

El Sayed M El-Alfy

List of Publications by Year in descending order

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Version: 2024-02-01

135
papers

1,286
citations

516561

16
h-index

526166

27
g-index

139
all docs

139
docs citations

139
times ranked

1090
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of bidirectional LSTM for short-and long-term stock market prediction. , 2018, , .		121
2	Using Word Embedding and Ensemble Learning for Highly Imbalanced Data Sentiment Analysis in Short Arabic Text. Procedia Computer Science, 2017, 109, 359-366.	1.2	99
3	AdaBoost-based artificial neural network learning. Neurocomputing, 2017, 248, 120-126.	3.5	61
4	Stock Market Forecast Using Multivariate Analysis with Bidirectional and Stacked (LSTM, GRU). , 2018, , .		56
5	Combining spatial and DCT based Markov features for enhanced blind detection of image splicing. Pattern Analysis and Applications, 2015, 18, 713-723.	3.1	47
6	A multiclass cascade of artificial neural network for network intrusion detection. Journal of Intelligent and Fuzzy Systems, 2017, 32, 2875-2883.	0.8	43
7	Spam filtering framework for multimodal mobile communication based on dendritic cell algorithm. Future Generation Computer Systems, 2016, 64, 98-107.	4.9	42
8	Detection of Phishing Websites Based on Probabilistic Neural Networks and K-Medoids Clustering. Computer Journal, 2017, 60, 1745-1759.	1.5	41
9	Towards scalable rough set based attribute subset selection for intrusion detection using parallel genetic algorithm in MapReduce. Simulation Modelling Practice and Theory, 2016, 64, 18-29.	2.2	39
10	Construction and analysis of educational tests using abductive machine learning. Computers and Education, 2008, 51, 1-16.	5.1	36
11	Using GMDH-based networks for improved spam detection and email feature analysis. Applied Soft Computing Journal, 2011, 11, 477-488.	4.1	35
12	Hybrid Deep Learning for Sentiment Polarity Determination of Arabic Microblogs. Lecture Notes in Computer Science, 2017, , 491-500.	1.0	31
13	Emojis-Based Sentiment Classification of Arabic Microblogs Using Deep Recurrent Neural Networks. , 2018, , .		24
14	Combining Deep Learning and Multiresolution Analysis for Stock Market Forecasting. IEEE Access, 2021, 9, 13099-13111.	2.6	23
15	A review of machine learning for big data analytics: bibliometric approach. Technology Analysis and Strategic Management, 2020, 32, 984-1005.	2.0	22
16	Dendritic Cell Algorithm for Mobile Phone Spam Filtering. Procedia Computer Science, 2015, 52, 244-251.	1.2	21
17	A Pareto-based hybrid multiobjective evolutionary approach for constrained multipath traffic engineering optimization in MPLS/GMPLS networks. Journal of Network and Computer Applications, 2013, 36, 1196-1207.	5.8	20
18	A Multicriterion Fuzzy Classification Method with Greedy Attribute Selection for Anomaly-based Intrusion Detection. Procedia Computer Science, 2014, 34, 55-62.	1.2	20

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19	Enhanced Video Analytics for Sentiment Analysis Based on Fusing Textual, Auditory and Visual Information. IEEE Access, 2020, 8, 136843-136857.	2.6	18
20	Towards Hybrid Multimodal Manual and Non-Manual Arabic Sign Language Recognition: mArSL Database and Pilot Study. Electronics (Switzerland), 2021, 10, 1739.	1.8	18
21	Constructing optimal educational tests using GMDH-based item ranking and selection. Neurocomputing, 2009, 72, 1184-1197.	3.5	17
22	Boosting paraphrase detection through textual similarity metrics with abductive networks. Applied Soft Computing Journal, 2015, 26, 444-453.	4.1	17
23	Automated gait-based gender identification using fuzzy local binary patterns with tuned parameters. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 2495-2504.	3.3	17
24	Image Splicing Forgery Detection Using DCT Coefficients with Multi-Scale LBP. , 2018, , .		16
25	Joint space representation and recognition of sign language fingerspelling using Gabor filter and convolutional neural network. Multimedia Tools and Applications, 2021, 80, 10213-10234.	2.6	16
26	Combining emojis with Arabic textual features for sentiment classification. , 2018, , .		14
27	Intrusion detection taxonomy and data preprocessing mechanisms. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1369-1383.	0.8	13
28	On Using Physical Based Intrusion Detection in SCADA Systems. Procedia Computer Science, 2020, 170, 34-42.	1.2	13
29	Anonymous Connections Based on Onion Routing: A Review and a Visualization Tool. Procedia Computer Science, 2015, 52, 121-128.	1.2	12
30	Bibliography of digital image anti-forensics and anti-anti-forensics techniques. IET Image Processing, 2019, 13, 1811-1823.	1.4	12
31	Anger Detection in Arabic Speech Dialogs. , 2018, , .		11
32	Flow-based path selection for Internet traffic engineering with NSGA-II. , 2010, , .		9
33	Silhouette-Based Gender Recognition in Smart Environments Using Fuzzy Local Binary Patterns and Support Vector Machines. Procedia Computer Science, 2017, 109, 164-171.	1.2	9
34	Hybrid multicriteria fuzzy classification of network traffic patterns, anomalies, and protocols. Personal and Ubiquitous Computing, 2019, 23, 777-791.	1.9	9
35	Multi-Target Energy Disaggregation using Convolutional Neural Networks. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.5	9
36	Discovering classification rules for email spam filtering with an ant colony optimization algorithm. , 2009, , .		8

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37	Imbalanced Sentiment Polarity Detection Using Emoji-Based Features and Bagging Ensemble. , 2018, , .		8
38	Early and Late Fusion of Emojis and Text to Enhance Opinion Mining. IEEE Access, 2021, 9, 121031-121045.	2.6	8
39	Adaptive resource allocation with prioritized handoff in cellular mobile networks under QoS provisioning. , 0, , .		7
40	Autonomous call admission control with prioritized handoff in cellular networks. , 0, , .		7
41	A learning approach for prioritized handoff channel allocation in mobile multimedia networks. IEEE Transactions on Wireless Communications, 2006, 5, 1651-1660.	6.1	7
42	Solving the minimum-cost constrained multipath routing with load balancing in MPLS networks using an evolutionary method. , 2007, , .		7
43	A Heuristic Approach for Firewall Policy Optimization. International Conference on Advanced Communication Technology, 2007, , .	0.0	7
44	On Optimal Firewall Rule Ordering. , 2007, , .		7
45	Applications of genetic algorithms to optimal multilevel design of MPLS-based networks. Computer Communications, 2007, 30, 2010-2020.	3.1	7
46	A fuzzy similarity approach for automated spam filtering. , 2008, , .		7
47	A more secure scheme for CAPTCHA-based authentication in cloud environment. , 2017, , .		7
48	A learning approach for call admission control with prioritized handoff in mobile multimedia networks. , 0, , .		6
49	Automatic Identification Based on Hand Geometry and Probabilistic Neural Networks. , 2012, , .		6
50	Improved selectivity estimator for XML queries based on structural synopsis. World Wide Web, 2015, 18, 1123-1144.	2.7	6
51	Improved Personal Identification Using Face and Hand Geometry Fusion and Support Vector Machines. Communications in Computer and Information Science, 2012, , 253-261.	0.4	6
52	Gait-based Recognition for Human Identification using Fuzzy Local Binary Patterns. , 2016, , .		6
53	A comparative study of PVD-based schemes for data hiding in digital images. , 2011, , .		5
54	High-Capacity Image Steganography Based on Overlapped Pixel Differences and Modulus Function. Communications in Computer and Information Science, 2012, , 243-252.	0.4	5

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55	Detecting Cyber-Attacks on Wireless Mobile Networks Using Multicriterion Fuzzy Classifier with Genetic Attribute Selection. Mobile Information Systems, 2015, 2015, 1-13.	0.4	5
56	Forecasting of Bahrain Stock Market with Deep Learning: Methodology and Case Study. , 2019, , .		5
57	Empirical study on imbalanced learning of Arabic sentiment polarity with neural word embedding. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6211-6222.	0.8	5
58	Abductive Neural Network Modeling for Hand Recognition Using Geometric Features. Lecture Notes in Computer Science, 2012, , 593-602.	1.0	5
59	Impact of Normalization on BiLSTM Based Models for Energy Disaggregation. , 2020, , .		5
60	Spam filtering with abductive networks. , 2008, , .		4
61	A hierarchical GMDH-based polynomial neural network for handwritten numeral recognition using topological features. , 2010, , .		4
62	Comparing a class of dynamic model-based reinforcement learning schemes for handoff prioritization in mobile communication networks. Expert Systems With Applications, 2011, 38, 8730-8737.	4.4	4
63	Analysis and extraction of sentence-level paraphrase sub-corpus in CS education. , 2012, , .		4
64	Evaluation of support vector machine with universal kernel for hand-geometry based identification. , 2012, , .		4
65	Improved pixel value differencing steganography using logistic chaotic maps. , 2012, , .		4
66	A novel bio-inspired predictive model for spam filtering based on dendritic cell algorithm. , 2014, , .		4
67	Abductive Learning Ensembles for Hand Shape Identification. Cognitive Computation, 2014, 6, 321-330.	3.6	4
68	MapReduce implementation for minimum reduct using parallel genetic algorithm. , 2015, , .		4
69	FLGBP: Improved Method for Gait Representation and Recognition. , 2016, , .		4
70	Selectivity estimation of extended XML query tree patterns based on prime number labeling and synopsis modeling. Simulation Modelling Practice and Theory, 2016, 64, 30-42.	2.2	4
71	Robust content authentication of gray and color images using lbp-dct markov-based features. Multimedia Tools and Applications, 2017, 76, 14535-14556.	2.6	4
72	Evaluating time and throughput at different modes of operation in AES algorithm. , 2017, , .		4

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73	Detection of Arabic Spam Tweets Using Word Embedding and Machine Learning. , 2018, , .		4
74	A bio-inspired image encryption algorithm based on chaotic maps. , 2010, , .		3
75	Impact of Stock Market Indices and Other Regional Exogenous Factors on Predictive Modeling of Border Traffic with Neural Network Models. Arabian Journal for Science and Engineering, 2015, 40, 303-312.	1.1	3
76	Critical review of static taint analysis of android applications for detecting information leakages. , 2017, , .		3
77	Audio-Textual Arabic Dialect Identification for Opinion Mining Videos. , 2019, , .		3
78	Exploring Lattice-based Post-Quantum Signature for JWT Authentication: Review and Case Study. , 2020, , .		3
79	Computational Intelligence in Cryptology. Advances in Information Security, Privacy, and Ethics Book Series, 2016, , 28-44.	0.4	3
80	Performance Comparison of CBT and PIM Multicast Routing Protocols over MPLS Networks. , 2006, , .		2
81	An Adaptive Steganographic Method for Color Images Based on LSB Substitution and Pixel Value Differencing. Communications in Computer and Information Science, 2011, , 535-544.	0.4	2
82	Detecting pixel-value differencing steganography using Levenberg-Marquardt neural network. , 2013, , .		2
83	Statistical Analysis of ML-Based Paraphrase Detectors with Lexical Similarity Metrics. , 2014, , .		2
84	Statistical Gabor-Based Gait Recognition Using Region-Level Analysis. , 2015, , .		2
85	Kernel-Based Fuzzy Local Binary Pattern for Gait Recognition. , 2016, , .		2
86	Known-plaintext attack and improvement of PRNG-based text encryption. , 2016, , .		2
87	Emoji-Based Sentiment Analysis of Arabic Microblogs Using Machine Learning. , 2018, , .		2
88	Ant colony inspired method for reducing load imbalance in multiprocessor systems. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1443-1451.	0.8	2
89	Statistical Comparison of Opinion Spam Detectors in Social Media with Imbalanced Datasets. Communications in Computer and Information Science, 2019, , 157-167.	0.4	2
90	A multi-matching approximation algorithm for Symmetric Traveling Salesman Problem. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2285-2295.	0.8	2

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91	Benchmarking Open-Source Android Malware Detection Tools. , 2019, , .		2
92	Evaluation of CNN Models with Transfer Learning for Recognition of Sign Language Alphabets with Complex Background. , 2020, , .		2
93	Using Mashup and Web 2.0 to Foster Inquiry-Based Flipped Classroom in Online Teaching of Technical Curriculum: A Case Study. , 2020, , .		2
94	Offline Recognition of Handwritten Numeral Characters with Polynomial Neural Networks Using Topological Features. Lecture Notes in Computer Science, 2010, , 173-183.	1.0	1
95	A reinforcement learning approach for sequential mastery testing. , 2011, , .		1
96	Fusion of Multiple Texture Representations for Palmprint Recognition Using Neural Networks. Lecture Notes in Computer Science, 2012, , 410-417.	1.0	1
97	Network Intrusion Detection Using Multi-Criteria PROAFTN Classification. , 2014, , .		1
98	Effects of Using Average Annual Daily Traffic (AADT) with Exogenous Factors to Predict Daily Traffic. Procedia Computer Science, 2014, 32, 325-330.	1.2	1
99	Special issue on soft computing and intelligent systems: Tools, techniques and applications. Journal of Intelligent and Fuzzy Systems, 2017, 32, 2791-2796.	0.8	1
100	Editorial note: Smart Computing with Innovative Multimedia Technologies and Applications. Multimedia Tools and Applications, 2017, 76, 5785-5786.	2.6	1
101	Using feature-level fusion for multimodal gender recognition for opinion mining videos. , 2019, , .		1
102	Impact of Spectre/Meltdown Kernel Patches on Crypto-Algorithms on Windows Platforms. , 2019, , .		1
103	On DNA cryptography for secure data storage and transfer. , 2021, , .		1
104	URLCam: Toolkit for malicious URL analysis and modeling. Journal of Intelligent and Fuzzy Systems, 2021, , 1-15.	0.8	1
105	Learning Rule for Linear Multilayer Feedforward ANN by Boosted Decision Stumps. Lecture Notes in Computer Science, 2015, , 345-353.	1.0	1
106	Android Malware Detector Based on Sequences of System Calls and Bidirectional Recurrent Networks. Communications in Computer and Information Science, 2020, , 309-321.	0.4	1
107	Computational Intelligence in Smart Grids: Case Studies. Studies in Computational Intelligence, 2014, , 265-292.	0.7	1
108	Computational Intelligence in Cryptology. , 0, , 1636-1652.		1

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109	BOOSTRON: Boosting Based Perceptron Learning. Lecture Notes in Computer Science, 2014, , 199-206.	1.0	1
110	Computational Intelligence Paradigms. Advances in Information Security, Privacy, and Ethics Book Series, 2016, , 1-27.	0.4	1
111	Parallel Association Rules Pruning Algorithm on Hadoop MapReduce. Lecture Notes in Networks and Systems, 2020, , 117-130.	0.5	1
112	<title>Obstacle avoidance and motion control for mobile robots</title>. , 1995, , .		0
113	The need for a unified framework for evaluating web cache replacement strategies. , 2009, , .		0
114	Biobjective NSGA-II for optimal spread spectrum watermarking of color frames: Evaluation study. , 2014, , .		0
115	Intrusion detection using a cascade of boosted classifiers (CBC). , 2014, , .		0
116	Online prime labeling and generation of synopsis for XML query estimation. , 2015, , .		0
117	XHQE: A hybrid system for scalable selectivity estimation of XML queries. Information Systems Frontiers, 2016, 18, 1233-1249.	4.1	0
118	Evaluation of sequential adaptive testing with real-data simulation: A case study. Journal of Intelligent and Fuzzy Systems, 2017, 32, 2977-2986.	0.8	0
119	Learning mechanisms for anomaly-based intruder detection: Updated review. , 2017, , .		0
120	Soft computing and intelligent systems: Techniques and applications. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1237-1241.	0.8	0
121	Searching Encrypted Data on the Cloud. , 2018, , 221-236.		0
122	Soft computing and intelligent systems: techniques and applications. Journal of Intelligent and Fuzzy Systems, 2019, 36, 1939-1944.	0.8	0
123	Overview and Case Study for Ransomware Classification Using Deep Neural Network. , 2019, , .		0
124	Multi-scale LPQ-DCT for Image Forgery Detection. , 2019, , .		0
125	Soft computing and intelligent systems: techniques and applications. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6187-6191.	0.8	0
126	Feature analysis and prediction of antibiotic resistance using PCA-MLP with segments of N. gonorrhoeae bacteria's DNA. , 2021, , .		0

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127	Soft computing and intelligent systems: Techniques and applications. Journal of Intelligent and Fuzzy Systems, 2021, , 1-14.	0.8	0
128	Comparative analysis of feature extraction and fusion for blind authentication of digital images using chroma channels. Signal Processing: Image Communication, 2021, 95, 116271.	1.8	0
129	ROUTING AND TRAFFIC MANAGEMENT. , 2010, , 343-399.		0
130	Enhanced Hand Shape Identification Using Random Forests. Lecture Notes in Computer Science, 2013, , 441-447.	1.0	0
131	ANFIS-Based Model for Improved Paraphrase Rating Prediction. Lecture Notes in Computer Science, 2014, , 397-404.	1.0	0
132	Chaotic-Based and Biologically Inspired Cryptosystems for Secure Image Communication and Storage. Advances in Information Security, Privacy, and Ethics Book Series, 2016, , 74-98.	0.4	0
133	Multi-Kernel Fuzzy-Based Local Gabor Patterns for Gait Recognition. Lecture Notes in Computer Science, 2016, , 790-799.	1.0	0
134	Multimodal Sentiment and Gender Classification for Video Logs. , 2019, , .		0
135	Statistical Gabor-Based Gait Recognition Using Region-Level Analysis. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0