Mehmet S Aktas

List of Publications by Year
in descending order

99 papers	1,196 citations	394421 19 h-index	580821 25 g-index
102 all docs	102 docs citations	102 times ranked	289 citing authors

#	Article	IF	Citations
1	Provenance aware run-time verification of things for self-healing Internet of Things applications. Concurrency Computation Practice and Experience, 2019, 31, e4263.	2.2	48
2	Fault tolerant high performance Information Services for dynamic collections of Grid and Web services. Future Generation Computer Systems, 2007, 23, 317-337.	7.5	45
3	A Web based Conversational Case-Based Recommender System for Ontology aided Metadata Discovery. , 0, , .		39
4	An approach to custom privacy policy violation detection problems using big social provenance data. Concurrency Computation Practice and Experience, 2018, 30, e4690.	2.2	39
5	Provenance Collection Platform for the Weather Research and Forecasting Model. , 2018, , .		38
6	Detecting misinformation in social networks using provenance data. Concurrency Computation Practice and Experience, 2019, 31, e4793.	2.2	36
7	Information Services for Dynamically Assembled Semantic Grids. , 2005, , .		35
8	Temporal representation for mining scientific data provenance. Future Generation Computer Systems, 2014, 36, 363-378.	7.5	34
9	iSERVO: Implementing the International Solid Earth Research Virtual Observatory by Integrating Computational Grid and Geographical Information Web Services. Pure and Applied Geophysics, 2006, 163, 2281-2296.	1.9	33
10	Hybrid cloud computing monitoring software architecture. Concurrency Computation Practice and Experience, 2018, 30, e4694.	2.2	33
11	An Approach to Standalone Provenance Systems for Big Social Provenance Data. , 2016, , .		32
12	Building and applying geographical information system Grids. Concurrency Computation Practice and Experience, 2008, 20, 1653-1695.	2.2	31
13	Application of provenance in social computing: A case study. Concurrency Computation Practice and Experience, 2019, 31, e4894.	2.2	30
14	Representation of Click-Stream DataSequences for Learning User Navigational Behavior by Using Embeddings. , 2020, , .		30
15	Pattern2Vec: Representation of clickstream data sequences for learning user navigational behavior. Concurrency Computation Practice and Experience, 2022, 34, e6546.	2.2	29
16	On the Large-scale Graph Data Processing for User Interface Testing in Big Data Science Projects. , 2020, , .		28
17	BlogMiner: Web Blog Mining Application for Classification of Movie Reviews. , 2010, , .		27
18	VLab: collaborative Grid services and portals to support computational material science. Concurrency Computation Practice and Experience, 2007, 19, 1717-1728.	2.2	26

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19	XML Metadata Services. Concurrency Computation Practice and Experience, 2008, 20, 801-823.	2.2	26
20	Algorithms and the Grid. Computing and Visualization in Science, 2009, 12, 115-124.	1.2	26
21	Provenance Capture and Use in a Satellite Data Processing Pipeline. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 5090-5097.	6.3	26
22	On the Structural Code Clone Detection Problem: A Survey and Software Metric Based Approach. Lecture Notes in Computer Science, 2014, , 492-507.	1.3	25
23	Mobile Application Verification: A Systematic Mapping Study. Lecture Notes in Computer Science, 2015, , 147-163.	1.3	25
24	Detecting Misinformation in Social Networks Using Provenance Data. , 2017, , .		24
25	Real Time Streaming Data Grid Applications. , 2006, , 253-267.		24
26	The QuakeSim Project: Web Services for Managing Geophysical Data and Applications. Pure and Applied Geophysics, 2008, 165, 635-651.	1.9	22
27	Highâ€performance hybrid information service architecture. Concurrency Computation Practice and Experience, 2010, 22, 2095-2123.	2.2	22
28	A Big Data Processing Framework for Self-Healing Internet of Things Applications. , 2016, , .		22
29	Temporal representation for scientific data provenance. , 2012, , .		20
30	Unmanaged Workflows: Their Provenance and Use. Studies in Computational Intelligence, 2013, , 59-81.	0.9	20
31	Using Hyperlink Features to Personalize Web Search. Lecture Notes in Computer Science, 2006, , 104-115.	1.3	15
32	Structural Code Clone Detection Methodology Using Software Metrics. International Journal of Software Engineering and Knowledge Engineering, 2016, 26, 307-332.	0.8	14
33	On the service capacity region of accessing erasure coded content. , 2017, , .		13
34	Implementation of Data Preprocessing Techniques on Distributed Big Data Platforms. , 2019, , .		12
35	On the Use of Generative Deep Learning Approaches for Generating Hidden Test Scripts. International Journal of Software Engineering and Knowledge Engineering, 2021, 31, 1447-1468.	0.8	12
36	XML Metadata Services. , 2006, , .		11

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37	Human Factor on Software Quality: A Systematic Literature Review. Lecture Notes in Computer Science, 2020, , 918-930.	1.3	11
38	The QuakeSim Project: Web Services for Managing Geophysical Data and Applications. , 2008, , 635-651.		10
39	Data Feature Selection Methods on Distributed Big Data Processing Platforms. , 2018, , .		10
40	An Approach to Recommendation Systems Using Scalable Association Mining Algorithms on Big Data Processing Platforms: A Case Study in Airline Industry. , 2021, , .		9
41	On the Detection of Information Pollution and Violation of Copyrights in the Social Web. , 2015, , .		8
42	An approach to hybrid personalized recommender systems. , 2016, , .		8
43	A Data Provenance Visualization Approach. , 2018, , .		8
44	Credit risk analysis with classification Restricted Boltzmann Machine. , 2018, , .		8
45	Scalable recommendation systems based on finding similar items and sequences. Concurrency Computation Practice and Experience, 2022, 34, .	2.2	8
46	On the Use of Technical Analysis Indicators for Stock Market Price Movement Direction Prediction. , 2019, , .		7
47	Big Data Testing Framework for Recommendation Systems in e-Science and e-Commerce Domains. , 2021, , .		7
48	Service Rate Region: A New Aspect of Coded Distributed System Design. IEEE Transactions on Information Theory, 2021, 67, 7940-7963.	2.4	6
49	Mobile Web Service Architecture Using Context-store. KSII Transactions on Internet and Information Systems, 0, , .	0.3	6
50	Provenance in Social Computing: A Case Study. , 2017, , .		5
51	Implementation of Association Rule Mining Algorithms on Distributed Data Processing Platforms. , 2019, , .		5
52	A Federated Approach to Information Management in Grids. International Journal of Web Services Research, 2010, 7, 65-98.	0.8	5
53	Data Imputation Methods for Missing Values in the Context of Clustering. Advances in Knowledge Acquisition, Transfer and Management Book Series, 2019, , 240-274.	0.2	5
54	Test Script Generation Based on Hidden Markov Models Learning From User Browsing Behaviors. , 2021, , .		5

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55	On the Data Stream Processing Frameworks: A Case Study. , 2018, , .		4
56	On the Performance Analysis of Map-Reduce Programming Model on In-Memory NoSQL Storage Platforms: A Case Study. , 2018, , .		4
57	Prediction of Purchase Intention on the E-Commerce Clickstream Data. , 2019, , .		4
58	Financial Risk Prediction Based On Case Based Reasoning Methodology. , 2019, , .		4
59	Web Application Testing With Model Based Testing Method: Case Study. , 2020, , .		4
60	A novel visualization approach for data provenance. Concurrency Computation Practice and Experience, 2022, 34, .	2.2	4
61	Implementation of Analytical Hierarchy Process in Detecting Structural Code Clones. Lecture Notes in Computer Science, 2017, , 652-664.	1.3	4
62	Information Federation in Grids. , 2008, , .		3
63	Effectiveness of an Online Automated Evaluation and Feedback System in an Introductory Computer Literacy Course. Eurasia Journal of Mathematics, Science and Technology Education, 2014, 10, .	1.3	3
64	Technical Analysis on Financial Time Series Data Based on Map-Reduce Programming Model: A Case Study. , 2018, , .		3
65	On the Provenance Extraction Techniques from Large Scale Log Files: A Case Study for the Numerical Weather Prediction Models. Lecture Notes in Computer Science, 2021, , 249-260.	1.3	3
66	Association Rule Mining on Big Data Sets. , 0, , .		3
67	On the Implicit Feedback Based Data Modeling Approaches for Recommendation Systems. , 2021, , .		3
68	Real-Time Fraud Prediction On Streaming Customer-Behaviour Data. , 2021, , .		3
69	Building Sensor Filter Grids: Information Architecture for the Data Deluge. , 2005, , .		2
70	Company Sales Prediction and Stock Exhance Investor Profit Prediction based on Company Balance Sheet Data. , 2019, , .		2
71	Sequential Rule Mining on the Student Behavior Data of an E-Learning Platform in the Field of Financial Sciences: Case Study. , 2021, , .		2
72	Fraud Detection on Streaming Customer Behavior Data with Unsupervised Learning Methods. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
73	On the Data Analysis Workflow for Predicting Customer Churn Behavior in Cargo and Logistics Sectors: Case Study. , 2021, , .		2
74	On the distributed software architecture of a data analysis workflow: A case study. Concurrency Computation Practice and Experience, 2022, 34, e6522.	2.2	2
75	On the provenance extraction techniques from large scale log files. Concurrency Computation Practice and Experience, 2023, 35, e6559.	2.2	2
76	Impact of Personal Factors on Software Quality. , 2020, , .		2
77	A Retrospective on the Development of Web Service Specifications. , 2008, , 22-49.		2
78	Principles and Experiences. , 2010, , 58-77.		2
79	Provisioning System for Application Virtualization Environments. Advances in Data Mining and Database Management Book Series, 2020, , 131-145.	0.5	2
80	A Usability Study on Data Provenance Visualization Approaches. , 2021, , .		2
81	A mapping study on the behavirol analysis of Tor relay protocol. , 2017, , .		1
82	Data Mining Library for Big Data Processing Platforms: A Case Study-Sparkling Water Platform. , 2018, , .		1
83	Bankrupcy Risk Forecast Based on Company Balance Sheet Data Using Machine Learning. , 2019, , .		1
84	Prediction of Success and Complex Event Processing in E-Learning. , 2020, , .		1
85	Real-time Detection of Anomalies on Performance Data of Container Virtualization Platforms. , 2020, , .		1
86	A Novel Approach to Test Case Prioritization for Software Regression Tests. Lecture Notes in Computer Science, 2021, , 201-216.	1.3	1
87	Customer Churn Behaviour Predicting Using Social Network Analysis Techniques: A Case Study. , 2021, , .		1
88	Software Architecture of a System Designed for Churn Analysis and Customer Retention in Banking Industry. , 2020, , .		1
89	A software architecture for monitoring big data storage platforms. Pamukkale University Journal of Engineering Sciences, 2017, 23, 597-601.	0.4	1
90	A Novel Distributed Software Architecture for Managing Customer Behavior Data: A Case Study in Banking Sector. , 2021, , .		1

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91	Implicit feature detection by ontology aided feature-based opinion summarization. , 2017, , .		0
92	Provisioning System for Application Virtualization Environments. , 2018, , .		0
93	Special issue on High performance computing conference (BASARIMâ€2017). Concurrency Computation Practice and Experience, 2018, 30, e4926.	2.2	0
94	On the RESTful Web Services for Managing Application Virtualization Environments. , 2019, , .		0
95	On the Use of Hyperparameter Optimization in Big Data Processing Pipelines: A Case Study. , 2019, , .		0
96	Management of Virtualization Technologies with Complex Event Processing. , 2020, , .		0
97	On the Detecting Anomalies within the Clickstream Data: Case Study for Financial Data Analysis Websites. , 2021, , .		0
98	Improving Awareness in Ambient-Assisted Living Systems: Consolidated Data Stream Processing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 89-94.	0.3	0
99	A Federated Approach to Information Management in Grids. , 0, , 71-103.		0