

Hend S Al-Khalifa

List of Publications by Year in descending order

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Version: 2024-02-01

171
papers

2,504
citations

430754

18
h-index

289141

40
g-index

178
all docs

178
docs citations

178
times ranked

2231
citing authors

#	ARTICLE	IF	CITATIONS
1	BERT for Arabic Topic Modeling: An Experimental Study on BERTopic Technique. <i>Procedia Computer Science</i> , 2021, 189, 191-194.	1.2	34
2	SynoExtractor: A Novel Pipeline for Arabic Synonym Extraction Using Word2Vec Word Embeddings. <i>Complexity</i> , 2021, 2021, 1-13.	0.9	8
3	A panoramic survey of natural language processing in the Arab world. <i>Communications of the ACM</i> , 2021, 64, 72-81.	3.3	26
4	Arabic Fake News Detection: Comparative Study of Neural Networks and Transformer-Based Approaches. <i>Complexity</i> , 2021, 2021, 1-10.	0.9	31
5	Cognitively Driven Arabic Text Readability Assessment Using Eye-Tracking. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8607.	1.3	1
6	An Exploratory Study to Extract Analogies from Arabic Text. , 2021, , .		1
7	Teaching Programming to Students with Vision Impairment: Impact of Tactile Teaching Strategies on Studentâ€™s Achievements and Perceptions. <i>Sustainability</i> , 2020, 12, 5320.	1.6	13
8	Deep-Learning-Based Models for Pain Recognition: A Systematic Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5984.	1.3	19
9	Error Detection for Arabic Text Using Neural Sequence Labeling. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5279.	1.3	9
10	A Deep Learning Approach for Automatic Hate Speech Detection in the Saudi Twittersphere. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8614.	1.3	59
11	A Framework for Enhancing Big Data Integration in Biological Domain Using Distributed Processing. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7092.	1.3	2
12	Accessibility Evaluation of Saudi E-Government Systems for Teachers: A Visually Impaired Userâ€™s Perspective. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7528.	1.3	2
13	Detection of Hate Speech in COVID-19â€™Related Tweets in the Arab Region: Deep Learning and Topic Modeling Approach. <i>Journal of Medical Internet Research</i> , 2020, 22, e22609.	2.1	39
14	Comparative Analysis of Nine Arabic Stemmers on Microblog Information Retrieval. , 2020, , .		5
15	Improving Arabic Microblog Retrieval with Distributed Representations. <i>Lecture Notes in Computer Science</i> , 2020, , 185-194.	1.0	0
16	Move-IT: A Virtual Reality Game for Upper Limb Stroke Rehabilitation Patients. <i>Lecture Notes in Computer Science</i> , 2020, , 184-195.	1.0	6
17	Qillah: A Morphological Extension for Identifying Plural-of-Paucity Arabic Words. <i>International Journal of Asian Language Processing</i> , 2020, 30, 2050013.	0.3	0
18	UMSG: An Extended Model to Investigate the Use of Mobile Social Games. <i>IEEE Access</i> , 2019, 7, 80277-80286.	2.6	1

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19	A System for Decoding and Coloring Arabic Text for Language Learners. IEEE Access, 2019, 7, 104810-104822.	2.6	2
20	HealthSEA: Towards Improving the Search Engine of KAAHE Arabic Health Encyclopedia. , 2019, , .		1
21	Teaching Mobile Application Development in 20 Hours for High School Girls: A Web-Based Approach. , 2019, , .		2
22	Grammar checking and relation extraction in text: approaches, techniques and open challenges. Data Technologies and Applications, 2019, 53, 373-394.	0.9	1
23	Handling Big Data Scalability in Biological Domain Using Parallel and Distributed Processing: A Case of Three Biological Semantic Similarity Measures. BioMed Research International, 2019, 2019, 1-20.	0.9	3
24	RabbitRun: An Immersive Virtual Reality Game for Promoting Physical Activities Among People with Low Back Pain. Technologies, 2019, 7, 2.	3.0	12
25	A7x ³ ta: Data on a monolingual Arabic parallel corpus for grammar checking. Data in Brief, 2019, 22, 237-240.	0.5	2
26	Readability of written medicine information materials in Arabic language: expert and consumer evaluation. BMC Health Services Research, 2018, 18, 139.	0.9	6
27	A Systematic Review of Modifications and Validation Methods for the Extension of the Keystroke-Level Model. Advances in Human-Computer Interaction, 2018, 2018, 1-26.	1.8	7
28	Evolution of Linked Data Application Domains From 2009 to 2015. International Journal of Technology Diffusion, 2018, 9, 1-20.	0.2	0
29	A Review of Wrist-Worn Wearable: Sensors, Models, and Challenges. Journal of Sensors, 2018, 2018, 1-20.	0.6	41
30	A Proposed Arabic Grammatical Error Detection Tool Based on Deep Learning. Procedia Computer Science, 2018, 142, 352-355.	1.2	10
31	Grammatical Error Checking Systems: A Review of Approaches and Emerging Directions. , 2018, , .		1
32	Named Entity Recognition Using Word-Embedding Techniques for ArabicWeb16: An Empirical Study. , 2018, , .		0
33	Rejuvenation of the IT Program at King Saud University. , 2018, , .		2
34	Basma: An Interactive IoT-Based Plush Toy for Arabic-Speaking Children. Journal of Computer Science, 2018, 14, 1440-1453.	0.5	4
35	A Proposed Game for Promoting Physical Activities among People with Low Back Pain using Virtual Reality. , 2018, , .		4
36	Haptics-Based Systems Characteristics, Classification, and Applications. , 2018, , 4652-4665.		1

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37	Blind FLM Web-Based Tools for Keystroke-Level Predictive Assessment of Visually Impaired Smartphone Interaction. Lecture Notes in Computer Science, 2018, , 338-342.	1.0	0
38	CHEMOTION: A gesture based chemistry virtual laboratory with leap motion. Computer Applications in Engineering Education, 2017, 25, 961-976.	2.2	19
39	Revisiting the accessibility of Saudi Arabia government websites. Universal Access in the Information Society, 2017, 16, 1027-1039.	2.1	45
40	AraSenTi-Tweet: A Corpus for Arabic Sentiment Analysis of Saudi Tweets. Procedia Computer Science, 2017, 117, 63-72.	1.2	89
41	Exploring NLP web APIs for building Arabic systems. , 2017, , .		10
42	Applying the Marshmallow Challenge in a research methods course: Lessons learned. , 2017, , .		1
43	Requirements Elicitation and Prototyping of a Fully Immersive Virtual Reality Gaming System for Upper Limb Stroke Rehabilitation in Saudi Arabia. Mobile Information Systems, 2017, 2017, 1-12.	0.4	10
44	A crowdsourcing web-based system for reporting predatory publishers. , 2017, , .		2
45	Blind FLM: An Enhanced Keystroke-Level Model for Visually Impaired Smartphone Interaction. Lecture Notes in Computer Science, 2017, , 155-172.	1.0	4
46	Ultra Wideband Indoor Positioning Technologies: Analysis and Recent Advances. Sensors, 2016, 16, 707.	2.1	737
47	Developing an Ultra Wideband Indoor Navigation System for Visually Impaired People. International Journal of Distributed Sensor Networks, 2016, 12, 6152342.	1.3	8
48	Design and Implementation of an NFC Food Labeler for Smart Healthcare. Communications in Computer and Information Science, 2016, , 473-478.	0.4	0
49	A heuristic checklist for usability evaluation of Saudi government mobile applications. , 2016, , .		5
50	A professional development workshop on advanced computing technologies for high and middle school teachers. , 2016, , .		1
51	Defining requirements for color-coding text software in teaching of Arabic. , 2016, , .		0
52	Enhancing web accessibility by implementing context aware proxy. International Journal of Web Information Systems, 2016, 12, 201-214.	1.3	2
53	Using app inventor 2 in a summer programming workshop: Improvements over previous years. , 2016, , .		4
54	Readability of Arabic Medicine Information Leaflets: A Machine Learning Approach. Procedia Computer Science, 2016, 82, 122-126.	1.2	6

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55	The next generation of language labs: Can mobiles help? A case study. Computers in Human Behavior, 2016, 59, 342-349.	5.1	11
56	AraSenTi: Large-Scale Twitter-Specific Arabic Sentiment Lexicons. , 2016, , .		33
57	EasyTrans: Accessible Translation System for Blind Translators. Lecture Notes in Computer Science, 2016, , 583-586.	1.0	1
58	Programming Unplugged: Bridging CS Unplugged Activities Gap for Learning Key Programming Concepts. , 2015, , .		15
59	Advancements in web accessibility evaluation methods. , 2015, , .		21
60	UWB Indoor Tracking System for Visually Impaired People. , 2015, , .		3
61	Towards accessible web browsing for visually impaired people using Google Glass. , 2015, , .		0
62	Towards Analyzing Saudi Tweets. , 2015, , .		3
63	Making Linear Equations Accessible for Visually Impaired Students Using 3D Printing. , 2015, , .		4
64	Evaluating Arabic Text-to-Speech synthesizers for mobile phones. , 2015, , .		1
65	Recent developments in data mining applications and techniques. , 2015, , .		14
66	L3MS: A Lightweight Language Learning Management System Using Mobile Web Technologies. , 2015, , .		2
67	The accessibility and usage of smartphones by Arab-speaking visually impaired people. International Journal of Pervasive Computing and Communications, 2015, 11, 418-435.	1.1	11
68	Using NAO Humanoid Robot in Kindergarten: A Proposed System. , 2015, , .		15
69	Context-Aware Computing for Persons with Disabilities. , 2015, , 328-335.		0
70	A System for Sentiment Analysis of Colloquial Arabic Using Human Computation. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	17
71	Proposed Framework for the Evaluation of Standalone Corpora Processing Systems: An Application to Arabic Corpora. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	1
72	Introduction to the special issue on Arabic NLP: Current state and future challenges. Journal of King Saud University - Computer and Information Sciences, 2014, 26, 355-356.	2.7	0

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73	Comparative Survey of Indoor Positioning Technologies, Techniques, and Algorithms. , 2014, , .		100
74	How rational are people? Economic behavior based on sentiment analysis. , 2014, , .		2
75	An Empirical Pilot Study of CAPTCHA Complexity Using Eye Tracking. , 2014, , .		0
76	Scientometric assessment of Saudi publication productivity in computer science in the period of 1978-2012. International Journal of Web Information Systems, 2014, 10, 194-208.	1.3	17
77	Towards Building Arabic Corpus For Drug Information. , 2014, , .		1
78	Soft Keyboard UX Evaluation. , 2014, , .		1
79	Subjectivity and sentiment analysis of Arabic: Trends and challenges. , 2014, , .		35
80	Heuristics for Evaluating the Usability of Mobile Launchers for Elderly People. Lecture Notes in Computer Science, 2014, , 415-424.	1.0	24
81	Observing online discussions in educational social networks: A case study. , 2014, , .		3
82	A framework for evaluating university mobile websites. Online Information Review, 2014, 38, 166-185.	2.2	25
83	Extracting Ontologies from Arabic Wikipedia: A Linguistic Approach. Arabian Journal for Science and Engineering, 2014, 39, 2749-2771.	1.1	15
84	Educational Data Mining: A Systematic Review of the Published Literature 2006-2013. Lecture Notes in Electrical Engineering, 2014, , 711-719.	0.3	15
85	Using App Inventor and LEGO mindstorm NXT in a summer camp to attract high school girls to computing fields. , 2014, , .		13
86	Making Arabic PDF books accessible using gamification. , 2014, , .		5
87	Website Design Based on Cultures: An Investigation of Saudis, Filipinos, and Indians Government Websitesâ€™ Attributes. Lecture Notes in Computer Science, 2014, , 15-27.	1.0	8
88	AraMedReader: An Arabic Medicine Identifier Using Barcodes. Communications in Computer and Information Science, 2014, , 383-388.	0.4	4
89	A First Look into MOOCs Accessibility. Lecture Notes in Computer Science, 2014, , 145-152.	1.0	30
90	Technologies Developed for Older Adults: Trends and Directions. Communications in Computer and Information Science, 2014, , 279-283.	0.4	2

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91	ACCESS: A Free and Open Source Arabic Assistive Technology Repository. Communications in Computer and Information Science, 2014, , 209-213.	0.4	0
92	What Color? A Real-time Color Identification Mobile Application for Visually Impaired People. Communications in Computer and Information Science, 2014, , 203-208.	0.4	1
93	A brief survey on corpus uses. , 2013, , .		0
94	Applying Knowledge, Skills and Abilities in undergraduate research seminar course. , 2013, , .		1
95	Increasing high school girls awareness of computer science through summer camp. , 2013, , .		2
96	Investigating accessibility problems of Arabic PDF documents. , 2013, , .		3
97	Towards classifying applications in mobile phone markets: The case of religious apps. , 2013, , .		4
98	Toward Recipes for Arabic DBpedia. , 2013, , .		5
99	Raising awareness of mobile widgets among developers. , 2013, , .		0
100	Towards the development of haptic-based interface for teaching visually impaired arabic handwriting. , 2013, , .		3
101	Proxy Service to Contextualize Web Browsing for the Visually Impaired. , 2013, , .		0
102	Evaluating the accessibility and usability of top Saudi e-government services. , 2013, , .		27
103	Teaching programming for blinds: A review. , 2013, , .		1
104	A Lightweight Approach to Semantify Saudi Open Government Data. , 2013, , .		3
105	The State of Social Media in Saudi Arabiaâ€™s Higher Education. International Journal of Technology and Educational Marketing, 2013, 3, 65-76.	0.1	32
106	The E-training Caravans: An e-Inclusion Initiative in Saudi Arabia. Communications in Computer and Information Science, 2013, , 183-187.	0.4	0
107	Introducing mobile widgets development in an advanced web technologies course. , 2012, , .		1
108	Makhtota+. , 2012, , .		5

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109	Exploring social media usage in Saudi e-government websites. , 2012, , .		7
110	On the evaluation of linguistic ontological models: An application on the SemQ ontology. , 2012, , .		1
111	The localization of CS4HS workshop for serving national computing curriculum. , 2012, , .		2
112	Design considerations for the localization of arabic e-commerce websites. , 2012, , .		6
113	Touch-Based Mobile Phone Interface Guidelines and Design Recommendations for Elderly People: A Survey of the Literature. Lecture Notes in Computer Science, 2012, , 568-574.	1.0	48
114	A first step towards understanding Saudi political activities on Twitter. International Journal of Web Information Systems, 2012, 8, 390-400.	1.3	6
115	Emerging URL Patterns in Mobile Websites: A Preliminary Results. Procedia Computer Science, 2012, 10, 952-959.	1.2	1
116	Developing Interactive Quizzes Using LAYAR(TM) Augmented Reality: Lessons Learned. , 2012, , .		1
117	A first approach to the evaluation of arabic diacritization systems. , 2012, , .		6
118	Exploring the problems of sentiment analysis in informal Arabic. , 2012, , .		18
119	An initial comparative study of Arabic speech synthesis engines in iOS and Android. , 2012, , .		3
120	The accessibility of Saudi Arabia government Web sites: an exploratory study. Universal Access in the Information Society, 2012, 11, 201-210.	2.1	42
121	LEXI: A Semantic Tool to Enrich Lexical Competence of Language Learners. , 2011, , .		0
122	Al-Baseet: A proposed simplification authoring tool for the Arabic language. , 2011, , .		5
123	Incorporating the Prisoners' Dilemma in Peer-Assessment: An Experimental Study. , 2011, , .		0
124	An experimental system for measuring the credibility of news content in Twitter. International Journal of Web Information Systems, 2011, 7, 130-151.	1.3	56
125	Exploiting Arabic Wikipedia for automatic ontology generation: A proposed approach. , 2011, , .		9
126	A proposed sentiment analysis tool for modern Arabic using human-based computing. , 2011, , .		28

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127	An M-Learning System Based on Mobile Phones and Quick Response Codes. Journal of Computer Science, 2011, 7, 427-430.	0.5	4
128	A proposed semantic machine translation system for translating Arabic text to Arabic sign language. , 2011, , .		11
129	An educational tool for generating inaccessible page examples based on WCAG 2.0 failures. , 2011, , .		4
130	A proposed indoor navigation system for blind individuals. , 2011, , .		11
131	Integrating mobile web development into IT curriculum. , 2011, , .		3
132	Development of mobile government websites. , 2011, , .		6
133	Sentence Boundary Detection in Colloquial Arabic Text: A Preliminary Result. , 2011, , .		6
134	The Effect of Arabic Language on Reading English for Arab EFL Learners: An Eye Tracking Study. , 2011, , .		2
135	A pilot study for evaluating Arabic websites using automated WCAG 2.0 evaluation tools. , 2011, , .		9
136	On the implementation of text to Arabic Sign Language converter on mobile phones. Technology and Disability, 2011, 23, 65-74.	0.3	3
137	Towards improving machine translation using user generated content. , 2011, , .		0
138	Automatic Generation of Semantic Features and Lexical Relations Using OWL Ontologies. Lecture Notes in Computer Science, 2011, , 15-26.	1.0	3
139	Exploring political activities in the Saudi Twitterverse. , 2011, , .		2
140	On the Development of a Web-Based M-Learning System for Dual Screen Handheld Game Consoles. International Journal of Interactive Mobile Technologies, 2011, 5, 4.	0.7	0
141	Introducing Islamic history with an Arabic adaptive web-based information system. , 2010, , .		0
142	An approach to compare two ontological models for representing quranic words. , 2010, , .		3
143	Building ontological models from Arabic Wikipedia. , 2010, , .		2
144	Overcoming gender segregation in service learning projects. , 2010, , .		2

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145	Heuristic evaluation of the usability of e-government websites. , 2010, , .		17
146	Exploring the accessibility of Saudi Arabia e-government websites. , 2010, , .		8
147	An ontological model for representing computational lexicons a componential based approach. , 2010, , .		5
148	Measuring the credibility of Arabic text content in Twitter. , 2010, , .		20
149	Introducing Arabic Sign Language for Mobile Phones. Lecture Notes in Computer Science, 2010, , 213-220.	1.0	8
150	Towards the measurement of Arabic Weblogs credibility automatically. , 2009, , .		5
151	SemQ: A proposed framework for representing semantic opposition in the Holy Quran using Semantic Web technologies. , 2009, , .		22
152	A framework for integrating usability evaluations methods: The Mawhiba web portal case study. , 2009, , .		10
153	AraTation. , 2009, , .		17
154	Coping with current web evolution: The miniconference approach. , 2009, , .		0
155	Mobile SRS: A classroom communication and assessment service. , 2008, , .		2
156	Utilizing QR Code and Mobile Phones for Blinds and Visually Impaired People. Lecture Notes in Computer Science, 2008, , 1065-1069.	1.0	59
157	Towards a better understanding of the it program at a female saudi university. , 2008, , .		3
158	Towards the development of an automatic readability measurements for arabic language. , 2008, , .		20
159	Exploring the factors of online engagement in the era of Web 2.0: An experimental approach. , 2008, , .		0
160	Building an Arabic learning object repository with an ad hoc recommendation engine. , 2008, , .		13
161	Towards better understanding of folksonomic patterns. , 2007, , .		17
162	Replacing the Monolithic LOM: A Folksonomic Approach. , 2007, , .		5

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163	CoolRank: A Social Solution for Ranking Bookmarked Web Resources. , 2007, , .		0
164	Exploring the Value of Folksonomies for Creating Semantic Metadata. International Journal on Semantic Web and Information Systems, 2007, 3, 12-38.	2.2	23
165	FAsTA: A Folksonomy-Based Automatic Metadata Generator. Lecture Notes in Computer Science, 2007, , 414-419.	1.0	2
166	Delicious Learning Resources. , 2007, , 139-143.		1
167	Measuring the Semantic Value of Folksonomies. , 2006, , .		17
168	The evolution of metadata from standards to semantics in E-learning applications. , 2006, , .		45
169	FolksAnnotation: A Semantic Metadata Tool for Annotating Learning Resources Using Folksonomies and Domain Ontologies. , 2006, , .		16
170	Towards a computerized Arabic Braille environment. Software - Practice and Experience, 2003, 33, 497-508.	2.5	9
171	Reading Process of Arab Children: An Eye-Tracking Study on Saudi Elementary Students. International Journal of Asian Language Processing, 0, , 2150003.	0.3	0