

Athula Ginige

List of Publications by Year in descending order

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118
papers

1,063
citations

858243

12
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620720

26
g-index

119
all docs

119
docs citations

119
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a Usable Ontology: The Identification of Quality Characteristics for an Ontology-Driven Decision Support System. IEEE Access, 2022, 10, 12889-12912.	2.6	3
2	Smart Agricultural Futures Market: Blockchain Technology as a Trust Enabler between Smallholder Farmers and Buyers. Sustainability, 2022, 14, 2916.	1.6	10
3	Ontology Quality Evaluation Methodology. Lecture Notes in Computer Science, 2022, , 509-528.	1.0	1
4	Analysis of Ontology Quality Dimensions, Criteria and Metrics. Lecture Notes in Computer Science, 2021, , 320-337.	1.0	6
5	Digitally-Enabled Crop Disorder Management Process Based on Farmer Empowerment for Improved Outcomes: A Case Study from Sri Lanka. Sustainability, 2021, 13, 7823.	1.6	2
6	Analysis of information quality for a usable information system in agriculture domain: a study in the Sri Lankan context. Procedia Computer Science, 2021, 184, 346-355.	1.2	4
7	Technology-enabled online aggregated market for smallholder farmers to obtain enhanced farm-gate prices. , 2021, , .		1
8	An Ontological Clinical Decision Support System Based on Clinical Guidelines for Diabetes Patients in Sri Lanka. Healthcare (Switzerland), 2020, 8, 573.	1.0	7
9	Towards Trust Enabled Commodity Market for Farmers with Blockchain Smart Contracts. , 2020, , .		4
10	Farmers as Sensors: A Crowdsensing Platform to Generate Agricultural Pest Incidence Reports. , 2019, , .		3
11	A Framework To Generate Actionable Information For Mobile Based Information System That Empowers Users To Self-Manage Type 2 Diabetes. , 2019, , .		1
12	A Smart Computing Framework Centered on User and Societal Empowerment to Achieve the Sustainable Development Goals. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 158-172.	0.2	2
13	User Needs-driven Enrichment of Ontology. , 2019, , .		2
14	Enhancing Agricultural Sustainability through Crowdsensing: A Smart Computing Approach. Journal of Advanced Agricultural Technologies, 2019, 6, 161-165.	0.2	6
15	Enabling the generation of web applications from mockups. Software - Practice and Experience, 2018, 48, 945-973.	2.5	5
16	Towards formation of dynamic value chains to enhance competitiveness of commercial lighting industry. Journal of Information Communication and Ethics in Society, 2018, 16, 427-444.	1.0	0
17	Framework for enhancing online working-together relations. Journal of Information Communication and Ethics in Society, 2018, 16, 357-380.	1.0	1
18	Extending a Conventional Chatbot Knowledge Base to External Knowledge Source and Introducing User Based Sessions for Diabetes Education. , 2018, , .		32

#	ARTICLE	IF	CITATIONS
19	Towards a User-Friendly Solution for Collaboratively Managing a Developed Ontology. Lecture Notes in Computer Science, 2018, , 103-119.	1.0	0
20	A Semi-automatic Approach to Collaboratively Populate an Ontology for Ontology-Illiterate Users. Lecture Notes in Computer Science, 2018, , 120-135.	1.0	0
21	Smart Nutrition Monitoring System Using Heterogeneous Internet of Things Platform. Lecture Notes in Computer Science, 2018, , 63-74.	1.0	9
22	Event Detection over Continuous Data Stream for the Sustainable Growth in Agriculture Context. Lecture Notes in Computer Science, 2018, , 575-588.	1.0	2
23	Extending DSR with Sub Cycles to Develop a Digital Knowledge Ecosystem for Coordinating Agriculture Domain in Developing Countries. Lecture Notes in Computer Science, 2018, , 268-282.	1.0	3
24	Adherence, Avatars and Where to From Here. Studies in Health Technology and Informatics, 2018, 252, 45-50.	0.2	4
25	Social Computing: New Pervasive Computing Paradigm to Enhance Triple Bottom Line. Lecture Notes in Computer Science, 2017, , 656-671.	1.0	2
26	Harnessing Mobile Pervasive Computing to Enhance Livelihood Processes: Farmer Response to a Mobile Agriculture Information System. Lecture Notes in Computer Science, 2017, , 641-655.	1.0	3
27	Digital Knowledge Ecosystem for Empowering Users to Self-manage Diabetes Through Context Specific Actionable Information. Lecture Notes in Computer Science, 2017, , 672-684.	1.0	5
28	Creating Territorial Intelligence Through a Digital Knowledge Ecosystem: A Way to Actualize Farmer Empowerment. Lecture Notes in Computer Science, 2017, , 98-111.	1.0	1
29	Design Approaches Emerging in Developing an Agricultural Ontology for Sri Lankan Farmers. Lecture Notes in Computer Science, 2017, , 743-758.	1.0	0
30	System Engineering - Is IT Relevant to Brunei. ASEAN Journal on Science and Technology for Development, 2017, 4, 1.	0.2	0
31	Simulating Human Carer with an Avatar to Improve Medication Adherence. Studies in Health Technology and Informatics, 2017, 239, 35-40.	0.2	0
32	Digital Knowledge Ecosystem for Achieving Sustainable Agriculture Production: A Case Study from Sri Lanka. , 2016, , .		20
33	Towards the design of an electronic health book for Sri Lankan children. , 2016, , .		0
34	Using Persuasive Mobile Apps to Enhance Children's Health and Well Being. , 2016, , .		2
35	Training emergency responders through augmented reality mobile interfaces. Multimedia Tools and Applications, 2016, 75, 9609-9622.	2.6	32
36	Ontology Evaluation Approaches: A Case Study from Agriculture Domain. Lecture Notes in Computer Science, 2016, , 318-333.	1.0	13

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37	Interplay of Requirements Engineering and Human Computer Interaction Approaches in the Evolution of a Mobile Agriculture Information System. Lecture Notes in Computer Science, 2016, , 135-159.	1.0	10
38	Digital Knowledge Ecosystem to Reduce Uncertainty and Coordination Failure in Agricultural Markets - Study of "Govi Nena" Mobile-Based Information System. Agribusiness and Information Management, 2016, 8, 11-16.	0.1	1
39	Towards a generic model for social computing and emergent characteristics. , 2015, , .		2
40	A Tool Supporting End-User Development of Access Control in Web Applications. International Journal of Software Engineering and Knowledge Engineering, 2015, 25, 307-331.	0.6	12
41	User centered ontology for Sri Lankan farmers. Ecological Informatics, 2015, 26, 140-150.	2.3	36
42	Combining personal diaries with territorial intelligence to empower diabetic patients. Journal of Visual Languages and Computing, 2015, 29, 1-14.	1.8	28
43	A Framework for End-to-End Ontology Management System. Lecture Notes in Computer Science, 2015, , 529-544.	1.0	5
44	Overcoming the Digital Divide in Europe: Let's Learn from Emerging Countries!. Lecture Notes in Information Systems and Organisation, 2015, , 209-220.	0.4	0
45	The Use of Augmented Reality Interfaces for On-site Crisis Preparedness. Lecture Notes in Computer Science, 2015, , 136-147.	1.0	0
46	Supporting Access Control within a Mockup-based EUDWeb Environment. , 2014, , .		1
47	User centered ontology for Sri Lankan agriculture domain. , 2014, , .		4
48	Design science research based blended approach for usability driven requirements gathering and application development. , 2014, , .		4
49	Information Sharing Among Disaster Responders - An Interactive Spreadsheet-Based Collaboration Approach. Computer Supported Cooperative Work, 2014, 23, 547-583.	1.9	30
50	Conceptualizing Crop Life Cycle Events to Create a User Centered Ontology for Farmers. Lecture Notes in Computer Science, 2014, , 791-806.	1.0	10
51	Proposed Business Model for SME Farmers in Peri-Urban Sydney Region. , 2014, , .		3
52	Task Oriented Context Models for Social Life Networks. Communications in Computer and Information Science, 2014, , 306-321.	0.4	2
53	Task Oriented Context Models for Social Life Networks. Communications in Computer and Information Science, 2014, , 306-321.	0.4	4
54	Building Social Life Networks Through Mobile Interfaces: The Case Study of Sri Lanka Farmers. Lecture Notes in Information Systems and Organisation, 2013, , 399-408.	0.4	8

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55	An Ontological Approach to Meet Information Needs of Farmers in Sri Lanka. Lecture Notes in Computer Science, 2013, , 228-240.	1.0	19
56	Farmer Response towards the Initial Agriculture Information Dissemination Mobile Prototype. Lecture Notes in Computer Science, 2013, , 264-278.	1.0	17
57	Visually modelling data intensive web applications to assist end-user development. , 2013, , .		8
58	Architecture for Social Life Network to Empower People at the Middle of the Pyramid. Lecture Notes in Business Information Processing, 2013, , 108-119.	0.8	6
59	Spatial data and mobile applications. , 2012, , .		8
60	Forward by the co-chairs. , 2012, , .		0
61	User centered scenario based approach for developing mobile interfaces for Social Life Networks. , 2012, , .		15
62	ICT for Small to Medium Enterprises: Focus on Usability for a Web-Based Spreadsheet Mediated Collaboration Environment. , 2012, , 181-188.		3
63	A Holistic Mobile based Information System to Enhance Farming Activities in Sri Lanka. , 2012, , .		4
64	eT Guide - Assisting The eTransformation Journey: A Case Study Approach. The International Journal on Advances in ICT for Emerging Regions, 2012, 4, 39.	0.2	0
65	Towards next generation mobile applications for MOPS: Investigating emerging patterns to derive future requirements. , 2011, , .		6
66	The Framy user interface for visually-impaired users. , 2011, , .		7
67	Message from the conference chair. , 2011, , .		0
68	User requirements for a web based spreadsheet-mediated collaboration. , 2010, , .		6
69	A case study approach: eT Guide - assisting the eTransformation journey. , 2010, , .		0
70	A Collaborative Environment for Spreadsheet-Based Activities. , 2010, , .		3
71	Blended Clustering for Health Data Mining. International Federation for Information Processing, 2010, , 130-137.	0.4	1
72	Bridging the Gaps between eTransforming SMEs and SME - ICT Providers. International Federation for Information Processing, 2010, , 61-69.	0.4	1

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73	Etransformation guide: An online system for SMEs. , 2009, , .		5
74	An Algorithm for Propagating-Impact Analysis of Process Evolutions. Lecture Notes in Business Information Processing, 2009, , 153-164.	0.8	2
75	Study of Using the Meta-model Based Meta-design Paradigm for Developing and Maintaining Web Applications. Lecture Notes in Business Information Processing, 2009, , 304-314.	0.8	2
76	A Tool to Support End-User Development of Web Applications Based on a Use Case Model. Lecture Notes in Computer Science, 2009, , 527-530.	1.0	1
77	Facilitating Inter-organisational Collaboration via Flexible Sharing of Rapidly Developed Web Applications. Lecture Notes in Business Information Processing, 2009, , 53-64.	0.8	0
78	Dimensions of eTransformation. , 2008, , .		3
79	A Roadmap, Methodology and Technology Framework to support eTransformation. , 2008, , .		2
80	A survey on web modeling approaches for ubiquitous web applications. International Journal of Web Information Systems, 2008, 4, 234-305.	1.3	42
81	Aspect Based Conceptual Modelling of Web Applications. Lecture Notes in Business Information Processing, 2008, , 123-134.	0.8	2
82	Aspects Based Modeling of Web Applications to Support Co-evolution. Communications in Computer and Information Science, 2008, , 283-293.	0.4	0
83	Smart Business Objects for Web Applications: A New Approach to Model Business Objects. Communications in Computer and Information Science, 2008, , 307-322.	0.4	5
84	CAD model of Process Elements: Towards Effective Management of Process Evolution in Web-based Workflows. , 2007, , .		1
85	Facilitating Agile Model Driven Development and End-User Development for Evolving Web-based Workflow Applications. , 2007, , .		2
86	Challenges and Solutions in Process Automation in Tertiary Education Institutes: An Australian Case Study. , 2007, , .		2
87	A personalized query expansion approach using context. , 2007, , .		5
88	System Level Analysis of How Businesses Adjust to Changing Environment in the Digital Eco-System. , 2007, , .		4
89	A Domain Identification Algorithm for Personalised Query Expansion with Contextual Information. , 2007, , .		2
90	CBEADSÂ©: A Framework to Support Meta-design Paradigm. Lecture Notes in Computer Science, 2007, , 107-116.	1.0	12

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91	Meta-model to Support End-User Development of Web Based Business Information Systems. Lecture Notes in Computer Science, 2007, , 248-253.	1.0	4
92	Smart Tools to Support Meta-design Paradigm for Developing Web Based Business Applications. Lecture Notes in Computer Science, 2007, , 521-525.	1.0	3
93	A Mechanism for Efficient Management of Changes in BPEL based Business Processes: An Algebraic Methodology. , 2006, , .		5
94	Sharing information on the web using bitlets. , 2006, , .		1
95	Framework for Collaborative Web Applications. Lecture Notes in Computer Science, 2005, , 539-544.	1.0	4
96	Towards End User Development of Web Applications for SMEs: A Component Based Approach. Lecture Notes in Computer Science, 2005, , 489-499.	1.0	12
97	Web Engineering. , 2005, , 1-30.		18
98	Application of e-business strategies for SMEs in developing countries. , 2004, , .		6
99	Effective Indexing of Web Images with Keyword Positioning. Lecture Notes in Computer Science, 2004, , 883-886.	1.0	1
100	Web site auditing. , 2002, , .		6
101	Web engineering. , 2002, , .		37
102	NEW PARADIGM FOR DEVELOPING EVOLUTIONARY SOFTWARE TO SUPPORT E-BUSINESS. , 2002, , 711-725.		8
103	Web Engineering: a New Discipline for Development of Web-Based Systems. Lecture Notes in Computer Science, 2001, , 3-13.	1.0	70
104	Web engineering: an introduction. IEEE MultiMedia, 2001, 8, 14-18.	1.5	165
105	The essence of web engineering - managing the diversity and complexity of web application development. IEEE MultiMedia, 2001, 8, 22-25.	1.5	56
106	Web Engineering in Action. Lecture Notes in Computer Science, 2001, , 24-32.	1.0	4
107	Corporate Web Development: from Process Infancy to Maturity - a Case Study. Lecture Notes in Computer Science, 2001, , 36-47.	1.0	3
108	Hyperimages: using object recognition for navigation through images in multimedia. , 1995, , .		2

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109	Hypermedia authoring. IEEE MultiMedia, 1995, 2, 24-35.	1.5	31
110	Adaptable object-oriented distributed system integrating multimedia resources. , 1995, , 230-238.		0
111	The Hypermedia Authoring Research Toolkit (HART). , 1994, , .		14
112	<title>Segmentation of medical images using an active-contour model incorporating region-based image features</title>. , 1994, , .		16
113	An experimental multimedia system. Computer Communication Review, 1992, 22, 37-38.	1.5	0
114	A robot workstation for use in education of the physically handicapped. IEEE Transactions on Biomedical Engineering, 1988, 35, 127-131.	2.5	35
115	Impact of information technology on delivery of education. , 0, , .		0
116	Web Engineering. , 0, , 1-24.		4
117	Cloud Computing: Security and Reliability Issues. Communications of the IBIMA, 0, , 1-12.	0.3	14
118	Design for Empowerment: Empowering Sri Lankan Farmers through Mobile-based Information System. Communications of the Association for Information Systems, 0, , 444-483.	0.7	1