

# Mohand Tahar Kechadi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

161  
papers

1,572  
citations

19  
h-index

34  
g-index

193  
ext. papers

2,026  
ext. citations

2.1  
avg, IF

5.14  
L-index

#	Paper	IF	Citations
161	Customer churn prediction in telecommunications. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 1414-1425	7.8	153
160	Cloud Forensics. <i>International Federation for Information Processing</i> , <b>2011</b> , 35-46		117
159	Cloud forensics definitions and critical criteria for cloud forensic capability: An overview of survey results. <i>Digital Investigation</i> , <b>2013</b> , 10, 34-43	3.3	112
158	Multi-objective feature selection by using NSGA-II for customer churn prediction in telecommunications. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 3638-3646	7.8	94
157	Exploratory spatio-temporal data mining and visualization. <i>Journal of Visual Languages and Computing</i> , <b>2007</b> , 18, 255-279		90
156	CupCarbon: A Multi-Agent and Discrete Event Wireless Sensor Network Design and Simulation Tool <b>2014</b> ,		52
155	An effective hybrid learning system for telecommunication churn prediction. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 5635-5647	7.8	42
154	Dimensionality reduction in data mining: A Copula approach. <i>Expert Systems With Applications</i> , <b>2016</b> , 64, 247-260	7.8	41
153	Privacy-Aware Blockchain Innovation for 6G: Challenges and Opportunities <b>2020</b> ,		33
152	An ontology-based approach for the reconstruction and analysis of digital incidents timelines. <i>Digital Investigation</i> , <b>2015</b> , 15, 83-100	3.3	32
151	Human Activity Recognition with Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 541-552	0.9	29
150	A complete formalized knowledge representation model for advanced digital forensics timeline analysis. <i>Digital Investigation</i> , <b>2014</b> , 11, S95-S105	3.3	29
149	A new feature set with new window techniques for customer churn prediction in land-line telecommunications. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 3657-3665	7.8	29
148	Internet of Things Forensics [Challenges and a Case Study. <i>IFIP Advances in Information and Communication Technology</i> , <b>2018</b> , 35-48	0.5	27
147	ELM-based spammer detection in social networks. <i>Journal of Supercomputing</i> , <b>2016</b> , 72, 2991-3005	2.5	26
146	D-LPCN: A distributed least polar-angle connected node algorithm for finding the boundary of a wireless sensor network. <i>Ad Hoc Networks</i> , <b>2017</b> , 56, 56-71	4.8	24
145	Distributed clustering algorithm for spatial data mining <b>2015</b> ,		22

144	DIALOG: A framework for modeling, analysis and reuse of digital forensic knowledge. <i>Digital Investigation</i> , <b>2009</b> , 6, S23-S33	3.3	22
143	Recurrent neural network approach for cyclic job shop scheduling problem. <i>Journal of Manufacturing Systems</i> , <b>2013</b> , 32, 689-699	9.1	20
142	BitTorrent Sync: First Impressions and Digital Forensic Implications. <i>Digital Investigation</i> , <b>2014</b> , 11, S77-S86		19
141	Application of Data Mining for Anti-money Laundering Detection: A Case Study <b>2010</b> ,		19
140	The State of the Art Forensic Techniques in Mobile Cloud Environment. <i>International Journal of Digital Crime and Forensics</i> , <b>2015</b> , 7, 1-19	0.7	17
139	Automatic multi-objective clustering based on game theory. <i>Expert Systems With Applications</i> , <b>2017</b> , 67, 32-48	7.8	16
138	Forensics Acquisition and Analysis of Instant Messaging and VoIP Applications. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 188-199	0.9	15
137	Key Terms for Service Level Agreements to Support Cloud Forensics. <i>International Federation for Information Processing</i> , <b>2012</b> , 201-212		15
136	Knowledge Map: Toward a New Approach Supporting the Knowledge Management in Distributed Data Mining <b>2007</b> ,		13
135	Overview of the Forensic Investigation of Cloud Services <b>2015</b> ,		12
134	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. <i>Journal of Information Security</i> , <b>2014</b> , 05, 83-90	0.3	12
133	Leveraging IMU data for accurate exercise performance classification and musculoskeletal injury risk screening. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016-1529-1532	0.9	12
132	Parallel and distributed clustering framework for big spatial data mining. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , <b>2019</b> , 34, 671-689	1	12
131	A multi-act sequential game-based multi-objective clustering approach for categorical data. <i>Neurocomputing</i> , <b>2017</b> , 267, 320-332	5.4	11
130	Network investigation methodology for BitTorrent Sync: A Peer-to-Peer based file synchronisation service. <i>Computers and Security</i> , <b>2015</b> , 54, 27-43	4.9	11
129	A New Approach for Distributed Density Based Clustering on Grid Platform. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 247-258	0.9	11
128	A Clustering-Based Data Reduction for Very Large Spatio-Temporal Datasets. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 43-54	0.9	11
127	Data Mining Techniques Applied to Wireless Sensor Networks for Early Forest Fire Detection <b>2016</b> ,		11

126	A parallel genetic algorithms framework based on Hadoop MapReduce <b>2015</b> ,		10
125	Efficient Distributed Approach for Density-Based Clustering <b>2011</b> ,		10
124	Efficient Large Scale Clustering Based on Data Partitioning <b>2016</b> ,		10
123	Volkswagen Car Entertainment System Forensics <b>2017</b> ,		9
122	The limb movement analysis of rehabilitation exercises using wearable inertial sensors. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 4686-4689	0.9	9
121	Customer Segmentation Architecture Based on Clustering Techniques <b>2010</b> ,		9
120	A Data Mining-Based Solution for Detecting Suspicious Money Laundering Cases in an Investment Bank <b>2010</b> ,		9
119	Grid-Based Approaches for Distributed Data Mining Applications. <i>Journal of Algorithms and Computational Technology</i> , <b>2009</b> , 3, 517-534	0.7	9
118	A universal performance factor for multi-criteria evaluation of multistage interconnection networks. <i>Future Generation Computer Systems</i> , <b>2006</b> , 22, 794-804	7.5	9
117	Using Clustering for Forensics Analysis on Internet of Things. <i>International Journal of Software Science and Computational Intelligence</i> , <b>2021</b> , 13, 56-71	1.4	9
116	TreeP: A Tree Based P2P Network Architecture <b>2005</b> ,		8
115	Cloud Forensic Readiness: Foundations. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2014</b> , 237-244	0.2	8
114	Modeling and performance analysis of the IEEE 802.11p EDCA mechanism for VANET under saturation traffic conditions and error-prone channel. <i>AEU - International Journal of Electronics and Communications</i> , <b>2019</b> , 101, 33-43	2.8	7
113	Automatic classification of knee rehabilitation exercises using a single inertial sensor: A case study <b>2018</b> ,		7
112	BitTorrent Sync: Network Investigation Methodology <b>2014</b> ,		7
111	Data Reduction in Very Large Spatio-Temporal Datasets <b>2010</b> ,		7
110	Leveraging Decentralization to Extend the Digital Evidence Acquisition Window: Case Study on Bittorrent Sync. <i>Digital Forensics, Security and Law Journal</i> ,		7
109	Ontology Based Approach for Precision Agriculture. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 175-186	0.9	7

108	Performance Evaluation of a Natural Language Processing Approach Applied in White Collar Crime Investigation. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 29-43	0.9	6
107	Forensic analysis of privacy-oriented cryptocurrencies. <i>Forensic Science International: Digital Investigation</i> , <b>2020</b> , 33, 200891	1	6
106	Toward a new mobile cloud forensic framework <b>2016</b> ,		6
105	Energy-Efficient Data Mining Techniques for Emergency Detection in Wireless Sensor Networks <b>2016</b> ,		6
104	LPCN: Least polar-angle connected node algorithm to find a polygon hull in a connected euclidean graph. <i>Journal of Network and Computer Applications</i> , <b>2017</b> , 93, 38-50	7.9	5
103	Designing and Implementing Data Warehouse for Agricultural Big Data. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 1-17	0.9	5
102	Automatic Timeline Construction and Analysis for Computer Forensics Purposes <b>2014</b> ,		5
101	Mobile Health Apps in Pediatric Obesity Treatment: Process Outcomes From a Feasibility Study of a Multicomponent Intervention. <i>JMIR MHealth and UHealth</i> , <b>2020</b> , 8, e16925	5.5	5
100	Semantic Modelling of Digital Forensic Evidence. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2011</b> , 149-156	0.2	5
99	An Open Framework for Smartphone Evidence Acquisition. <i>International Federation for Information Processing</i> , <b>2012</b> , 159-166		5
98	Healthcare Big Data <b>2016</b> ,		5
97	Hierarchical Aggregation Approach for Distributed Clustering of Spatial Datasets <b>2016</b> ,		5
96	Lightweight privacy-Preserving data classification. <i>Computers and Security</i> , <b>2020</b> , 97, 101835	4.9	4
95	New approach for distributed clustering <b>2011</b> ,		4
94	FECK: A New Efficient Clustering Algorithm for the Events Correlation Problem in Telecommunication Networks <b>2007</b> ,		4
93	<b>2020</b> ,		4
92	Using Machine Learning for Heart Disease Prediction. <i>Lecture Notes in Networks and Systems</i> , <b>2021</b> , 70-81.5		4
91	An Efficient Hybrid Approach for Online Recognition of Handwritten Symbols. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 843-853	0.9	4

90	Rehabilitation Exercise Segmentation for Autonomous Biofeedback Systems with ConvFSM. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2019, 2019, 574-579</i>	0.9	3
89	A Hybrid Recogniser for Handwritten Symbols Based on Fuzzy Logic and Self-Organizing Maps <b>2006</b> ,		3
88	Dynamic task scheduling for irregular network topologies. <i>Parallel Computing, 2005, 31, 757-776</i>	1	3
87	TreeP: A Self-reconfigurable Topology for Unstructured P2P Systems <b>2007, 1136-1146</b>		3
86	SLAFM - A Service Level Agreement Formal Model for Cloud Computing <b>2015,</b>		3
85	Feature Extraction of Handwritten Symbols Using Fuzzy Logic. <i>Lecture Notes in Computer Science, 2004, 493-498</i>	0.9	3
84	Forensic Acquisition of IMVU: A Case Study. <i>Digital Forensics, Security and Law Journal, 2015,</i>		3
83	BigO: A public health decision support system for measuring obesogenic behaviors of children in relation to their local environment. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2020, 2020, 5864-5867</i>	0.9	3
82	Big Data Warehouse for Healthcare-Sensitive Data Applications. <i>Sensors, 2021, 21,</i>	3.8	3
81	A lightweight software write-blocker for virtual machine forensics <b>2016,</b>		3
80	Missing Data Analysis Using Multiple Imputation in Relation to Parkinson's Disease <b>2016,</b>		3
79	Sensitive and Private Data Analysis <b>2019,</b>		2
78	Forensic Analysis and Remote Evidence Recovery from Syncthing: An Open Source Decentralised File Synchronisation Utility. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, 85-99</i>	0.2	2
77	An agent-based negotiation approach for knowledge exchange in cloud service platforms <b>2015,</b>		2
76	A new method for dimensionality reduction of multi-dimensional data using Copulas <b>2013,</b>		2
75	A Steganography Technique for Images Based on Wavelet Transform. <i>Lecture Notes in Computer Science, 2017, 273-281</i>	0.9	2
74	Semantic Grid resource discovery based on SKOS ontology. <i>International Journal of Grid and Utility Computing, 2017, 8, 269</i>	1.1	2
73	Efficiency of network event logs as admissible digital evidence <b>2015,</b>		2

72	Gaussian Mixture Model Based Interest Prediction In Social Networks <b>2015</b> ,		2
71	Android and Wireless data-extraction using Wi-Fi <b>2014</b> ,		2
70	Project Portfolio: A Job Scheduling Approach <b>2012</b> ,		2
69	An efficient support management tool for distributed data mining environments <b>2007</b> ,		2
68	OAK: Ontology-Based Knowledge Map Model for Digital Agriculture. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 245-259	0.9	2
67	Mining Spatio-Temporal Data at Different Levels of Detail <b>2008</b> , 225-240		2
66	Domain Specific Entity Recognition With Semantic-Based Deep Learning Approach. <i>IEEE Access</i> , <b>2021</b> , 9, 152892-152902	3.5	2
65	Event Reconstruction. <i>Advances in Digital Crime, Forensics, and Cyber Terrorism</i> , <b>2015</b> , 231-245	0.2	2
64	Behavioural Proximity Approach for Alarm Correlation in Telecommunication Networks. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 674-683	0.9	2
63	Predicting Soil pH by Using Nearest Fields. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 480-486	0.9	2
62	A New Method for Estimation of Missing Data Based on Sampling Methods for Data Mining. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 89-100	0.4	2
61	Toward Distributed Knowledge Discovery on Grid Systems. <i>Advanced Information and Knowledge Processing</i> , <b>2010</b> , 213-243	0.3	2
60	Using E-Reputation for Sentiment Analysis. <i>International Journal of Cloud Applications and Computing</i> , <b>2021</b> , 11, 32-47	3.1	2
59	Electronic farming records [A framework for normalising agronomic knowledge discovery. <i>Computers and Electronics in Agriculture</i> , <b>2021</b> , 184, 106074	6.5	2
58	Evidence analysis to basis of clustering: Approach based on mobile forensic investigation <b>2016</b> ,		2
57	Structural textile pattern recognition and processing based on hypergraphs. <i>Information Retrieval</i> , <b>2021</b> , 24, 137-173	1.8	2
56	Digital Evidence Management, Presentation, and Court Preparation in the Cloud <b>2019</b> , 283-299		1
55	Digital Forensic Process and Model in the Cloud <b>2019</b> , 239-255		1

54	Scalability-aware mechanism based on workload prediction in ultra-peer networks. <i>Peer-to-Peer Networking and Applications</i> , <b>2018</b> , 11, 431-449	3.1	1
53	RNN Modelling for Bi-Objective MPM Job Shop Scheduling Problem <b>2013</b> ,		1
52	<b>2015</b> ,		1
51	<b>2015</b> ,		1
50	Towards middleware security framework for next generation data centers connectivity <b>2015</b> ,		1
49	The Weighted Tardiness as Objective Function of a RNN Model for the Job Scheduling Problem <b>2012</b> ,		1
48	Universal Peer-to-Peer Network Investigation Framework <b>2013</b> ,		1
47	Evaluation of a clustering technique based on game theory <b>2011</b> ,		1
46	Analysis of Deputy and Party Similarities through Hierarchical Clustering <b>2010</b> ,		1
45	On the persistence of deleted windows registry data structures <b>2009</b> ,		1
44	On a Distributed Approach for Density-Based Clustering <b>2011</b> ,		1
43	On the recognition of online handwritten mathematics using feature-based fuzzy rules and relationship precedence <b>2008</b> ,		1
42	Handling Large Volumes of Mined Knowledge with a Self-Reconfigurable Topology on Distributed Systems <b>2008</b> ,		1
41	A Visual Approach for Spatio-Temporal Data Mining <b>2006</b> ,		1
40	Performance study of a dynamic task scheduling for heterogeneous distributed systems. <i>Operational Research</i> , <b>2004</b> , 4, 291-303	1.6	1
39	A parallel technique for partitioning nodes of weighted graphs. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 449-457	0.9	1
38	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> , 23-46	0.6	1
37	An improved forensic-by-design framework for cloud computing with systems engineering standard compliance. <i>Forensic Science International: Digital Investigation</i> , <b>2022</b> , 40, 301315	1	1



36	The Feasibility of Using an Automated Net Asset Value Validation Tool in an International Investment Bank. <i>Technology and Investment</i> , <b>2010</b> , 01, 182-190	0	1
35	Performance Evaluation of a Distributed Clustering Approach for Spatial Datasets. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 38-56	0.3	1
34	Peer-to-Peer Botnet Investigation: A Review. <i>Lecture Notes in Electrical Engineering</i> , <b>2012</b> , 231-238	0.2	1
33	Classical Mechanics Optimization for Image Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 102-110	1.0	1
32	Forensic Analysis of the TomTom Navigation Application. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 267-276	0.6	1
31	Digital Evidence Bag Selection for P2P Network Investigation. <i>Lecture Notes in Electrical Engineering</i> , <b>2014</b> , 307-314	0.2	1
30	Feature selection based bee swarm meta-heuristic approach for combinatorial optimisation problems: a case-study on MaxSAT. <i>Memetic Computing</i> , <b>2020</b> , 12, 283-298	3.4	1
29	Segmentation of shoulder rehabilitation exercises for single and multiple inertial sensor systems. <i>Journal of Rehabilitation and Assistive Technologies Engineering</i> , <b>2020</b> , 7, 2055668320915377	1.7	1
28	Retrieval and Clustering of Medicines Within Healthcare Data Records <b>2016</b> ,		1
27	Sentiment Analysis Application on Twitter for E-reputation <b>2019</b> ,		1
26	Analysis and simulation of an out-of-order execution model in vector multiprocessor systems. <i>Parallel Computing</i> , <b>1997</b> , 23, 1963-1986	1	0
25	Recurrent neural network approach for partitioning irregular graphs. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 450-459	0.9	0
24	Fuzzy Spatial Analysis Techniques for Mathematical Expression Recognition. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 80-87	0.9	0
23	Combining Real-Time Segmentation and Classification of Rehabilitation Exercises with LSTM Networks and Pointwise Boosting. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2020</b> , 34, 13229-13234	5	0
22	A Two-Stage De-Identification Process for Privacy-Preserving Medical Image Analysis. <i>Healthcare (Switzerland)</i> , <b>2022</b> , 10, 755	3.4	0
21	Phased Method for Solving Multi-Objective MPM Job Shop Scheduling Problem. <i>International Journal of Monitoring and Surveillance Technologies Research</i> , <b>2016</b> , 4, 42-61		
20	Clustering of optimized data for email forensics. <i>RAIRO - Operations Research</i> , <b>2016</b> , 50, 951-963	2.2	
19	An Integrated Model for Financial Data Mining. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 306-317	0.9	

18	Recent Advances in Parallel Virtual Machine and Message Passing Interface. <i>International Journal of High Performance Computing Applications</i> , <b>2010</b> , 24, 3-4	1.8
17	Investigating Encrypted Material. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2009</b> , 29-35	0.2
16	Performance Study of Scheduling Mechanisms for Peer-to-Peer Computing Environments. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 954-962	0.9
15	Data Privacy in Its Three Forms [A Systematic Review. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 425-433	0.3
14	Prediction of Frequent Out-Of-Hours[Medical Use. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 631-646	0.3
13	Phased Method for Solving Multi-Objective MPM Job Shop Scheduling Problem <b>2020</b> , 1480-1499	
12	A Novel Validation Framework to Assess Segmentation Accuracy of Inertial Sensor Data for Rehabilitation Exercises. <i>IFMBE Proceedings</i> , <b>2021</b> , 29-37	0.2
11	Secure encryption key management as a SecaaS based on Chinese wall security policy. <i>Journal of Information Security and Applications</i> , <b>2021</b> , 63, 102975	3.5
10	Suitability of Two Associative Memory Neural Networks to Character Recognition. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 886-897	0.9
9	Scalable 2-Pass Data Mining Technique for Large Scale Spatio-temporal Datasets. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 785-792	0.9
8	Historical Weather Data Recovery and Estimation. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , <b>2020</b> , 1179-1191	0.3
7	Privacy-Aware Data Analysis Middleware for Data-Driven EHR Systems. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 335-350	0.9
6	A Forecasting Model for Data Center Bandwidth Utilization. <i>Lecture Notes in Networks and Systems</i> , <b>2018</b> , 315-330	0.5
5	A Tree-Based Approach for Detecting Redundant Business Rules in Very Large Financial Datasets. <i>International Journal of Business Intelligence Research</i> , <b>2012</b> , 3, 1-13	0.6
4	Feature Selection Parallel Technique for Remotely Sensed Imagery Classification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 623-634	0.9
3	Clustering Based on Sequential Multi-Objective Games. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 369-381	0.9
2	Code-free cloud computing service to facilitate rapid biomedical digital signal processing and algorithm development. <i>Computer Methods and Programs in Biomedicine</i> , <b>2021</b> , 211, 106398	6.9
1	A Forensic-Ready Intelligent Transportation System. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2022</b> , 617-630	0.2

