

# Dhavalkumar Thakker

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

548  
citations

758635

12  
h-index

752256

20  
g-index

61  
all docs

61  
docs citations

61  
times ranked

437  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards design and implementation of Industry 4.0 for food manufacturing. Neural Computing and Applications, 2023, 35, 23753-23765.	3.2	29
2	An ontology-based system for discovering landslide-induced emergencies in electrical grid. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3899.	2.6	2
3	An Internet of Things-enabled decision support system for circular economy business model. Software - Practice and Experience, 2022, 52, 772-787.	2.5	44
4	Data-Driven Techniques for Low-Cost Sensor Selection and Calibration for the Use Case of Air Quality Monitoring. Sensors, 2022, 22, 1093.	2.1	15
5	Dynamic Data Streams for Time-Critical IoT Systems in Energy-Aware IoT Devices Using Reinforcement Learning. Sensors, 2022, 22, 2375.	2.1	2
6	Edge-based blockchain enabled anomaly detection for insider attack prevention in Internet of Things. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4158.	2.6	12
7	A Semantic Knowledge-Based Framework for Information Extraction and Exploration. International Journal of Decision Support System Technology, 2021, 13, 1-25.	0.4	0
8	Using Citizen Science to Complement IoT Data Collection: A Survey of Motivational and Engagement Factors in Technology-Centric Citizen Science Projects. IoT, 2021, 2, 275-309.	2.3	6
9	Domain Experts and Natural language Processing in the Evaluation of Circular Economy Business Model Ontology. , 2021, , .		0
10	Use Case of Building an Indoor Air Quality Monitoring System. , 2021, , .		2
11	AQ-SCIENCE: Air Quality - Smart Cities with IoT-Enabled Citizen Engagement Approach. , 2021, , .		2
12	Internet of Things (IoT) and Indoor Air Quality (IAQ) Monitoring in the Health Domain. , 2021, , .		3
13	Ontology-based discovery of time-series data sources for landslide early warning system. Computing (Vienna/New York), 2020, 102, 745-763.	3.2	12
14	Using knowledge anchors to facilitate user exploration of data graphs. Semantic Web, 2020, 11, 205-234.	1.1	7
15	Semantic Web of Things for Industry 4.0. Semantic Web, 2020, 11, 885-886.	1.1	3
16	Explainable Artificial Intelligence for Developing Smart Cities Solutions. Smart Cities, 2020, 3, 1353-1382.	5.5	35
17	Pentagonal scheme for dynamic XML prefix labelling. Knowledge-Based Systems, 2020, 209, 106446.	4.0	3
18	Citizen Science on Twitter: Using Data Analytics to Understand Conversations and Networks. Future Internet, 2020, 12, 210.	2.4	14

#	ARTICLE	IF	CITATIONS
19	An ontological approach for pathology assessment and diagnosis of tunnels. Engineering Applications of Artificial Intelligence, 2020, 90, 103450.	4.3	21
20	A novel application of deep learning with image cropping: a smart city use case for flood monitoring. Journal of Reliable Intelligent Environments, 2020, 6, 51-61.	3.8	14
21	Comparative Study of Shortterm Electricity Price Forecasting Models to Optimise Battery Consumption. , 2020, , .		0
22	Using Deep Learning for IoT-enabled Camera: A Use Case of Flood Monitoring. , 2019, , .		6
23	Context-Based Knowledge Discovery and Querying for Social Media Data. , 2019, , .		1
24	A note on intelligent exploration of semantic data. Semantic Web, 2019, 10, 525-527.	1.1	0
25	Ethereum Blockchain-Based Solution to Insider Threats on Perception Layer of IoT Systems. , 2019, , .		5
26	Multi-layer Approach to Internet of Things (IoT) Security. , 2019, , .		6
27	A Novel Semantic Complex Event Processing Framework for Streaming Processing. , 2019, , .		2
28	Examining citizens' perceived value of internet of things technologies in facilitating public sector services engagement. Government Information Quarterly, 2019, 36, 310-320.	4.0	88
29	Comparison between Range-based and Prefix Dewey Encoding. , 2018, , .		0
30	Ontology for cultural variations in interpersonal communication: Building on theoretical models and crowdsourced knowledge. Journal of the Association for Information Science and Technology, 2017, 68, 1411-1428.	1.5	3
31	Analyticsâ€”asâ€”service in a multiâ€”cloud environment through semanticallyâ€”enabled hierarchical data processing. Software - Practice and Experience, 2017, 47, 1139-1156.	2.5	19
32	UMAP'17 Late-Breaking Results, Demonstration and Theory, Opinion & Reflection Papers Chairs' Preface & Organization. , 2017, , .		0
33	Evaluating Knowledge Anchors in Data Graphs Against Basic Level Objects. Lecture Notes in Computer Science, 2017, , 3-22.	1.0	2
34	Identifying Knowledge Anchors in a Data Graph. , 2016, , .		3
35	User Interaction with Linked Data. International Journal of Distributed Systems and Technologies, 2016, 7, 79-91.	0.6	5
36	PADTUN - Using Semantic Technologies in Tunnel Diagnosis and Maintenance Domain. Lecture Notes in Computer Science, 2015, , 683-698.	1.0	3

#	ARTICLE	IF	CITATIONS
37	Employing linked data and dialogue for modelling cultural awareness of a user. , 2014, , .		6
38	Utilising semantic technologies for intelligent indexing and retrieval of digital images. Computing (Vienna/New York), 2014, 96, 651-668.	3.2	7
39	Using DBpedia as a Knowledge Source for Culture-Related User Modelling Questionnaires. Lecture Notes in Computer Science, 2014, , 207-218.	1.0	1
40	Making Sense of Linked Data: A Semantic Exploration Approach. Studies in Big Data, 2014, , 71-87.	0.8	0
41	Making sense of digital traces: An activity theory driven ontological approach. Journal of the Association for Information Science and Technology, 2013, 64, 2452-2467.	2.6	31
42	Exploring exploratory search. , 2013, , .		10
43	Semantic Aggregation and Zooming of User Viewpoints in Social Media Content. Lecture Notes in Computer Science, 2013, , 51-63.	1.0	2
44	Views in User Generated Content for Enriching Learning Environments: A Semantic Sensing Approach. Lecture Notes in Computer Science, 2013, , 121-130.	1.0	6
45	Assisting User Browsing over Linked Data: Requirements Elicitation with a User Study. Lecture Notes in Computer Science, 2013, , 376-383.	1.0	6
46	Taming Digital Traces for Informal Learning: A Semantic-Driven Approach. Lecture Notes in Computer Science, 2012, , 348-362.	1.0	13
47	I-CAW: Intelligent Data Browser for Informal Learning Using Semantic Nudges. Lecture Notes in Computer Science, 2012, , 434-437.	1.0	0
48	A priori ontology modularisation in ill-defined domains. , 2011, , .		8
49	Semantic Web Services Composition with Case Based Reasoning. , 2011, , 36-63.		0
50	Semantics-Based Intelligent Indexing and Retrieval of Digital Images â€“ A Case Study. Advanced Information and Knowledge Processing, 2010, , 117-134.	0.2	0
51	A Pragmatic Approach to Semantic Repositories Benchmarking. Lecture Notes in Computer Science, 2010, , 379-393.	1.0	16
52	Utilisation of Case-Based Reasoning for Semantic Web Services Composition. International Journal of Intelligent Information Technologies, 2009, 5, 24-42.	0.5	6
53	Semantic Annotation and Retrieval of Images in Digital Libraries. , 2009, , 261-268.		0
54	Knowledge-Intensive Semantic Web Services Composition. , 2008, , .		4

#	ARTICLE	IF	CITATIONS
55	An Integrative Semantic Framework for Image Annotation and Retrieval. , 2007, , .		15
56	Semantic-Driven Matchmaking and Composition of Web Services Using Case-Based Reasoning. , 2007, , .		6
57	Semantic-Driven Matchmaking of Web Services Using Case-Based Reasoning. , 2006, , .		28
58	Semantic Spatial Web Services with Case-Based Reasoning. Lecture Notes in Computer Science, 2006, , 247-258.	1.0	1
59	Utilisation of Case-Based Reasoning for Semantic Web Services Composition. , 0, , 604-622.		0