Hend S Al-Khalifa

List of Publications by Year
in descending order

171	2,504	430442	288905
papers	citations	18 h-index	40 g-index

178	178	178	2231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultra Wideband Indoor Positioning Technologies: Analysis and Recent Advances. Sensors, 2016, 16, 707.	2.1	737
2	Comparative Survey of Indoor Positioning Technologies, Techniques, and Algorithms. , 2014, , .		100
3	AraSenTi-Tweet: A Corpus for Arabic Sentiment Analysis of Saudi Tweets. Procedia Computer Science, 2017, 117, 63-72.	1.2	89
4	Utilizing QR Code and Mobile Phones for Blinds and Visually Impaired People. Lecture Notes in Computer Science, 2008, , 1065-1069.	1.0	59
5	A Deep Learning Approach for Automatic Hate Speech Detection in the Saudi Twittersphere. Applied Sciences (Switzerland), 2020, 10, 8614.	1.3	59
6	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
7	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
8	The evolution of metadata from standards to semantics in E-learning applications. , 2006, , .		45
9	Revisiting the accessibility of Saudi Arabia government websites. Universal Access in the Information Society, 2017, 16, 1027-1039.	2.1	45
10	The accessibility of Saudi Arabia government Web sites: an exploratory study. Universal Access in the Information Society, 2012, 11, 201-210.	2.1	42
11	A Review of Wrist-Worn Wearable: Sensors, Models, and Challenges. Journal of Sensors, 2018, 2018, 1-20.	0.6	41
12	Detection of Hate Speech in COVID-19â€“Related Tweets in the Arab Region: Deep Learning and Topic Modeling Approach. Journal of Medical Internet Research, 2020, 22, e22609.	2.1	39
13	Subjectivity and sentiment analysis of Arabic: Trends and challenges. , 2014, , .		35
14	BERT for Arabic Topic Modeling: An Experimental Study on BERTopic Technique. Procedia Computer Science, 2021, 189, 191-194.	1.2	34
15	AraSenTi: Large-Scale Twitter-Specific Arabic Sentiment Lexicons. , 2016, , .		33
16	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
17	Arabic Fake News Detection: Comparative Study of Neural Networks and Transformer-Based Approaches. Complexity, 2021, 2021, 1-10.	0.9	31
18	A First Look into MOOCs Accessibility. Lecture Notes in Computer Science, 2014, , 145-152.	1.0	30

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19	A proposed sentiment analysis tool for modern Arabic using human-based computing. , 2011, , .		28
20	Evaluating the accessibility and usability of top Saudi e-government services. , 2013, , .		27
21	A panoramic survey of natural language processing in the Arab world. Communications of the ACM, 2021, 64, 72-81.	3.3	26
22	A framework for evaluating university mobile websites. Online Information Review, 2014, 38, 166-185.	2.2	25
23	Heuristics for Evaluating the Usability of Mobile Launchers for Elderly People. Lecture Notes in Computer Science, 2014, , 415-424.	1.0	24
24	Exploring the Value of Folksonomies for Creating Semantic Metadata. International Journal on Semantic Web and Information Systems, 2007, 3, 12-38.	2.2	23
25	SemQ: A proposed framework for representing semantic opposition in the Holy Quran using Semantic Web technologies. , 2009, , .		22
26	Advancements in web accessibility evaluation methods. , 2015, , .		21
27	Towards the development of an automatic readability measurements for arabic language. , 2008, , .		20
28	Measuring the credibility of Arabic text content in Twitter. , 2010, , .		20
29	CHEMOTION: A gesture based chemistry virtual laboratory with leap motion. Computer Applications in Engineering Education, 2017, 25, 961-976.	2.2	19
30	Deep-Learning-Based Models for Pain Recognition: A Systematic Review. Applied Sciences (Switzerland), 2020, 10, 5984.	1.3	19
31	Exploring the problems of sentiment analysis in informal Arabic. , 2012, , .		18
32	Measuring the Semantic Value of Folksonomies. , 2006, , .		17
33	Towards better understanding of folksonomic patterns. , 2007, , .		17
34	AraTation. , 2009, , .		17
35	Heuristic evaluation of the usability of e-government websites. , 2010, , .		17
36	A System for Sentiment Analysis of Colloquial Arabic Using Human Computation. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	17

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37	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
38	FolksAnnotation: A Semantic Metadata Tool for Annotating Learning Resources Using Folksonomies and Domain Ontologies. , 2006, , .		16
39	Extracting Ontologies from Arabic Wikipedia: A Linguistic Approach. Arabian Journal for Science and Engineering, 2014, 39, 2749-2771.	1.1	15
40	Educational Data Mining: A Systematic Review of the Published Literature 2006-2013. Lecture Notes in Electrical Engineering, 2014, , 711-719.	0.3	15
41	Programming Unplugged: Bridging CS Unplugged Activities Gap for Learning Key Programming Concepts. , 2015, , .		15
42	Using NAO Humanoid Robot in Kindergarten: A Proposed System. , 2015, , .		15
43	Recent developments in data mining applications and techniques. , 2015, , .		14
44	Using App Inventor and LEGO mindstorm NXT in a summer camp to attract high school girls to computing fields. , 2014, , .		13
45	Teaching Programming to Students with Vision Impairment: Impact of Tactile Teaching Strategies on Studentâ€™s Achievements and Perceptions. Sustainability, 2020, 12, 5320.	1.6	13
46	Building an Arabic learning object repository with an ad hoc recommendation engine. , 2008, , .		13
47	RabbitRun: An Immersive Virtual Reality Game for Promoting Physical Activities Among People with Low Back Pain. Technologies, 2019, 7, 2.	3.0	12
48	A proposed semantic machine translation system for translating Arabic text to Arabic sign language. , 2011, , .		11
49	A proposed indoor navigation system for blind individuals. , 2011, , .		11
50	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
51	The next generation of language labs: Can mobiles help? A case study. Computers in Human Behavior, 2016, 59, 342-349.	5.1	11
52	A framework for integrating usability evaluations methods: The Mawhiba web portal case study. , 2009, , .		10
53	Exploring NLP web APIs for building Arabic systems. , 2017, , .		10
54	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

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55	A Proposed Arabic Grammatical Error Detection Tool Based on Deep Learning. Procedia Computer Science, 2018, 142, 352-355.	1.2	10
56	Towards a computerized Arabic Braille environment. Software - Practice and Experience, 2003, 33, 497-508.	2.5	9
57	Exploiting Arabic Wikipedia for automatic ontology generation: A proposed approach. , 2011, , .		9
58	A pilot study for evaluating Arabic websites using automated WCAG 2.0 evaluation tools. , 2011, , .		9
59	Error Detection for Arabic Text Using Neural Sequence Labeling. Applied Sciences (Switzerland), 2020, 10, 5279.	1.3	9
60	Exploring the accessibility of Saudi Arabia e-government websites. , 2010, , .		8
61	Developing an Ultra Wideband Indoor Navigation System for Visually Impaired People. International Journal of Distributed Sensor Networks, 2016, 12, 6152342.	1.3	8
62	SynoExtractor: A Novel Pipeline for Arabic Synonym Extraction Using Word2Vec Word Embeddings. Complexity, 2021, 2021, 1-13.	0.9	8
63	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
64	Introducing Arabic Sign Language for Mobile Phones. Lecture Notes in Computer Science, 2010, , 213-220.	1.0	8
65	Exploring social media usage in Saudi e-government websites. , 2012, , .		7
66	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
67	Development of mobile government websites. , 2011, , .		6
68	Sentence Boundary Detection in Colloquial Arabic Text: A Preliminary Result. , 2011, , .		6
69	Design considerations for the localization of arabic e-commerce websites. , 2012, , .		6
70	A first step towards understanding Saudi political activities on Twitter. International Journal of Web Information Systems, 2012, 8, 390-400.	1.3	6
71	A first approach to the evaluation of arabic diacritization systems. , 2012, , .		6
72	Readability of Arabic Medicine Information Leaflets: A Machine Learning Approach. Procedia Computer Science, 2016, 82, 122-126.	1.2	6

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73	Readability of written medicine information materials in Arabic language: expert and consumer evaluation. BMC Health Services Research, 2018, 18, 139.	0.9	6
74	Move-IT: A Virtual Reality Game for Upper Limb Stroke Rehabilitation Patients. Lecture Notes in Computer Science, 2020, , 184-195.	1.0	6
75	Replacing the Monolithic LOM: A Folksonomic Approach. , 2007, , .		5
76	Towards the measurement of Arabic Weblogs credibility automatically. , 2009, , .		5
77	An ontological model for representing computational lexicons a componential based approach. , 2010, , .		5
78	Al-Baseet: A proposed simplification authoring tool for the Arabic language. , 2011, , .		5
79	Makhtota+. , 2012, , .		5
80	Toward Recipes for Arabic DBpedia. , 2013, , .		5
81	Making Arabic PDF books accessible using gamification. , 2014, , .		5
82	A heuristic checklist for usability evaluation of Saudi government mobile applications. , 2016, , .		5
83	Comparative Analysis of Nine Arabic Stemmers on Microblog Information Retrieval. , 2020, , .		5
84	An M-Learning System Based on Mobile Phones and Quick Response Codes. Journal of Computer Science, 2011, 7, 427-430.	0.5	4
85	An educational tool for generating inaccessible page examples based on WCAG 2.0 failures. , 2011, , .		4
86	Towards classifying applications in mobile phone markets: The case of religious apps. , 2013, , .		4
87	Making Linear Equations Accessible for Visually Impaired Students Using 3D Printing. , 2015, , .		4
88	Using app inventor 2 in a summer programming workshop: Improvements over previous years. , 2016, , .		4
89	Basma: An Interactive IoT-Based Plush Toy for Arabic-Speaking Children. Journal of Computer Science, 2018, 14, 1440-1453.	0.5	4
90	A Proposed Game for Promoting Physical Activities among People with Low Back Pain using Virtual Reality. , 2018, , .		4

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91	AraMedReader: An Arabic Medicine Identifier Using Barcodes. Communications in Computer and Information Science, 2014, , 383-388.	0.4	4
92	Blind FLM: An Enhanced Keystroke-Level Model for Visually Impaired Smartphone Interaction. Lecture Notes in Computer Science, 2017, , 155-172.	1.0	4
93	Towards a better understanding of the it program at a female saudi university. , 2008, , .		3
94	An approach to compare two ontological models for representing quranic words. , 2010, , .		3
95	Integrating mobile web development into IT curriculum. , 2011, , .		3
96	On the implementation of text to Arabic Sign Language converter on mobile phones. Technology and Disability, 2011, 23, 65-74.	0.3	3
97	Automatic Generation of Semantic Features and Lexical Relations Using OWL Ontologies. Lecture Notes in Computer Science, 2011, , 15-26.	1.0	3
98	An initial comparative study of Arabic speech synthesis engines in iOS and Android. , 2012, , .		3
99	Investigating accessibility problems of Arabic PDF documents. , 2013, , .		3
100	Towards the development of haptic-based interface for teaching visually impaired arabic handwriting. , 2013, , .		3
101	A Lightweight Approach to Semantify Saudi Open Government Data. , 2013, , .		3
102	Observing online discussions in educational social networks: A case study. , 2014, , .		3
103	UWB Indoor Tracking System for Visually Impaired People. , 2015, , .		3
104	Towards Analyzing Saudi Tweets. , 2015, , .		3
105	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
106	Mobile SRS: A classroom communication and assessment service. , 2008, , .		2
107	Building ontological models from Arabic Wikipedia. , 2010, , .		2
108	Overcoming gender segregation in service learning projects. , 2010, , .		2

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109	The Effect of Arabic Language on Reading English for Arab EFL Learners: An Eye Tracking Study. , 2011, , .		2
110	Exploring political activities in the Saudi Twitterverse. , 2011, , .		2
111	The localization of CS4HS workshop for serving national computing curriculum. , 2012, , .		2
112	Increasing high school girls awareness of computer science through summer camp. , 2013, , .		2
113	How rational are people? Economic behavior based on sentiment analysis. , 2014, , .		2
114	L3MS: A Lightweight Language Learning Management System Using Mobile Web Technologies. , 2015, , .		2
115	Enhancing web accessibility by implementing context aware proxy. International Journal of Web Information Systems, 2016, 12, 201-214.	1.3	2
116	A crowdsourcing web-based system for reporting predatory publishers. , 2017, , .		2
117	Rejuvenation of the IT Program at King Saud University. , 2018, , .		2
118	A System for Decoding and Coloring Arabic Text for Language Learners. IEEE Access, 2019, 7, 104810-104822.	2.6	2
119	Teaching Mobile Application Development in 20 Hours for High School Girls: A Web-Based Approach. , 2019, , .		2
120	A7×³ta: Data on a monolingual Arabic parallel corpus for grammar checking. Data in Brief, 2019, 22, 237-240.	0.5	2
121	A Framework for Enhancing Big Data Integration in Biological Domain Using Distributed Processing. Applied Sciences (Switzerland), 2020, 10, 7092.	1.3	2
122	Accessibility Evaluation of Saudi E-Government Systems for Teachers: A Visually Impaired Userâ€™s Perspective. Applied Sciences (Switzerland), 2020, 10, 7528.	1.3	2
123	FAsTA: A Folksonomy-Based Automatic Metadata Generator. Lecture Notes in Computer Science, 2007, , 414-419.	1.0	2
124	Technologies Developed for Older Adults: Trends and Directions. Communications in Computer and Information Science, 2014, , 279-283.	0.4	2
125	Introducing mobile widgets development in an advanced web technologies course. , 2012, , .		1
126	On the evaluation of linguistic ontological models: An application on the SemQ ontology. , 2012, , .		1

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127	Emerging URL Patterns in Mobile Websites: A Preliminary Results. Procedia Computer Science, 2012, 10, 952-959.	1.2	1
128	Developing Interactive Quizzes Using LAYAR(TM) Augmented Reality: Lessons Learned. , 2012, , .		1
129	Applying Knowledge, Skills and Abilities in undergraduate research seminar course. , 2013, , .		1
130	Teaching programming for blinds: A review. , 2013, , .		1
131	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
132	Towards Building Arabic Corpus For Drug Information. , 2014, , .		1
133	Soft Keyboard UX Evaluation. , 2014, , .		1
134	Evaluating Arabic Text-to-Speech synthesizers for mobile phones. , 2015, , .		1
135	A professional development workshop on advanced computing technologies for high and middle school teachers. , 2016, , .		1
136	Applying the Marshmallow Challenge in a research methods course: Lessons learned. , 2017, , .		1
137	Grammatical Error Checking Systems: A Review of Approaches and Emerging Directions. , 2018, , .		1
138	UMSG: An Extended Model to Investigate the Use of Mobile Social Games. IEEE Access, 2019, 7, 80277-80286.	2.6	1
139	HealthSEA: Towards Improving the Search Engine of KAAHE Arabic Health Encyclopedia. , 2019, , .		1
140	Grammar checking and relation extraction in text: approaches, techniques and open challenges. Data Technologies and Applications, 2019, 53, 373-394.	0.9	1
141	Cognitively Driven Arabic Text Readability Assessment Using Eye-Tracking. Applied Sciences (Switzerland), 2021, 11, 8607.	1.3	1
142	Haptics-Based Systems Characteristics, Classification, and Applications. , 2018, , 4652-4665.		1
143	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
144	EasyTrans: Accessible Translation System for Blind Translators. Lecture Notes in Computer Science, 2016, , 583-586.	1.0	1

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145	Delicious Learning Resources. , 2007, , 139-143.		1
146	An Exploratory Study to Extract Analogies from Arabic Text. , 2021, , .		1
147	CoolRank: A Social Solution for Ranking Bookmarked Web Resources. , 2007, , .		0
148	Exploring the factors of online engagement in the era of Web 2.0: An experimental approach. , 2008, , .		0
149	Coping with current web evolution: The miniconference approach. , 2009, , .		0
150	Introducing Islamic history with an Arabic adaptive web-based information system. , 2010, , .		0
151	LEXI: A Semantic Tool to Enrich Lexical Competence of Language Learners. , 2011, , .		0
152	Incorporating the Prisoners' Dilemma in Peer-Assessment: An Experimental Study. , 2011, , .		0
153	Towards improving machine translation using user generated content. , 2011, , .		0
154	A brief survey on corpus uses. , 2013, , .		0
155	Raising awareness of mobile widgets among developers. , 2013, , .		0
156	Proxy Service to Contextualize Web Browsing for the Visually Impaired. , 2013, , .		0
157	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
158	An Empirical Pilot Study of CAPTCHA Complexity Using Eye Tracking. , 2014, , .		0
159	Towards accessible web browsing for visually impaired people using Google Glass. , 2015, , .		0
160	Design and Implementation of an NFC Food Labeler for Smart Healthcare. Communications in Computer and Information Science, 2016, , 473-478.	0.4	0
161	Defining requirements for color-coding text software in teaching of Arabic. , 2016, , .		0
162	Evolution of Linked Data Application Domains From 2009 to 2015. International Journal of Technology Diffusion, 2018, 9, 1-20.	0.2	0

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163	Named Entity Recognition Using Word-Embedding Techniques for ArabicWeb16: An Empirical Study. , 2018, , .		0
164	Reading Process of Arab Children: An Eye-Tracking Study on Saudi Elementary Students. International Journal of Asian Language Processing, 0, , 2150003.	0.3	0
165	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
166	The E-training Caravans: An e-Inclusion Initiative in Saudi Arabia. Communications in Computer and Information Science, 2013, , 183-187.	0.4	0
167	ACCESS: A Free and Open Source Arabic Assistive Technology Repository. Communications in Computer and Information Science, 2014, , 209-213.	0.4	0
168	Context-Aware Computing for Persons with Disabilities. , 2015, , 328-335.		0
169	Blind FLM Web-Based Tools forÂKeystroke-Level Predictive Assessment of Visually Impaired Smartphone Interaction. Lecture Notes in Computer Science, 2018, , 338-342.	1.0	0
170	Improving Arabic Microblog Retrieval with Distributed Representations. Lecture Notes in Computer Science, 2020, , 185-194.	1.0	0
171	Qillah: A Morphological Extension for Identifying Plural-of-Paucity Arabic Words. International Journal of Asian Language Processing, 2020, 30, 2050013.	0.3	0