

Mohand Tahar Kechadi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2479284/publications.pdf>

Version: 2024-02-01

182
papers

2,484
citations

331259

21
h-index

288905

40
g-index

193
all docs

193
docs citations

193
times ranked

1879
citing authors

#	ARTICLE	IF	CITATIONS
1	Customer churn prediction in telecommunications. Expert Systems With Applications, 2012, 39, 1414-1425.	4.4	286
2	Cloud forensics definitions and critical criteria for cloud forensic capability: An overview of survey results. Digital Investigation, 2013, 10, 34-43.	3.2	147
3	Cloud Forensics. International Federation for Information Processing, 2011, , 35-46.	0.4	139
4	Multi-objective feature selection by using NSGA-II for customer churn prediction in telecommunications. Expert Systems With Applications, 2010, 37, 3638-3646.	4.4	123
5	Exploratory spatio-temporal data mining and visualization. Journal of Visual Languages and Computing, 2007, 18, 255-279.	1.8	114
6	CupCarbon: A Multi-Agent and Discrete Event Wireless Sensor Network Design and Simulation Tool. , 2014, , .		72
7	An effective hybrid learning system for telecommunication churn prediction. Expert Systems With Applications, 2013, 40, 5635-5647.	4.4	69
8	Privacy-Aware Blockchain Innovation for 6G: Challenges and Opportunities. , 2020, , .		63
9	Dimensionality reduction in data mining: A Copula approach. Expert Systems With Applications, 2016, 64, 247-260.	4.4	56
10	A new feature set with new window techniques for customer churn prediction in land-line telecommunications. Expert Systems With Applications, 2010, 37, 3657-3665.	4.4	50
11	Internet of Things Forensics " Challenges and a Case Study. IFIP Advances in Information and Communication Technology, 2018, , 35-48.	0.5	48
12	Human Activity Recognition with Convolutional Neural Networks. Lecture Notes in Computer Science, 2019, , 541-552.	1.0	46
13	A complete formalized knowledge representation model for advanced digital forensics timeline analysis. Digital Investigation, 2014, 11, S95-S105.	3.2	40
14	An ontology-based approach for the reconstruction and analysis of digital incidents timelines. Digital Investigation, 2015, 15, 83-100.	3.2	40
15	Application of Data Mining for Anti-money Laundering Detection: A Case Study. , 2010, , .		36
16	ELM-based spammer detection in social networks. Journal of Supercomputing, 2016, 72, 2991-3005.	2.4	36
17	D-LPCN: A distributed least polar-angle connected node algorithm for finding the boundary of a wireless sensor network. Ad Hoc Networks, 2017, 56, 56-71.	3.4	31
18	Distributed clustering algorithm for spatial data mining. , 2015, , .		29

#	ARTICLE	IF	CITATIONS
19	Recurrent neural network approach for cyclic job shop scheduling problem. Journal of Manufacturing Systems, 2013, 32, 689-699.	7.6	27
20	BitTorrent Sync: First Impressions and Digital Forensic Implications. Digital Investigation, 2014, 11, S77-S86.	3.2	27
21	Using Machine Learning for Heart Disease Prediction. Lecture Notes in Networks and Systems, 2021, , 70-81.	0.5	27
22	DIALOG: A framework for modeling, analysis and reuse of digital forensic knowledge. Digital Investigation, 2009, 6, S23-S33.	3.2	26
23	Forensics Acquisition and Analysis of Instant Messaging and VoIP Applications. Lecture Notes in Computer Science, 2015, , 188-199.	1.0	26
24	Parallel and distributed clustering framework for big spatial data mining. International Journal of Parallel, Emergent and Distributed Systems, 2019, 34, 671-689.	0.7	25
25	Key Terms for Service Level Agreements to Support Cloud Forensics. International Federation for Information Processing, 2012, , 201-212.	0.4	23
26	The State of the Art Forensic Techniques in Mobile Cloud Environment. International Journal of Digital Crime and Forensics, 2015, 7, 1-19.	0.5	22
27	Automatic multi-objective clustering based on game theory. Expert Systems With Applications, 2017, 67, 32-48.	4.4	21
28	TreeP: A Tree Based P2P Network Architecture. , 2005, , .		20
29	Customer Segmentation Architecture Based on Clustering Techniques. , 2010, , .		20
30	A Data Mining-Based Solution for Detecting Suspicious Money Laundering Cases in an Investment Bank. , 2010, , .		20
31	Leveraging IMU data for accurate exercise performance classification and musculoskeletal injury risk screening. , 2016, 2016, 659-662.		20
32	Network investigation methodology for BitTorrent Sync: A Peer-to-Peer based file synchronisation service. Computers and Security, 2015, 54, 27-43.	4.0	19
33	Automatic classification of knee rehabilitation exercises using a single inertial sensor: A case study. , 2018, , .		19
34	Mobile Health Apps in Pediatric Obesity Treatment: Process Outcomes From a Feasibility Study of a Multicomponent Intervention. JMIR MHealth and UHealth, 2020, 8, e16925.	1.8	19
35	Overview of the Forensic Investigation of Cloud Services. , 2015, , .		17
36	Ontology Based Approach for Precision Agriculture. Lecture Notes in Computer Science, 2018, , 175-186.	1.0	17

#	ARTICLE	IF	CITATIONS
37	A Clustering-Based Data Reduction for Very Large Spatio-Temporal Datasets. Lecture Notes in Computer Science, 2010, , 43-54.	1.0	16
38	Smartphone Forensic Analysis: A Case Study for Obtaining Root Access of an Android Samsung S3 Device and Analyse the Image without an Expensive Commercial Tool. Journal of Information Security, 2014, 05, 83-90.	0.4	16
39	Knowledge Map: Toward a New Approach Supporting the Knowledge Management in Distributed Data Mining. , 2007, , .		15
40	Efficient Distributed Approach for Density-Based Clustering. , 2011, , .		15
41	Efficient Large Scale Clustering Based on Data Partitioning. , 2016, , .		15
42	A multi-act sequential game-based multi-objective clustering approach for categorical data. Neurocomputing, 2017, 267, 320-332.	3.5	15
43	Data Mining Techniques Applied to Wireless Sensor Networks for Early Forest Fire Detection. , 2016, , .		14
44	The Impact of Data Analytics in Digital Agriculture: A Review. , 2020, , .		14
45	A New Approach for Distributed Density Based Clustering on Grid Platform. Lecture Notes in Computer Science, 2007, , 247-258.	1.0	14
46	Forensic analysis of privacy-oriented cryptocurrencies. Forensic Science International: Digital Investigation, 2020, 33, 200891.	1.2	14
47	Knowledge representation in digital agriculture: A step towards standardised model. Computers and Electronics in Agriculture, 2022, 199, 107127.	3.7	14
48	Grid-Based Approaches for Distributed Data Mining Applications. Journal of Algorithms and Computational Technology, 2009, 3, 517-534.	0.4	13
49	A parallel genetic algorithms framework based on Hadoop MapReduce. , 2015, , .		13
50	BitTorrent Sync: Network Investigation Methodology. , 2014, , .		12
51	Volkswagen Car Entertainment System Forensics. , 2017, , .		12
52	Designing and Implementing Data Warehouse for Agricultural Big Data. Lecture Notes in Computer Science, 2019, , 1-17.	1.0	12
53	Using Clustering for Forensics Analysis on Internet of Things. International Journal of Software Science and Computational Intelligence, 2021, 13, 56-71.	1.8	12
54	Big Data Warehouse for Healthcare-Sensitive Data Applications. Sensors, 2021, 21, 2353.	2.1	12

#	ARTICLE	IF	CITATIONS
55	Cloud Forensic Readiness: Foundations. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 237-244.	0.2	12
56	A universal performance factor for multi-criteria evaluation of multistage interconnection networks. Future Generation Computer Systems, 2006, 22, 794-804.	4.9	11
57	The limb movement analysis of rehabilitation exercises using wearable inertial sensors. , 2016, 2016, 4686-4689.		11
58	Modeling and performance analysis of the IEEE 802.11p EDCA mechanism for VANET under saturation traffic conditions and error-prone channel. AEU - International Journal of Electronics and Communications, 2019, 101, 33-43.	1.7	11
59	Data Reduction in Very Large Spatio-Temporal Datasets. , 2010, , .		10
60	Leveraging Decentralization to Extend the Digital Evidence Acquisition Window: Case Study on Bittorrent Sync. Digital Forensics, Security and Law Journal, 0, , .	0.0	10
61	Automatic Timeline Construction and Analysis for Computer Forensics Purposes. , 2014, , .		9
62	Hierarchical Aggregation Approach for Distributed Clustering of Spatial Datasets. , 2016, , .		9
63	Energy-Efficient Data Mining Techniques for Emergency Detection in Wireless Sensor Networks. , 2016, , .		9
64	Lightweight privacy-Preserving data classification. Computers and Security, 2020, 97, 101835.	4.0	9
65	Semantic Modelling of Digital Forensic Evidence. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2011, , 149-156.	0.2	9
66	BigO: A public health decision support system for measuring obesogenic behaviors of children in relation to their local environment. , 2020, 2020, 5864-5867.		8
67	Using E-Reputation for Sentiment Analysis. International Journal of Cloud Applications and Computing, 2021, 11, 32-47.	1.1	8
68	Performance Evaluation of a Natural Language Processing Approach Applied in White Collar Crime Investigation. Lecture Notes in Computer Science, 2014, , 29-43.	1.0	8
69	Domain Specific Entity Recognition With Semantic-Based Deep Learning Approach. IEEE Access, 2021, 9, 152892-152902.	2.6	8
70	Toward a new mobile cloud forensic framework. , 2016, , .		7
71	Segmentation of shoulder rehabilitation exercises for single and multiple inertial sensor systems. Journal of Rehabilitation and Assistive Technologies Engineering, 2020, 7, 205566832091537.	0.6	7
72	Electronic farming records â€œ A framework for normalising agronomic knowledge discovery. Computers and Electronics in Agriculture, 2021, 184, 106074.	3.7	7

#	ARTICLE	IF	CITATIONS
73	Collection of historical weather data. , 2019, , .		7
74	Predicting Soil pH by Using Nearest Fields. Lecture Notes in Computer Science, 2019, , 480-486.	1.0	6
75	Dynamic task scheduling for irregular network topologies. Parallel Computing, 2005, 31, 757-776.	1.3	5
76	FECK: A New Efficient Clustering Algorithm for the Events Correlation Problem in Telecommunication Networks. , 2007, , .		5
77	Efficiency of network event logs as admissible digital evidence. , 2015, , .		5
78	Healthcare Big Data. , 2016, , .		5
79	A lightweight software write-blocker for virtual machine forensics. , 2016, , .		5
80	A survey on DDoS attacks: Router-based threats and defense mechanism in real-world data centers. , 2016, , .		5
81	LPCN: Least polar-angle connected node algorithm to find a polygon hull in a connected euclidean graph. Journal of Network and Computer Applications, 2017, 93, 38-50.	5.8	5
82	Feature selection based bee swarm meta-heuristic approach for combinatorial optimisation problems: a case-study on MaxSAT. Memetic Computing, 2020, 12, 283-298.	2.7	5
83	Event Reconstruction. Advances in Digital Crime, Forensics, and Cyber Terrorism, 2015, , 231-245.	0.4	5
84	Mining Spatio-Temporal Data at Different Levels of Detail. , 2008, , 225-240.		5
85	New approach for distributed clustering. , 2011, , .		4
86	Missing Data Analysis Using Multiple Imputation in Relation to Parkinson's Disease. , 2016, , .		4
87	A Steganography Technique for Images Based on Wavelet Transform. Lecture Notes in Computer Science, 2017, , 273-281.	1.0	4
88	Rehabilitation Exercise Segmentation for Autonomous Biofeedback Systems with ConvFSM. , 2019, 2019, 574-579.		4
89	An Efficient Hybrid Approach for Online Recognition of Handwritten Symbols. Lecture Notes in Computer Science, 2005, , 843-853.	1.0	4
90	SLAFM - A Service Level Agreement Formal Model for Cloud Computing. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
91	Toward Distributed Knowledge Discovery on Grid Systems. Advanced Information and Knowledge Processing, 2010, , 213-243.	0.2	4
92	Forensic Acquisition of IMVU: A Case Study. Digital Forensics, Security and Law Journal, 2015, , .	0.0	4
93	Towards Automatic Service Level Agreements Information Extraction. , 2016, , .		4
94	Crop Knowledge Discovery Based on Agricultural Big Data Integration. , 2020, , .		4
95	OAK: Ontology-Based Knowledge Map Model for Digital Agriculture. Lecture Notes in Computer Science, 2020, , 245-259.	1.0	4
96	A Hybrid Recogniser for Handwritten Symbols Based on Fuzzy Logic and Self-Organizing Maps. , 2006, , .		3
97	A Visual Approach for Spatio-Temporal Data Mining. , 2006, , .		3
98	An efficient support management tool for distributed data mining environments. , 2007, , .		3
99	Project Portfolio: A Job Scheduling Approach. , 2012, , .		3
100	Gaussian Mixture Model Based Interest Prediction In Social Networks. , 2015, , .		3
101	Sentiment Analysis Application on Twitter for E-reputation. , 2019, , .		3
102	Combining Real-Time Segmentation and Classification of Rehabilitation Exercises with LSTM Networks and Pointwise Boosting. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 13229-13234.	3.6	3
103	Structural textile pattern recognition and processing based on hypergraphs. Information Retrieval, 2021, 24, 137-173.	1.6	3
104	A New Method for Estimation of Missing Data Based on Sampling Methods for Data Mining. Advances in Intelligent Systems and Computing, 2013, , 89-100.	0.5	3
105	Feature Extraction of Handwritten Symbols Using Fuzzy Logic. Lecture Notes in Computer Science, 2004, , 493-498.	1.0	3
106	An Efficient Knowledge Management Tool for Distributed Data Mining Environments. International Journal of Computational Intelligence Research, 2009, 5, .	0.3	3
107	An improved forensic-by-design framework for cloud computing with systems engineering standard compliance. Forensic Science International: Digital Investigation, 2022, 40, 301315.	1.2	3
108	A Two-Stage De-Identification Process for Privacy-Preserving Medical Image Analysis. Healthcare (Switzerland), 2022, 10, 755.	1.0	3

#	ARTICLE	IF	CITATIONS
109	On the recognition of online handwritten mathematics using feature-based fuzzy rules and relationship precedence. , 2008, , .		2
110	Handling Large Volumes of Mined Knowledge with a Self-Reconfigurable Topology on Distributed Systems. , 2008, , .		2
111	On the persistence of deleted windows registry data structures. , 2009, , .		2
112	A Real-Time Recognition System for Handwritten Mathematics: Backtracking and Relationship Discovery. , 2010, , .		2
113	Ontology for knowledge management and improvement of data mining result. , 2011, , .		2
114	The Weighted Tardiness as Objective Function of a RNN Model for the Job Scheduling Problem. , 2012, , .		2
115	A new method for dimensionality reduction of multi-dimensional data using Copulas. , 2013, , .		2
116	Android and Wireless data-extraction using Wi-Fi. , 2014, , .		2
117	Integrated intelligent method for solving multi-objective MPM job shop scheduling problem. , 2015, , .		2
118	A new Chinese wall security policy model based on the subject's wall and object's wall. , 2015, , .		2
119	An agent-based negotiation approach for knowledge exchange in cloud service platforms. , 2015, , .		2
120	Retrieval and Clustering of Medicines Within Healthcare Data Records. , 2016, , .		2
121	Evidence analysis to basis of clustering: Approach based on mobile forensic investigation. , 2016, , .		2
122	Semantic Grid resource discovery based on SKOS ontology. International Journal of Grid and Utility Computing, 2017, 8, 269.	0.1	2
123	Sensitive and Private Data Analysis. , 2019, , .		2
124	Peer-to-Peer Botnet Investigation: A Review. Lecture Notes in Electrical Engineering, 2012, , 231-238.	0.3	2
125	Behavioural Proximity Approach for Alarm Correlation in Telecommunication Networks. Lecture Notes in Computer Science, 2006, , 674-683.	1.0	2
126	Fuzzy Spatial Analysis Techniques for Mathematical Expression Recognition. Lecture Notes in Computer Science, 2010, , 80-87.	1.0	2

#	ARTICLE	IF	CITATIONS
127	Forensic Analysis of the TomTom Navigation Application. Lecture Notes in Computer Science, 2014, , 267-276.	1.0	2
128	E-government Alerts Correlation Model. , 2014, , .		2
129	Digital Evidence Bag Selection for P2P Network Investigation. Lecture Notes in Electrical Engineering, 2014, , 307-314.	0.3	2
130	Forensic Analysis of Virtual Hard Drives. Digital Forensics, Security and Law Journal, 0, , .	0.0	2
131	Performance Evaluation of a Distributed Clustering Approach for Spatial Datasets. Communications in Computer and Information Science, 2018, , 38-56.	0.4	2
132	Analysis and simulation of an out-of-order execution model in vector multiprocessor systems. Parallel Computing, 1997, 23, 1963-1986.	1.3	1
133	Performance study of a dynamic task scheduling for heterogeneous distributed systems. Operational Research, 2004, 4, 291-303.	1.3	1
134	Persistent Workflow on the Grid. , 2008, , .		1
135	Persistent Locality Management of Scientific Application Workflows. , 2010, , .		1
136	Analysis of Deputy and Party Similarities through Hierarchical Clustering. , 2010, , .		1
137	The Data Wave: Data Management and Mining. , 2010, , .		1
138	Evaluation of a clustering technique based on game theory. , 2011, , .		1
139	On a Distributed Approach for Density-Based Clustering. , 2011, , .		1
140	RNN Modelling for Bi-Objective MPM Job Shop Scheduling Problem. , 2013, , .		1
141	Universal Peer-to-Peer Network Investigation Framework. , 2013, , .		1
142	Towards middleware security framework for next generation data centers connectivity. , 2015, , .		1
143	Phased Method for Solving Multi-Objective MPM Job Shop Scheduling Problem. International Journal of Monitoring and Surveillance Technologies Research, 2016, 4, 42-61.	0.3	1
144	Scalability-aware mechanism based on workload prediction in ultra-peer networks. Peer-to-Peer Networking and Applications, 2018, 11, 431-449.	2.6	1

#	ARTICLE	IF	CITATIONS
145	The Feasibility of Using an Automated Net Asset Value Validation Tool in an International Investment Bank. <i>Technology and Investment</i> , 2010, 01, 182-190.	0.4	1
146	Secure encryption key management as a SecaaS based on Chinese wall security policy. <i>Journal of Information Security and Applications</i> , 2021, 63, 102975.	1.8	1
147	Feature Selection Parallel Technique for Remotely Sensed Imagery Classification. <i>Lecture Notes in Computer Science</i> , 2013, , 623-634.	1.0	1
148	Recurrent neural network approach for partitioning irregular graphs. <i>Lecture Notes in Computer Science</i> , 1999, , 450-459.	1.0	1
149	Project Maelstrom: Forensic Analysis of the BitTorrent-Powered Browser. <i>Digital Forensics, Security and Law Journal</i> , 2015, , .	0.0	1
150	Classical Mechanics Optimization for Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2016, , 102-110.	1.0	1
151	Privacy-Aware Data Analysis Middleware for Data-Driven EHR Systems. <i>Lecture Notes in Computer Science</i> , 2017, , 335-350.	1.0	1
152	A Forecasting Model for Data Center Bandwidth Utilization. <i>Lecture Notes in Networks and Systems</i> , 2018, , 315-330.	0.5	1
153	Data Privacy in Its Three Forms – A Systematic Review. <i>Communications in Computer and Information Science</i> , 2020, , 425-433.	0.4	1
154	Applying the K-Means Algorithm in Big Raw Data Sets with Hadoop and MapReduce. <i>Advances in Data Mining and Database Management Book Series</i> , 0, , 23-46.	0.4	1
155	Performance Study of Scheduling Mechanisms for Peer-to-Peer Computing Environments. <i>Lecture Notes in Computer Science</i> , 2004, , 954-962.	1.0	0
156	On the Efficiency of Dynamic Load Balancing on P2P Irregular Network Topologies. , 2006, , .		0
157	Virtual Structured P2P Network Topology for Distributed Computing. , 2006, , .		0
158	Efficient Load Balancing on Irregular Network Topologies Using B+tree Structures. , 2007, , .		0
159	THON: A Tessellation-based Hierarchical Overlay Network for DGET Grid Middleware. , 2007, , .		0
160	Investigating Encrypted Material. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2009, , 29-35.	0.2	0
161	Recent Advances in Parallel Virtual Machine and Message Passing Interface. <i>International Journal of High Performance Computing Applications</i> , 2010, 24, 3-4.	2.4	0
162	A Real-Time Recognition System for Handwritten Mathematics: Structural Development. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
163	Comparing two density-based clustering methods for reducing very large spatio-temporal dataset. , 2011, , .		0
164	Cooperative Knowledge Discovery & Data Mining Track Report - CKDD 2011. , 2011, , .		0
165	Study and analysis of temporal data using Hidden Markov models. , 2011, , .		0
166	An architecture based SKOS ontology for scalable, efficient and fault tolerant grid resource discovery. , 2011, , .		0
167	Toward a new classification model for analysing financial datasets. , 2012, , .		0
168	An Integrated Model for Financial Data Mining. Lecture Notes in Computer Science, 2012, , 306-317.	1.0	0
169	CKDD Track Report. , 2013, , .		0
170	A Parallel Data Mining Algorithm for PageRank Computation. , 2016, , .		0
171	Clustering of optimized data for email forensics. RAIRO - Operations Research, 2016, 50, 951-963.	1.0	0
172	Investigation and Automating Extraction of Thumbnails Produced by Image Viewers. , 2017, , .		0
173	Mobile health (mHealth) applications with children in treatment for obesity: A randomised feasibility study. Proceedings of the Nutrition Society, 2020, 79, .	0.4	0
174	Code-free cloud computing service to facilitate rapid biomedical digital signal processing and algorithm development. Computer Methods and Programs in Biomedicine, 2021, 211, 106398.	2.6	0
175	Suitability of Two Associative Memory Neural Networks to Character Recognition. Lecture Notes in Computer Science, 2004, , 886-897.	1.0	0
176	A Tree-Based Approach for Detecting Redundant Business Rules in Very Large Financial Datasets. International Journal of Business Intelligence Research, 2012, 3, 1-13.	0.7	0
177	Clustering Based on Sequential Multi-Objective Games. Lecture Notes in Computer Science, 2014, , 369-381.	1.0	0
178	Exact and Heuristic Data Workflow Placement Algorithms for Big Data Computing in Cloud Datacenters. Scalable Computing, 2018, 19, 223-244.	0.7	0
179	Historical Weather Data Recovery and Estimation. Lecture Notes in Intelligent Transportation and Infrastructure, 2020, , 1179-1191.	0.3	0
180	Prediction of Frequent Out-Of-Hoursâ€™ Medical Use. Communications in Computer and Information Science, 2020, , 631-646.	0.4	0

#	ARTICLE	IF	CITATIONS
181	Phased Method for Solving Multi-Objective MPM Job Shop Scheduling Problem. , 2020, , 1480-1499.		0
182	A Novel Validation Framework to Assess Segmentation Accuracy of Inertial Sensor Data for Rehabilitation Exercises. IFMBE Proceedings, 2021, , 29-37.	0.2	0