. Asaduzzaman, Tanmay Biswas		
	Keywords:	Role, Cloud computing, Accounting, Information, Systems, Business area		
213	Title :	Predicting intention to share information on commercial websites based on personality traits		
	Author :	Nima Soltani-Nejad, Seyedeh Zahra Mirezati, Mohammad Karim Saberi		
	Keywords:	Information sharing, Structural equation modeling, E-commerce, Personality traits, Model, Business websites		
214	Title :	The facts of continuing professional development for LIS professionals in Pakistan: a literature review		
	Author :	Qurat UI Ain Saleem, Murtaza Ashiq		
	Keywords:	Pakistan, Professional development, Continuing education, Continuing professional development, On job training		

215	Title :	Relevance of academic research in information technology and information management		
	Author :	Merlin Stone, Emmanuel Kosack, Eleni Aravopoulou		
	Keywords:	Customer relationship management, Cloud computing, Platform, App development, Software as a service, Salesforce.com		
		The Electronic Library		
		Volume 38 Issue 3		
216	Title :	Automatic evaluation of online learning interaction content using domain concepts		
	Author :	Di Wu, Lei Wu, Alexis Palmer, Dr Kinshuk, Peng Zhou		
	Keywords:	Online learning, Concept extraction, Content quality, Domain concepts, Interaction content		
217	Title :	Exploring consumers' intent to use smart libraries with technology acceptance model		
	Author :	Kaijun Yu, Gang Huang		
	Keywords:	Library management, Library services, Library and information networks, Library administration, Technology acceptance model, Consumer behavior, Smart library, Artificial intelligence		
218	Title :	Author-related factors predicting citation counts of conference papers: focusing on computer and information science		
	Author :	Danielle Lee		
	Keywords:	Bibliometric analysis, Citation analysis, Author-related factors, Computer and information science, Conference papers, Ordinary least squares regression		
219	Title :	Three approaches to measuring recall on the Web: a systematic review		
	Author :	Mahdi Zeynali Tazehkandi, Mohsen Nowkarizi		
	Keywords:	Information retrieval, Webometrics, Search engine effectiveness, Relevance judgement, Evaluation metrics		
220	Title :	Exploring the intellectual structure and evolution of 24 top business journals: a scientometric analysis		
	Author :	Fangfang Wei, Guijie Zhang		
	Keywords:	Co-citation analysis, Co-occurrence analysis, Intellectual structure and evolution, Research outputs		
221	Title :	Ensuring continued use of a digital library: a qualitative approach		
	Author :	Abdul Rahim Abdul Rahman, Suhana Mohezar		
	Keywords:	Digital libraries, Information systems, Military, Critical success factors,		

		Successful implementations
222	Title :	Role of visual element in spoken English discourse: implications for YouTube technology in EFL classrooms
	Author :	Mohammed H. Albahiri, Ali Albashir Mohammed Alhaj
	Keywords:	Teaching, Technology, EFL classrooms, Saudi EFL students, Spoken English discourse, Visual elements, YouTube technology
000	<b>T</b> :41	
223	Title :	Multidimensional mining of public opinion in emergency events
	Author :	Qingqing Zhou, Ming Jing
	Keywords:	Public opinion, Opinion mining, Multidimensional analysis, Emergency events, User-generated contents
224	Title :	A study of the evaluation of a library's economic value based on the users'
224		A study of the evaluation of a library's economic value based on the users' and librarians' perceptions
	Author :	Younghee Noh
	Keywords:	Library's economic value, Evaluation index, User perceptions, Librarian perceptions, Evaluation studies, Evaluation, Perception, Public libraries, Economic value analysis, Index of economic value
225	Title :	Diagnosing and routing electronic service quality improvement of academic libraries with the FMEA approach in an intuitionistic fuzzy environment
	Author :	Seyyed Habibollah Mirghafoori, Hossein Sayyadi Tooranloo, Sepideh Saghafi
	Keywords:	University libraries, Quality, Electronic services, Failure mode and effects analysis (FMEA) method, Intuitionistic fuzzy environments, ELECTRE, Electronic Service Quality (ESQ)
226	Title :	A feature-centric spam email detection model using diverse supervised machine learning algorithms
	Author :	Ammara Zamir, Hikmat Ullah Khan, Waqar Mehmood, Tassawar Iqbal, Abubakker Usman Akram
	Keywords:	Email, Feature selection, Machine learning, Deep neural networks, Feature sets, Email classification, Email spam
227	Title :	Bringing the digital library success factors into the realm of the technology- organization-environment framework
	Author :	Feria Wirba Singeh, A. Abrizah, K. Kiran
	Keywords:	Digital libraries, Critical success factors, Information systems success model, Digital library frameworks, Digital library implementation

		The Information Society
		Volume 36, 2020 Issue-4
228	Title :	Leveling the playing field in ICT design: Transcending knowledge roles by balancing division and privileging of knowledges
	Author :	Rachel N. Simons, Kenneth R. Fleischmann & Loriene Roy
229	Title :	The information practices and politics of migrant-aid work in the US-Mexico borderlands
	Author :	Bryce Clayton Newell, Sara Vannini & Ricardo Gomez
230	Title :	Social constructivist account of the world's largest gay social app: Case study of Blued in China
	Author :	Weishan Miao & Lik Sam Chan
231	Title :	The smart feature phone revolution in developing countries: Bringing the internet to the bottom of the pyramid
	Author :	Jeffrey James

KEYWORDS	ART. NUMBER
4th industrial revolution	108
Academic institutions	101
Academic librarians	107
Academic libraries	60, 108, 117, 128
Academic libraries	125
survey	
Academic library	97, 126
Academic library	126
directors Access services	102
Access to information by	124
visually impaired	124
Accountability	182
Accounting	212
Active learning	47
Adaptive nature	27
Advanced statistical	126
analysis	-
Affordance	154
Africa	84, 110, 113
Aggregate user	148
representations	
Algorithmic method	184
Algorithms	181
Ambidexterity	79
Apomediaries	107
App development	215
Appraisal	183
Appraisal criteria	184
Appraisal metrics	184
Approaches	126
Apriori algorithm	27
Archival appraisal	184
Archival science	187
Archives	185
Artificial intelligence	99, 187, 217
Asset supplier	149
Association rule mining	27
Author-related factors	218
Automation appraisal	
Automation appraisa	184

Benefits of the	124
Marrakesh treaty	20
Bhattacharya distance	
Bibliometric analysis	85, 218
Big data	15, 85
Big deal packages	60
Blended learning	31
Blockchain	154
Blockchain services	154
Business area	212
Business websites	213
Caribbean academic	122
library	
Catalogers	128
Cataloging	128
Categorical influencer	140
detection	218
Citation analysis	
Civic participation	47
Classroom orchestration	35
Cloud computing	212, 215
Cloud service	136
Co-citation analysis	220
Collaborative	142
Collaborative learning	34, 39, 116
Collaborative reading	40
Communications	100
Community building	47
Community of practice	38
Community question	16
answering	
Community size	139
Comparative test	145
Competitiveness	72
Components	112
Computational archival	183
science	
Computer and	218
information science	34
Computer science	-
Computer science education	34, 49
Computer-supported	33, 36

collaborative learning	
Computer-supported	39
collaborative learning	
(CSCL)	0.4.0
Concept extraction	216
Conceptual model	112
Conference papers	218
Conference report	99
Conferences	104
Configurations	79
Confirmation	146
Congress	138
Conservation of	84
resources theory	
Consumer behavior	217
Consumer electronic show	104
Consumer technology	104
association	
Consumption	152
perceptions Contemplation	57
	57
Contemplative studies	216
Content quality	-
Content-based recommendation	16
Context	136
Continental platform	109
Continuing education	214
Continuing professional	214
development	217
Continuous trust	146
Co-occurrence analysis	220
Copyright related	124
challenges	· · · · · · · · · · · · · · · · · · ·
Coronavirus	41
Corporate	77
competitiveness	
Corporate innovations	77
COVID	44
COVID 19	33, 41, 48
COVID-19 pandemic	47
Creative behavior	84
Creativity and innovation	83

toobaieuroo	
techniques	455
Crisis	155
Critical success factors	221, 227
Cross-efficiency	21
Crowdsourcing	150, 153
Crowdsourcing platforms	153
Cultural heritage	153
institutions	80
Customer centricity	
Customer experience	122
Customer relationship	215
management Customer service	122
Data	97, 110
Data envelopment	21
analysis	21
Data librarianship	111
Data literacy	111
Data mining	22, 184
Databases	121
Datalogger	185
Decision-making	60
Decision-making process	151
Deduplication	15
Deep belief network	20, 24
Deep learning	20, 140
Deep neural networks	226
Degree of orness	21
Democracy	62
Design	29, 38
Design case	50
Design education	32
Design management	211
Design research	44
Design teams	83
Design theory	211
Design thinking	46
Design-based research	46
Dialogical interactions	50
Digital cultural heritage	153
Digital divide	42, 147

Digital humanities	58
Digital inclusion	147
Digital inequalities	147
Digital innovation hubs	74
Digital learning	37
Digital libraries	221, 227
Digital library frameworks	227
Digital library	227
implementation	
Digital literacy	147
Digital pedagogy	31
Digital platforms	107
Digital transformation	74
Digitally mediated	38
Digitization	147
Diplomatics	187
Disaster	155
Distance education	31, 34, 39, 47
Distance learning	35, 44
Distributive learning	116
Diversity	62
Documentary heritage	153
Domain concepts	216
Doubly fed induction	19
generators (DFIGs)	
Earthworm optimization	20
algorithm E-commerce	213
Economic value analysis	213
Education	72
Education for sustainable	127
development	121
Educational technologies	43, 116
EFL classrooms	222
E-guests	37
E-journals	60
E-Learning	30, 31
E-learning in South	106
Africa	
ELECTRE	225
Electronic Service	225
Quality (ESQ)	

Electronic services	225
Electronic textiles	49
Email	226
Email classification	226
E-mail phishing	20
Email spam	226
Emergency	155
Emergency events	223
Emergency remote	45
learning	
Emergency remote	32, 34, 41
teaching Emergency transition	50
Emergency transitions	38
Emerging technologies	99, 104
Emotion recognition	24
•	75
Employee performance	
Engagement Environmental education	33, 153 127
Environmental literacy	127
Environmental monitoring	185
Equity	42
ERGM	150
E-Teaching in library and	106
information science	100
Ethics	181
Evaluation	60
Evaluation	224
Evaluation index	224
Evaluation metrics	219
Evaluation studies	224
Evidence-based	45
practices	
Expansive framing	41
Expenditures	125
Experience economy	122
Explainable artificial	182
intelligence	101
Explanation	181
Explanatory Q&A	16
Explicit knowledge	80

Extrinsic rewards	73
F1000Research	141
Failure mode and effects analysis (FMEA) method	225
Fake news	55
Families	45
Feature selection	23, 226
Feature sets	226
Feminist aesthetics	62
Filtering	181
Firefly optimization algorithm	17
Flipped model	109
Formal learning	44
Fractional concept	20
Fractional order proportional integral (FOPI)	25
France	187
Frequent itemset mining	22
Functional robustness	82
Gain scheduling	25
Gate counts	102
GDP	119
Gender	76
Gender recognition	24
General inquirer	143
George Orwell	55
Gift giving	18
Glass ceiling	123
Global search	23
Google Docs	41
Government	186
Great national debate	187
Green libraries	127
Guided inquiry learning	34
GWO	28
Helpfulness vote	148
Heuristics	154
Heuristic–systematic model	148
Higher ed	42

Higher education	30, 32, 35, 43
History learning	33
Horizontal	75
communication	
ICTs	101
IJV	81
Implementation	15
Improving libraries	118
Index of economic value	224
Indigenous knowledge	56
Influencing determinants	126
Infomediaries	107
Information	55, 212
Information and	115
communication	
technologies	
Information behavior	57
Information graphs	15
Information literacy	55
Information processing	148
Information professionals	115
Information retrieval	219
Information science	30, 57
Information search	145
Information sharing	213
Information studies	61
Information systems	97, 221
Information systems	227
success model	
Information technology	120
Information-seeking	142
behaviour	
In-library use	97
Inquiry learning	34
Instagram	138
Instructional design	30, 36, 42, 50
Intellectual structure and	220
evolution	
Intention to share assets	149
Interaction	39, 211
Interaction content	216
Interdisciplinarity	182

Intermediary	107
Internet-of-things	185, 186
Interpersonal closeness	137
Intrinsic rewards	73
Intuitionistic fuzzy	225
environments	
IPEDS	125
Iran	118
Iranian Research	118
Institute for Information	
Science and Technology (Irandoc)	
IT firms	77
K12	42, 43, 46
K-12 education	47
K-12 online learning	45
Kenya	113, 116
Knowledge brokers	74
Knowledge building	29
Knowledge	81
characteristics	
Knowledge flows	79
Knowledge management	16, 76, 83, 116, 128
Knowledge networks	82
Knowledge retention	78
Knowledge sharing	72, 74, 76, 84
Knowledge sharing behavior	128
Knowledge sharing practices	128
Knowledge-based	83
Large lectures	35
Leader-member	75
exchange	
Leadership	87, 123
Leadership styles	87
Learner control	45
Learning	211
Learning algorithm	28
Learning analytics	97
Learning design	30

Learning framework	44
Learning management systems	41
Learning race	81
Learning regulation	48
Learning sciences	30, 46
Learning technologies	42
Learning technologies	43
Lexicon-based	143
LFC	25
LibInsight	102
Librarian perceptions	224
Librarians	114, 115
Librarians' role in	124
Marrakesh treaty	
Librarianship	123, 127
Libraries	57
Library	115, 123
Library 3.0	107
Library administration	217
Library and information networks	217
Library and information science	115
Library and information	111
studies Library as publisher	109
Library ethics	62
Library impact	97
Library management	217
Library services	102, 104, 217
Library staffing	125
Library technology	99, 104
Library usage	59, 104
Library's economic value	224
Lion algorithm (LA)	224
Low-bandwidth learning	34
materials	т
LVRT	19
Machine learning	183, 226
Maker education	49
Makerspaces	99

Making change decisions	126
Malawi	114
Malicious attacks	82
Management	123
Marginality	150
Marist	116
Marketing	121
Mathematics education	50
Maximal connected	82
subgraph	
Maximum power point	19
tracking Metaheuristic algorithm	23
Mexico	56
	140
Microtext analysis Military	221
Misinformation	55
	36
Mob programming Model	213
	-
Models	61
Modular ontologies	136
Multi-criteria decision aiding–constructivist	78
(MCDA-C)	
Multidimensional	223
analysis	
Multigroup analysis	151
Multi-source	25
Museums	57
Mutation reduction	17
Mutation score	17
Mutation testing	17
National Information	118
System	102
Natural language processing (NLP)	183
NBA	79
Network analysis	33
Network efficiency	82
New trends/services	108
News	55
News channels	139
NN	28

Numera en efficiende	407
Number of friends	137
On job training	214
Online and hybrid learning	32
Online collaboration	48, 150
Online collaborative	36
Programming	
Online consumer reviews	152
Online education	39, 43, 49
Online engagement	139
Online information	151
Online instruction	44
Online knowledge	73
sharing	
Online learning	30, 33, 37, 40,
Online nenularity	45, 216 138
Online popularity Online reviews	148
-	45
Online strategies	
Online teaching	29, 30, 37, 38
Open access	109, 110
Open access practices	101
Open data	110
Open journal systems	109
Open peer review	141
Open science	110
Openideo	150
Opinion analysis	136
Opinion mining	223
OPR continuous usage	146
Optimization	20, 27
Ordinal/continuous data	22
Ordinary least squares	218
regression	
Organizational change	211
Organizational learning	87
OWA aggregation	21
Page language	139
Pakistan	214
Participatory design	44
Passion for work	84
Patron 3.0	107

Perceived anonymity137Perception224Performance152Performance evaluation78Personality traits86, 213Personalized service97Personalized service97Personally identifiable information (PII)183Persons with visual impairments124Philosophy57Physical computing49Planned behavior149Platform215Population-based algorithm23Posting frequency139Practice theory60Prediction181Preservation188Prison libraries59Privacy concern144Privacy rules27Private companies73Product innovation80Product innovation80Product innovation58Project documentation58Project documentation58Project based learning algorith32	Peer review	141
Performance152Performance evaluation78Personality traits86, 213Personalized service97Personalized service97Personality traits183information (PII)183Persons with visual impairments124Philosophy57Physical computing49Planned behavior1449Platform215Population-based algorithm37Postitye valence152Posting frequency139Practice theory60Preservation188Prison libraries59Privacy154, 186Privacy rules27Private education institutions72Product innovation80Productive disciplinary engagement41Project documentation58Project based learning32Project-based learning32Project-based online36	Perceived anonymity	137
Performance evaluation78Personality traits86, 213Personalized service97Personalized service97Personally identifiable information (PII)183Persons with visual impairments124Philosophy57Physical computing49Planned behavior1449Platform215Population-based algorithm37Postitye valence152Posting frequency139Practice theory60Preservation188Prison libraries59Privacy154, 186Privacy rules27Private companies73Private education institutions72Product innovation80Productive disciplinary engagement214Project documentation58Project based learning32Project-based learning32Project-based online36	Perception	224
Personality traits86, 213Personalized service97Personally identifiable information (PII)183Persons with visual impairments124Philosophy57Physical computing49Planned behavior149Platform215Population-based algorithm37Postive valence152Posting frequency139Practice theory60Preservation188Prison libraries59Privacy154, 186Privacy rules27Private companies73Product innovation80Product innovation80Productive disciplinary engagement214Project documentation58Project-based learning32Project-based learning36	Performance	152
Personalized service97Personally identifiable information (PII)183Persons with visual impairments124Philosophy57Physical computing49Planned behavior149Platform215Population-based algorithm23algorithm37Postitve valence152Posting frequency139Practice theory60Prediction181Preservation188Prison libraries59Privacy154, 186Privacy rules27Privacy rules73Product innovation institutions80Product innovation engagement80Project documentation58Project documentation58Project based learning 3232Project-based online36	Performance evaluation	78
Personalized service97Personally identifiable information (PII)183Persons with visual impairments124Philosophy57Physical computing49Planned behavior149Platform215Population-based algorithm23algorithm37Postitve valence152Posting frequency139Practice theory60Prediction181Preservation188Prison libraries59Privacy154, 186Privacy rules27Privacy rules73Product innovation institutions80Product innovation engagement80Project documentation58Project documentation58Project based learning 3232Project-based online36	Personality traits	86, 213
information (PII)Image: Image: Im		97
information (PII)Image: Image: Im	Personally identifiable	183
impairments		
Philosophy57Physical computing49Planned behavior149Platform215Population-based algorithm23Postive valence152Postiry valence152Posting frequency139Practice theory60Prediction181Preservation188Prison libraries59Privacy concern144Privacy risk144Privacy rules27Private companies73Procedural justice84Product innovation80Product innovation214development214Project documentation58Project management58Project-based online36		124
Physical computing49Planned behavior149Platform215Population-based algorithm23Positive valence152Posting frequency139Practice theory60Prediction181Preservation188Prison libraries59Privacy concern144Privacy risk144Privacy rules27Private companies73Procedural justice84Product innovation80Productive disciplinary engagement214Project documentation58Project management58Project-based online36		57
Planned behavior149Platform215Population-based algorithm23Positive valence152Postgraduate37Posting frequency139Practice theory60Prediction181Preservation188Prison libraries59Privacy concern144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement214Project documentation58Project management58Project-based learning32Project-based online36		
Platform215Population-based algorithm23Positive valence152Postgraduate37Posting frequency139Practice theory60Prediction181Preservation188Prison libraries59Privacy154, 186Privacy concern144Privacy rules27Private companies73Private education institutions72Product innovation80Productive disciplinary engagement214Project documentation58Project management58Project-based learning 3232Project-based online36		
Population-based algorithm23Positive valence152Postgraduate37Postgraduate37Posting frequency139Practice theory60Prediction181Preservation188Prison libraries59Privacy154, 186Privacy concern144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Professional development214Project documentation58Project management58Project-based learning32Project-based online36		
algorithm152Positive valence152Posting frequency139Prosting frequency139Practice theory60Prediction181Preservation188Prison libraries59Privacy154, 186Privacy concern144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Professional development214Project documentation58Project management58Project-based learning32Project-based online36		-
Positive valence152Postgraduate37Posting frequency139Practice theory60Prediction181Preservation188Prison libraries59Privacy154, 186Privacy concern144Privacy rules27Private companies73Private education institutions72Product innovation80Productive disciplinary engagement41Professional development214Project documentation58Project-based learning32Project-based online36		23
Postgraduate37Posting frequency139Practice theory60Practice theory181Prediction188Preservation188Prison libraries59Privacy154, 186Privacy concern144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement214Project documentation58Project management58Project-based learning32Project-based online36		152
Posting frequency139Practice theory60Prediction181Preservation188Prison libraries59Privacy154, 186Privacy concern144Privacy risk144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement214Project documentation58Project management58Project-based learning32Project-based online36		
Practice theory60Prediction181Preservation188Prison libraries59Privacy154, 186Privacy concern144Privacy risk144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement41Professional development214Project documentation58Project management58Project-based learning32Project-based online36		
Prediction181Preservation188Prison libraries59Privacy154, 186Privacy concern144Privacy risk144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement214Professional development214Project documentation58Project management58Project-based learning32Project-based online36	<b>0</b> . ,	
Preservation188Prison libraries59Privacy154, 186Privacy concern144Privacy risk144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement214Professional development214Project documentation58Project management58Project-based learning36	-	
Privacy154, 186Privacy concern144Privacy risk144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement41Professional development214Project documentation58Project management58Project-based learning36		
Privacy concern144Privacy risk144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement41Professional development214Project documentation58Project management58Project-based learning32Project-based online36	Prison libraries	59
Privacy concern144Privacy risk144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement41Professional development214Project documentation58Project management58Project-based learning32Project-based online36	Privacy	154, 186
Privacy risk144Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement41Professional development214Profitability80Project documentation58Project management58Project-based learning32Project-based online36	-	
Privacy rules27Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement41Professional development214Profitability80Project documentation58Project-based learning32Project-based online36		144
Private companies73Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement41Professional development214Profitability80Project documentation58Project-based learning32Project-based online36		27
Private education institutions72Procedural justice84Product innovation80Productive disciplinary engagement41Professional development214Profitability80Project documentation58Project management58Project-based learning32Project-based online36		73
Procedural justice84Product innovation80Productive disciplinary engagement41Professional development214Profitability80Project documentation58Project management58Project-based learning32Project-based online36	•	72
Product innovation80Productive disciplinary engagement41Professional development214Profitability80Project documentation58Project management58Project-based learning32Project-based online36		
Productive disciplinary engagement41Professional development214Profitability80Project documentation58Project management58Project-based learning32Project-based online36	-	84
engagementProfessional development214Profitability80Project documentation58Project management58Project-based learning32Project-based online36		
Professional development214Profitability80Project documentation58Project management58Project-based learning32Project-based online36		41
developmentProfitability80Project documentation58Project management58Project-based learning32Project-based online36		214
Profitability80Project documentation58Project management58Project-based learning32Project-based online36		214
Project documentation58Project management58Project-based learning32Project-based online36		80
Project management58Project-based learning32Project-based online36		
Project-based learning32Project-based online36		
Project-based online 36		
	course	

Promising online	45
practices	26
Propagation channel	73
Public companies	
Public libraries	119, 224
Public libraries and	119
economic development Public libraries in Turkey	119
Public opinion	223
PV array	19
Q&A recommendation	16
Qualitative research	142
Quality	225
Quantitative	125
Questionnaire	22
R&D activities	77
Raga identification	28
Ranking DMUs	21
Readers' advisory	62
Reading	59
Reading motivation	59
Record keeping	182, 186
Records management	181
Regression	22
Relevance judgement	219
Reliability	154
Remote education	31
Remote learning	48
Remote online education	38, 46
Representations	33
Research	61
Research agenda	85
Research data	114
Research data	
management	111, 112, 114
Research data	113
management literacy	110
Research infrastructures	110
Research libraries	110, 118
Research outputs	220
Research papers	101
Researchers	114

ResearchGate	142
Resource structure	81
Review	43
RMS delay spread	26
Roadmap	101
Robotics	99
Role	212
Salesforce.com	215
Satisfaction	146
Saudi EFL students	222
Scaffolding	29
Scalability	15
Scholarly communication	15
Search engine	219
effectiveness	
Search user interface	145
Secondary school	49
Security	154
Self-financing institutions	151
Self-regulated learning (SRL)	45
Sensitivity review	183
Sentiment analysis	141, 143
Service culture	122
Sharing economy	149
Single-solution algorithm	23
Situated cognition	41
Smart library	217
SMEs	74
Social annotation	40
Social capital	149
Social connection	48
Social issue	143
Social justice	109
Social justiced	62
Social learning	41
Social media	16, 31, 47, 75, 138, 155
Social network analysis	29
Social network services (SNS)	18
Social network sites	137

Social presence	35
Social reading	40
Social shopping	144
Social voting	148
Sociocultural	29
Software as a service	215
Software engineering	36
Software industry	22
Software testing	17
South Africa	108, 111, 112
Space strategy	211
Spam mails	20
Specifications grading	32
Spoken English	222
discourse	
Standards	186
Statistics	102
STEM	34
Strategic plan	117
Strategic planning	117
Strategic priorities	117
Strategies	48
Strategy	85
Strathmore university	113
Structural equation	213
modeling	
Structural robustness	82
Styling	24
Subjective preference	21
Successful	221
implementations	40
Survey	42
Sustainable development	127
Sustainable publishing models	58
Swara identification	28
Synchronous learning	37
Synchronous online	50
learning	
System management	120
System mapping	120
System migrations	120

Ourstans atia litanatuma	70
Systematic literature review	76
Systematisation of	85
literature	
Systems	212
Tacit knowledge	80, 86
Tag clouds	145
Tag cluster	145
Tangential path loss model	26
Targeted advertising	121
Taste	62
Teacher dashboards	35
Teacher education	46
Teachers	45
Teaching	222
Teaching practice	34
Team assembly	150
Team-member exchange	75
Technology	222
Technology acceptance	217
model	
Themes	142
Theory	61
Theory of planned behavior (TPB)	18
Theory of reasoned action	72
Thesis and dissertation	101
Time	59
Time sufficiency	84
Toil	120
Topic modeling	140
Traceability	154
Traditional knowledge	56
Transparency	182
Triggers	142
Trust	144, 154

Trust in colleagues72Twitter143, 155Two-phase performance79UK77University114University libraries118, 225University library122University student survey97Usefulness146User counts102User engagement138User perceptions224User studies61User-generated contents223U-shaped functional forms152Virtual reality188Virtual reality106Visual elements222Visual elements222Visualization145VRE112Web annotation40Weebometrics219We Chat mini-program18Whale optimization algorithm19, 24Wireless channel model26Wisdom57Wornen librarians123		
Two-phase performance79UK77University114University libraries118, 225University library122University student survey97Usefulness146User counts102User engagement138User perceptions224User-generated contents223U-shaped functional forms152Virtual reality188Virtual research environments112Visual elements222Visual ization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wisdom57Women librarians123	Trust in colleagues	• =
UK77University114University libraries118, 225University library122University student survey97Usefulness146User counts102User engagement138User perceptions224User studies61User-generated contents223U-shaped functional forms152Virtual reality188Virtual research environments112Visual elements222Visual ization145VRE112Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wireless channel model Visdom26Wisdom57Women librarians123	Twitter	143, 155
University114University libraries118, 225University library122University student survey97Usefulness146User counts102User engagement138User perceptions224User studies61User-generated contents223U-shaped functional forms152Vertical communication75Virtual reality188Virtual research environments112Visual elements222Visual ization145VRE112Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wireless channel model Wisdom26Wisdom57Women librarians123	Two-phase performance	79
University libraries118, 225University library122University student survey97Usefulness146User counts102User engagement138User perceptions224User studies61User-generated contents223U-shaped functional forms152Vertical communication75Virtual reality188Virtual research environments112Visual elements222Visual ization145VRE112Webometrics219We Chat mini-program18Whale optimization algorithm19Wireless channel model S726Wisdom57Women librarians123	UK	77
University library122University student survey97Usefulness146User counts102User engagement138User perceptions224User studies61User-generated contents223U-shaped functional forms152Vertical communication75Virtual reality188Virtual research environments112Visual elements222Visualization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wisdom57Women librarians123	University	114
University student survey97Usefulness146User counts102User engagement138User perceptions224User studies61User-generated contents223U-shaped functional forms152Vertical communication75Virtual reality188Virtual research environments112Visual elements222Visual ization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wisdom57Women librarians123	University libraries	118, 225
Usefulness146User counts102User engagement138User perceptions224User studies61User-generated contents223U-shaped functional forms152Vertical communication75Virtual reality188Virtual research environments112Visual elements222Visual ization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wireless channel model Sof26Wisdom57Women librarians123	University library	122
User counts102User engagement138User perceptions224User studies61User-generated contents223U-shaped functional forms152Vertical communication75Virtual reality188Virtual research environments112Visual elements222Visual ization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wird turbine19Wireless channel model Wisdom26Women librarians123	University student survey	97
User engagement138User perceptions224User studies61User-generated contents223U-shaped functional forms152Vertical communication75Virtual reality188Virtual research environments112Virtual teaching in LIS106Visual elements222Visual ization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wind turbine19Wireless channel model26Wisdom57Women librarians123	Usefulness	146
User perceptions224User studies61User-generated contents223U-shaped functional forms152Vertical communication75Virtual reality188Virtual research environments112Virtual teaching in LIS106Visual elements222Visual ization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wind turbine19Wireless channel model26Wisdom57Women librarians123	User counts	102
User studies61User-generated contents223U-shaped functional forms152Vertical communication75Virtual reality188Virtual research environments112Virtual teaching in LIS106Visual elements222Visual ization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wireless channel model26Wisdom57Women librarians123	User engagement	138
User-generated contents223U-shaped functional forms152Vertical communication75Virtual reality188Virtual research environments112Virtual teaching in LIS106Visual elements222Visual ization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wird turbine19Wireless channel model26Wisdom57Women librarians123	User perceptions	224
U-shaped functional forms152Vertical communication75Virtual reality188Virtual research environments112Virtual teaching in LIS106Visual elements222Visual ization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wireless channel model26Wisdom57Women librarians123	User studies	61
formsImage: scalar	User-generated contents	223
Vertical communication75Virtual reality188Virtual research environments112Virtual teaching in LIS106Visual elements222Visual ization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wireless channel model26Wisdom57Women librarians123	•	152
Virtual reality188Virtual research environments112Virtual teaching in LIS106Visual elements222Visual ization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wireless channel model26Wisdom57Women librarians123		
Virtual research environments112Virtual teaching in LIS106Visual elements222Visualization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wireless channel model26Wisdom57Women librarians123		
environmentsVirtual teaching in LIS106Visual elements222Visualization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wireless channel model26Wisdom57Women librarians123	Virtual reality	188
Virtual teaching in LIS106Visual elements222Visualization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wireless channel model26Wisdom57Women librarians123		112
Visual elements222Visualization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wind turbine19Wireless channel model26Wisdom57Women librarians123		100
Visualization145VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wind turbine19Wireless channel model26Wisdom57Women librarians123		
VRE112Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wind turbine19Wireless channel model26Wisdom57Women librarians123		
Web annotation40Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wind turbine19Wireless channel model26Wisdom57Women librarians123	Visualization	-
Webometrics219We Chat mini-program18Whale optimization algorithm19, 24Wind turbine19Wireless channel model26Wisdom57Women librarians123	VRE	112
We Chat mini-program18Whale optimization algorithm19, 24Wind turbine19Wireless channel model26Wisdom57Women librarians123	Web annotation	40
Whale optimization algorithm19, 24Wind turbine19Wireless channel model26Wisdom57Women librarians123	Webometrics	219
algorithmWind turbine19Wireless channel model26Wisdom57Women librarians123	We Chat mini-program	18
Wind turbine19Wireless channel model26Wisdom57Women librarians123		19, 24
Wireless channel model26Wisdom57Women librarians123		10
Wisdom57Women librarians123		-
Women librarians 123		26
Word of mouth 127		
	Word-of-mouth	137
YouTube technology 222	YouTube technology	222