Amir Hussain

List of Publications by Year
in descending order

424 papers	13,503 citations	31976 53 h-index	33894 99 g-index
472 all docs	472 docs citations	472 times ranked	10038 citing authors

#	Article	IF	Citations
1	A review of affective computing: From unimodal analysis to multimodal fusion. Information Fusion, 2017, 37, 98-125.	19.1	890
2	Applications of Deep Learning and Reinforcement Learning to Biological Data. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2063-2079.	11.3	596
3	Fusing audio, visual and textual clues for sentiment analysis from multimodal content. Neurocomputing, 2016, 174, 50-59.	5.9	372
4	Convolutional MKL Based Multimodal Emotion Recognition and Sentiment Analysis. , 2016, , .		354
5	Group sparse regularization for deep neural networks. Neurocomputing, 2017, 241, 81-89.	5.9	276
6	Agent-based computing from multi-agent systems to agent-based models: a visual survey. Scientometrics, 2011, 89, 479-499.	3.0	234
7	Sentic LSTM: a Hybrid Network for Targeted Aspect-Based Sentiment Analysis. Cognitive Computation, 2018, 10, 639-650.	5.2	232
8	Deep Learning in Mining Biological Data. Cognitive Computation, 2021, 13, 1-33.	5.2	231
9	TSDL: A Two-Stage Deep Learning Model for Efficient Network Intrusion Detection. IEEE Access, 2019, 7, 30373-30385.	4.2	220
10	Comparing Oversampling Techniques to Handle the Class Imbalance Problem: A Customer Churn Prediction Case Study. IEEE Access, 2016, 4, 7940-7957.	4.2	210
11	Unsupervised Machine Learning for Networking: Techniques, Applications and Research Challenges. IEEE Access, 2019, 7, 65579-65615.	4.2	206
12	Enhanced SenticNet with Affective Labels for Concept-Based Opinion Mining. IEEE Intelligent Systems, 2013, 28, 31-38.	4.0	204
13	Big data and IoT-based applications in smart environments: AÂsystematic review. Computer Science Review, 2021, 39, 100318.	15.3	196
14	Artificial Intelligenceâ€"Enabled Analysis of Public Attitudes on Facebook and Twitter Toward COVID-19 Vaccines in the United Kingdom and the United States: Observational Study. Journal of Medical Internet Research, 2021, 23, e26627.	4.3	186
15	A novel multi-modal machine learning based approach for automatic classification of EEG recordings in dementia. Neural Networks, 2020, 123, 176-190.	5.9	185
16	The Hourglass of Emotions. Lecture Notes in Computer Science, 2012, , 144-157.	1.3	184
17	Semi-supervised learning for big social data analysis. Neurocomputing, 2018, 275, 1662-1673.	5.9	181
18	Multilingual Sentiment Analysis: State of the Art and Independent Comparison of Techniques. Cognitive Computation, 2016, 8, 757-771.	5.2	177

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19	A Convolutional Neural Network approach for classification of dementia stages based on 2D-spectral representation of EEG recordings. Neurocomputing, 2019, 323, 96-107.	5.9	175
20	Towards an intelligent framework for multimodal affective data analysis. Neural Networks, 2015, 63, 104-116.	5.9	173
21	Ensemble application of convolutional neural networks and multiple kernel learning for multimodal sentiment analysis. Neurocomputing, 2017, 261, 217-230.	5.9	167
22	A Review of Sentiment Analysis Research in Chinese Language. Cognitive Computation, 2017, 9, 423-435.	5.2	139
23	A Brain-Inspired Trust Management Model to Assure Security in a Cloud Based IoT Framework for Neuroscience Applications. Cognitive Computation, 2018, 10, 864-873.	5.2	139
24	Customer churn prediction in the telecommunication sector using a rough set approach. Neurocomputing, 2017, 237, 242-254.	5.9	136
25	A novel statistical analysis and autoencoder driven intelligent intrusion detection approach. Neurocomputing, 2020, 387, 51-62.	5.9	135
26	Multimodal Sentiment Analysis: Addressing Key Issues and Setting Up the Baselines. IEEE Intelligent Systems, 2018, 33, 17-25.	4.0	134
27	EmoSenticSpace: A novel framework for affective common-sense reasoning. Knowledge-Based Systems, 2014, 69, 108-123.	7.1	132
28	Word Polarity Disambiguation Using Bayesian Model and Opinion-Level Features. Cognitive Computation, 2015, 7, 369-380.	5.2	126
29	Comprehensive Taxonomies of Nature- and Bio-inspired Optimization: Inspiration Versus Algorithmic Behavior, Critical Analysis Recommendations. Cognitive Computation, 2020, 12, 897-939.	5.2	125
30	Sentic Computing for social media marketing. Multimedia Tools and Applications, 2012, 59, 557-577.	3.9	118
31	Sentiment Data Flow Analysis by Means of Dynamic Linguistic Patterns. IEEE Computational Intelligence Magazine, 2015, 10, 26-36.	3.2	118
32	Cross-modality interactive attention network for multispectral pedestrian detection. Information Fusion, 2019, 50, 20-29.	19.1	111
33	Sentic Computing. , 2015, , .		109
34	Concept-Level Sentiment Analysis with Dependency-Based Semantic Parsing: A Novel Approach. Cognitive Computation, 2015, 7, 487-499.	5.2	109
35	Effect of deposition temperature on the structural and optical properties of chemically prepared nanocrystalline lead selenide thin films. Beilstein Journal of Nanotechnology, 2012, 3, 438-443.	2.8	98
36	A hybrid Persian sentiment analysis framework: Integrating dependency grammar based rules and deep neural networks. Neurocomputing, 2020, 380, 1-10.	5.9	97

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37	Sentic PROMs: Application of sentic computing to the development of a novel unified framework for measuring health-care quality. Expert Systems With Applications, 2012, 39, 10533-10543.	7.6	94
38	Sentic Web: A New Paradigm for Managing Social Media Affective Information. Cognitive Computation, 2011, 3, 480-489.	5.2	93
39	A New Algorithm for SAR Image Target Recognition Based on an Improved Deep Convolutional Neural Network. Cognitive Computation, 2019, 11, 809-824.	5.2	91
40	Agent-based tools for modeling and simulation of self-organization in peer-to-peer, ad hoc, and other complex networks. , 2009, 47, 166-173.		88
41	Multilayered Echo State Machine: A Novel Architecture and Algorithm. IEEE Transactions on Cybernetics, 2017, 47, 946-959.	9.5	85
42	Sentic Computing for patient centered applications. , 2010, , .		81
43	Big Data Analytics and Mining for Effective Visualization and Trends Forecasting of Crime Data. IEEE Access, 2019, 7, 106111-106123.	4.2	79
44	A fuzzy-enhanced deep learning approach for early detection of Covid-19 pneumonia from portable chest X-ray images. Neurocomputing, 2022, 481, 202-215.	5.9	79
45	Dual-Branch Deep Convolution Neural Network for Polarimetric SAR Image Classification. Applied Sciences (Switzerland), 2017, 7, 447.	2.5	78
46	Sentic Album: Content-, Concept-, and Context-Based Online Personal Photo Management System. Cognitive Computation, 2012, 4, 477-496.	5.2	77
47	Common Sense Knowledge for Handwritten Chinese Text Recognition. Cognitive Computation, 2013, 5, 234-242.	5.2	73
48	Sentic blending: Scalable multimodal fusion for the continuous interpretation of semantics and sentics. , 2013, , .		69
49	<i>i</i>Worksafe: Towards Healthy Workplaces During COVID-19 With an Intelligent Phealth App for Industrial Settings. IEEE Access, 2021, 9, 13814-13828.	4.2	68
50	A Novel Deep Learning Method for Recognition and Classification of Brain Tumors from MRI Images. Diagnostics, 2021, 11, 744.	2.6	68
51	Merging SenticNet and WordNet-Affect emotion lists for sentiment analysis. , 2012, , .		65
52	A Neuro-Fuzzy Control System Based on Feature Extraction of Surface Electromyogram Signal for Solar-Powered Wheelchair. Cognitive Computation, 2016, 8, 946-954.	5.2	63
53	A novel deep learning driven, low-cost mobility prediction approach for 5G cellular networks: The case of the Control/Data Separation Architecture (CDSA). Neurocomputing, 2019, 358, 479-489.	5.9	63
54	A Novel Agent-Based Simulation Framework for Sensing in Complex Adaptive Environments. IEEE Sensors Journal, 2011, 11, 404-412.	4.7	60

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55	CochleaNet: A robust language-independent audio-visual model for real-time speech enhancement. Information Fusion, 2020, 63, 273-285.	19.1	60
56	Computational Intelligence for Affective Computing and Sentiment Analysis [Guest Editorial]. IEEE Computational Intelligence Magazine, 2019, 14, 16-17.	3.2	59
57	Common Sense Computing: From the Society of Mind to Digital Intuition and beyond. Lecture Notes in Computer Science, 2009, , 252-259.	1.3	58
58	Sentiment Analysis of Persian Movie Reviews Using Deep Learning. Entropy, 2021, 23, 596.	2.2	56
59	Application of multi-dimensional scaling and artificial neural networks for biologically inspired opinion mining. Biologically Inspired Cognitive Architectures, 2013, 4, 41-53.	0.9	53
60	Deep Learning Based Single Image Super-resolution: A Survey. International Journal of Automation and Computing, 2019, 16, 413-426.	4.5	53
61	Biometric Applications Related to Human Beings: There Is Life beyond Security. Cognitive Computation, 2013, 5, 136-151.	5.2	52
62	A novel automatic classification system based on hybrid unsupervised and supervised machine learning for electrospun nanofibers. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 64-76.	13.1	52
63	Sentic Computing: Exploitation of Common Sense for the Development of Emotion-Sensitive Systems. Lecture Notes in Computer Science, 2010, , 148-156.	1.3	52
64	Local energy-based shape histogram feature extraction technique for breast cancer diagnosis. Expert Systems With Applications, 2015, 42, 6990-6999.	7.6	51
65	Contextual deep learning-based audio-visual switching for speech enhancement in real-world environments. Information Fusion, 2020, 59, 163-170.	19.1	51
66	Deep learning driven multimodal fusion for automated deception detection. , 2017, , .		50
67	Anchor-free Convolutional Network with Dense Attention Feature Aggregation for Ship Detection in SAR Images. Remote Sensing, 2020, 12, 2619.	4.0	50
68	Detection of Diabetic Eye Disease from Retinal Images Using a Deep Learning Based CenterNet Model. Sensors, 2021, 21, 5283.	3.8	50
69	A novel context-aware multimodal framework for persian sentiment analysis. Neurocomputing, 2021, 457, 377-388.	5.9	50
70	Attention Graph Convolution Network for Image Segmentation in Big SAR Imagery Data. Remote Sensing, 2019, 11, 2586.	4.0	49
71	Autonomous intelligent cruise control using a novel multiple-controller framework incorporating fuzzy-logic-based switching and tuning. Neurocomputing, 2008, 71, 2727-2741.	5.9	48
72	A Survey on the Role of Wireless Sensor Networks and IoT in Disaster Management. Springer Natural Hazards, 2019, , 57-66.	0.3	44

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73	A Hybrid-Domain Deep Learning-Based BCI For Discriminating Hand Motion Planning From EEG Sources. International Journal of Neural Systems, 2021, 31, 2150038.	5.2	44
74	Complex-Valued Neural Networks With Nonparametric Activation Functions. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 140-150.	4.9	43
75	A novelÂexplainable machine learningÂapproachÂfor EEG-based brain-computer interface systems. Neural Computing and Applications, 2022, 34, 11347-11360.	5.6	43
76	Sentic Medoids: Organizing Affective Common Sense Knowledge in a Multi-Dimensional Vector Space. Lecture Notes in Computer Science, 2011, , 601-610.	1.3	43
77	A new biclustering technique based on crossing minimization. Neurocomputing, 2006, 69, 1882-1896.	5.9	41
78	Statistical Analysis Driven Optimized Deep Learning System for Intrusion Detection. Lecture Notes in Computer Science, 2018, , 759-769.	1.3	38
79	Novel Deep Convolutional Neural Network-Based Contextual Recognition of Arabic Handwritten Scripts. Entropy, 2021, 23, 340.	2.2	38
80	Lane-DeepLab: Lane semantic segmentation in automatic driving scenarios for high-definition maps. Neurocomputing, 2021, 465, 15-25.	5.9	36
81	SenticSpace: Visualizing Opinions and Sentiments in a Multi-dimensional Vector Space. Lecture Notes in Computer Science, 2010, , 385-393.	1.3	36
82	Unsupervised Commonsense Knowledge Enrichment for Domain-Specific Sentiment Analysis. Cognitive Computation, 2016, 8, 467-477.	5.2	35
83	A control theoretical view of cloud elasticity: taxonomy, survey and challenges. Cluster Computing, 2018, 21, 1735-1764.	5.0	35
84	Weakly Supervised Segmentation of SAR Imagery Using Superpixel and Hierarchically Adversarial CRF. Remote Sensing, 2019, 11, 512.	4.0	35
85	Novel logistic regression models to aid the diagnosis of dementia. Expert Systems With Applications, 2012, 39, 3356-3361.	7.6	34
86	A novel decision support system for the interpretation of remote sensing big data. Earth Science Informatics, 2018, 11, 31-45.	3.2	34
87	Advances in machine translation for sign language: approaches, limitations, and challenges. Neural Computing and Applications, 2021, 33, 14357-14399.	5.6	34
88	SentiALG: Automated Corpus Annotation for Algerian Sentiment Analysis. Lecture Notes in Computer Science, 2018, , 557-567.	1.3	33
89	Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. IEEE Transactions on Vehicular Technology, 2020, 69, 1568-1581.	6.3	33
90	A novel approach to stance detection in social media tweets by fusing ranked lists and sentiments. Information Fusion, 2021, 67, 29-40.	19.1	33

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91	A Machine Learning Approach to Detect Router Advertisement Flooding Attacks in Next-Generation IPv6 Networks. Cognitive Computation, 2018, 10, 201-214.	5.2	32
92	Large-scale Ensemble Model for Customer Churn Prediction in Search Ads. Cognitive Computation, 2019, 11, 262-270.	5.2	32
93	Guided Policy Search for Sequential Multitask Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 216-226.	9.3	32
94	Learning Polar Encodings for Arbitrary-Oriented Ship Detection in SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3846-3859.	4.9	32
95	Radar Sensing for Activity Classification in Elderly People Exploiting Micro-Doppler Signatures Using Machine Learning. Sensors, 2021, 21, 3881.	3.8	30
96	Benchmarking Multimodal Sentiment Analysis. Lecture Notes in Computer Science, 2018, , 166-179.	1.3	30
97	A Highly-Efficient Fuzzy-Based Controller With High Reduction Inputs and Membership Functions for a Grid-Connected Photovoltaic System. IEEE Access, 2020, 8, 163225-163237.	4.2	29
98	Extracting Time Expressions and Named Entities with Constituent-Based Tagging Schemes. Cognitive Computation, 2020, 12, 844-862.	5.2	29
99	Lip-Reading Driven Deep Learning Approach for Speech Enhancement. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 481-490.	4.9	29
100	Big Data Analytics: Perspective Shifting from Transactions to Ecosystems. IEEE Intelligent Systems, 2013, 28, 2-5.	4.0	27
101	A Novel Deep Learning-Based Multilevel Parallel Attention Neural (MPAN) Model for Multidomain Arabic Sentiment Analysis. IEEE Access, 2021, 9, 7508-7518.	4.2	27
102	An Augmented Artificial Intelligence Approach for Chronic Diseases Prediction. Frontiers in Public Health, 2022, 10, 860396.	2.7	27
103	From Spin to Swindle: Identifying Falsification in Financial Text. Cognitive Computation, 2016, 8, 729-745.	5.2	25
104	An online generalized eigenvalue version of Laplacian Eigenmaps for visual big data. Neurocomputing, 2016, 173, 127-136.	5.9	25
105	Exploiting Deep Learning for Persian Sentiment Analysis. Lecture Notes in Computer Science, 2018, , 597-604.	1.3	25
106	Computational and natural language processing based studies of hadith literature: a survey. Artificial Intelligence Review, 2019, 52, 1369-1414.	15.7	25
107	Understanding Public Perceptions of COVID-19 Contact Tracing Apps: Artificial Intelligenceâ€"Enabled Social Media Analysis. Journal of Medical Internet Research, 2021, 23, e26618.	4.3	25
108	Guest Editorial Data-Based Control, Modeling, and Optimization. IEEE Transactions on Neural Networks, 2011, 22, 2150-2153.	4.2	24

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109	A Novel Real-Time, Lightweight Chaotic-Encryption Scheme for Next-Generation Audio-Visual Hearing Aids. Cognitive Computation, 2020, 12, 589-601.	5.2	24
110	DNN Driven Speaker Independent Audio-Visual Mask Estimation for Speech Separation. , 0, , .		24
111	Music Genre Classification: A Semi-supervised Approach. Lecture Notes in Computer Science, 2013, , 254-263.	1.3	23
112	Dependency Tree-Based Rules for Concept-Level Aspect-Based Sentiment Analysis. Communications in Computer and Information Science, 2014, , 41-47.	0.5	23
113	Sentic Computing. Cognitive Computation, 2015, 7, 183-185.	5.2	23
114	A Cognitively Inspired System Architecture for the Mengshi Cognitive Vehicle. Cognitive Computation, 2020, 12, 140-149.	5.2	23
115	A Novel Attention Fully Convolutional Network Method for Synthetic Aperture Radar Image Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4585-4598.	4.9	23
116	User trustworthiness in online social networks: A systematic review. Applied Soft Computing Journal, 2021, 103, 107159.	7.2	23
117	PerSent: A Freely Available Persian Sentiment Lexicon. Lecture Notes in Computer Science, 2016, , 310-320.	1.3	23
118	A Machine Learning Approach Involving Functional Connectivity Features to Classify Rest-EEG Psychogenic Non-Epileptic Seizures from Healthy Controls. Sensors, 2022, 22, 129.	3.8	23
119	Visual Attention ModelÂBased Vehicle Target Detection in Synthetic Aperture Radar Images: A Novel Approach. Cognitive Computation, 2015, 7, 434-444.	5.2	22
120	Special Issue Editorial: Cognitively-Inspired Computing for Knowledge Discovery. Cognitive Computation, 2018, 10, 1-2.	5.2	22
121	Connections between e-learning, web science, cognitive computation and social sensing, and their relevance to learning analytics: AÂpreliminary study. Computers in Human Behavior, 2019, 92, 478-486.	8.5	22
122	A Novel Intelligent Computational Approach to Model Epidemiological Trends and Assess the Impact of Non-Pharmacological Interventions for COVID-19. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3551-3563.	6.3	22
123	A Review of Shorthand Systems: From Brachygraphy to Microtext and Beyond. Cognitive Computation, 2020, 12, 778-792.	5.2	22
124	Arabic question answering system: a survey. Artificial Intelligence Review, 2022, 55, 207-253.	15.7	22
125	FairDrop: Biased Edge Dropout for Enhancing Fairness in Graph Representation Learning. IEEE Transactions on Artificial Intelligence, 2022, 3, 344-354.	4.7	22
126	Modeling and design of MPPT controller for a PV module using PSCAD/EMTDC. , 2010, , .		20

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127	Verification & validation of an agent-based forest fire simulation model. , 2010, , .		20
128	Persian Named Entity Recognition. , 2017, , .		20
129	Ten Years of Sentic Computing. Cognitive Computation, 2022, 14, 5-23.	5.2	20
130	Sensing Emergence in Complex Systems. IEEE Sensors Journal, 2011, 11, 2479-2480.	4.7	19
131	Relation Extraction of Medical Concepts Using Categorization and Sentiment Analysis. Cognitive Computation, 2018, 10, 670-685.	5.2	19
132	Isanette: A Common and Common Sense Knowledge Base for Opinion Mining. , 2011, , .		18
133	A New Spatio-Temporal Saliency-Based Video Object Segmentation. Cognitive Computation, 2016, 8, 629-647.	5.2	18
134	Multimodal Sentiment Analysis. A Practical Guide To Sentiment Analysis, 2018, , .	0.3	18
135	Bi-level multi-objective evolution of a Multi-Layered Echo-State Network Autoencoder for data representations. Neurocomputing, 2019, 341, 195-211.	5.9	18
136	A Parameter Estimation Based MPPT Method for a PV System Using Lyapunov Control Scheme. IEEE Transactions on Sustainable Energy, 2019, 10, 2123-2132.	8.8	18
137	Improving aspect-level sentiment analysis with aspectÂextraction. Neural Computing and Applications, 2022, 34, 8333-8343.	5.6	18
138	A Novel Fuzzy Multilayer Perceptron (F-MLP) for the Detection of Irregularity in Skin Lesion Border Using Dermoscopic Images. Frontiers in Medicine, 2020, 7, 297.	2.6	18
139	Effects of annealing on nanocrystalline Bi2S3 thin films prepared by chemical bath deposition. Materials Science in Semiconductor Processing, 2014, 21, 74-81.	4.0	17
140	A Time-Frequency based Machine Learning System for Brain States Classification via EEG Signal Processing. , 2019, , .		17
141	Cognitively Inspired Feature Extraction and Speech Recognition for Automated Hearing Loss Testing. Cognitive Computation, 2019, 11, 489-502.	5.2	17
142	Real-Time Artifacts Reduction during TMS-EEG Co-Registration: A Comprehensive Review on Technologies and Procedures. Sensors, 2021, 21, 637.	3.8	17
143	A Semi-supervised Approach for Sentiment Analysis of Arab(ic+izi) Messages: Application to the Algerian Dialect. SN Computer Science, 2021, 2, 1.	3.6	17
144	A new hybrid agent-based modeling &#x00026; simulation decision support system for breast cancer data analysis. , 2009, , .		16

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145	Biologically Inspired Progressive Enhancement Target Detection from Heavy Cluttered SAR Images. Cognitive Computation, 2016, 8, 955-966.	5.2	16
146	A non-parametric softmax for improving neural attention in time-series forecasting. Neurocomputing, 2020, 381, 177-185.	5.9	16
147	Visual Speech In Real Noisy Environments (VISION): A Novel Benchmark Dataset and Deep Learning-Based Baseline System. , 0, , .		16
148	A novel multiple-controller incorporating a radial basis function neural network based generalized learning model. Neurocomputing, 2006, 69, 1868-1881.	5.9	15
149	(Re)presenting: Muslims on North American television. Contemporary Islam, 2010, 4, 55-75.	0.9	15
150	Novel Two-Stage Audiovisual Speech Filtering in Noisy Environments. Cognitive Computation, 2014, 6, 200-217.	5.2	15
151	Novel Biologically Inspired Approaches to Extracting Online Information from Temporal Data. Cognitive Computation, 2014, 6, 595-607.	5.2	15
152	A novel ontology and machine learning driven hybrid cardiovascular clinical prognosis as a complex adaptive clinical system. Complex Adaptive Systems Modeling, 2016, 4, .	1.6	15
153	Distributed Reservoir Computing with Sparse Readouts [Research Frontier]. IEEE Computational Intelligence Magazine, 2016, 11, 59-70.	3.2	15
154	A novel visual attention method for target detection from SAR images. Chinese Journal of Aeronautics, 2019, 32, 1946-1958.	5.3	15
155	A Semi-Supervised Synthetic Aperture Radar (SAR) Image Recognition Algorithm Based on an Attention Mechanism and Bias-Variance Decomposition. IEEE Access, 2019, 7, 108617-108632.	4.2	15
156	SenticNet. , 2015, , 23-71.		15
157	Ontology-Driven Cardiovascular Decision Support System. , 2011, , .		14
158	A Biologically Inspired Vision-Based Approach for Detecting Multiple Moving Objects in Complex Outdoor Scenes. Cognitive Computation, 2015, 7, 539-551.	5.2	14
159	Learning from Few Samples with Memory Network. Cognitive Computation, 2018, 10, 15-22.	5.2	14
160	Learning Latent Features With Infinite Nonnegative Binary Matrix Trifactorization. IEEE Transactions on Emerging Topics in Computational Intelligence, 2018, 2, 450-463.	4.9	14
161	Affective neural networks and cognitive learning systems for big data analysis. Neural Networks, 2014, 58, 1-3.	5.9	13
162	Machine learning based computer-aided diagnosis of liver tumours. , 2017, , .		13

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163	Three-Dimensional Local Energy-Based Shape Histogram (3D-LESH): A Novel Feature Extraction Technique. Expert Systems With Applications, 2018, 112, 388-400.	7.6	13
164	Improving surface integrity aspects of AISI 316L in the context of bioimplant applications. International Journal of Advanced Manufacturing Technology, 2019, 105, 2857-2867.	3.0	13
165	A Survey on Deep Learning for the Routing Layer of Computer Network. , 2019, , .		13
166	Novel Artificial Immune Networks-based optimization of shallow machine learning (ML) classifiers. Expert Systems With Applications, 2021, 165, 113834.	7.6	13
167	Airport Detection in SAR Images Via Salient Line Segment Detector and Edge-Oriented Region Growing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 314-326.	4.9	13
168	Artificial Intelligenceâ€"Enabled Social Media Analysis for Pharmacovigilance of COVID-19 Vaccinations in the United Kingdom: Observational Study. JMIR Public Health and Surveillance, 2022, 8, e32543.	2.6	13
169	EXPONENTIAL STABILIZATION OF THE INERTIA WHEEL PENDULUM USING DYNAMIC SURFACE CONTROL. Journal of Circuits, Systems and Computers, 2007, 16, 81-92.	1.5	12
170	Synthesis and electrical characteristics of Al/(p)PbS Schottky barrier junction. Materials Science in Semiconductor Processing, 2013, 16, 1918-1924.	4.0	12
171	Efficient text localization in born-digital images by local contrast-based segmentation. , 2015, , .		12
172	Towards GPU-Based Common-Sense Reasoning: Using Fast Subgraph Matching. Cognitive Computation, 2016, 8, 1074-1086.	5.2	12
173	Clustering-Oriented Multiple Convolutional Neural Networks for Single Image Super-Resolution. Cognitive Computation, 2018, 10, 165-178.	5.2	12
174	Emotional Vocal Expressions Recognition Using the COST 2102 Italian Database of Emotional Speech. Lecture Notes in Computer Science, 2010, , 255-267.	1.3	12
175	A novel multimodal fusion network based on a joint-coding model for lane line segmentation. Information Fusion, 2022, 80, 167-178.	19.1	12
176	Extending persian sentiment lexicon with idiomatic expressions for sentiment analysis. Social Network Analysis and Mining, 2022, 12, 1.	2.8	12
177	An Integrated â€‰Approach for Cancer Survival Prediction Using Data Mining Techniques. Computational Intelligence and Neuroscience, 2021, 2021, 1-14.	1.7	12
178	Social Network Analysis of trends in the consumer electronics domain. , 2011, , .		11
179	Optical and Electrical Properties of Doped and Undoped Prepared by Chemical Drop Method. Materials Sciences and Applications, 2011, 02, 163-168.	0.4	11
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181	Intelligent image processing techniques for cancer progression detection, recognition and prediction in the human liver. , 2014, , .		11
182	Integrating Twitter Traffic Information with Kalman Filter Models for Public Transportation Vehicle Arrival Time Prediction. , 2015, , 67-82.		11
183	AspNet: Aspect Extraction by Bootstrapping Generalization and Propagation Using an Aspect Network. Cognitive Computation, 2015, 7, 241-253.	5.2	11
184	A novel brain-inspired compression-based optimised multimodal fusion for emotion recognition. , 2017, , .		11
185	The Fundamental Code Unit of the Brain: Towards a New Model for Cognitive Geometry. Cognitive Computation, 2018, 10, 426-436.	5.2	11
186	Integrated GANs: Semi-Supervised SAR Target Recognition. IEEE Access, 2019, 7, 113999-114013.	4.2	11
187	A novel biologically-inspired target detection method based on saliency analysis for synthetic aperture radar (SAR) imagery. Neurocomputing, 2020, 402, 66-79.	5.9	11
188	Offline Arabic Handwriting Recognition Using Deep Machine Learning: A Review of Recent Advances. Lecture Notes in Computer Science, 2020, , 457-468.	1.3	11
189	Maximising Audiovisual Correlation with Automatic Lip Tracking and Vowel Based Segmentation. Lecture Notes in Computer Science, 2009, , 65-72.	1.3	11
190	A novel oversampling and feature selection hybrid algorithm for imbalanced data classification. Multimedia Tools and Applications, 2023, 82, 3231-3267.	3.9	11
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194	Toward a Formal, Visual Framework of Emergent Cognitive Development of Scholars. Cognitive Computation, 2014, 6, 113-124.	5.2	10
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197	Sentic Avatar: Multimodal Affective Conversational Agent with Common Sense. Lecture Notes in Computer Science, 2011, , 81-95.	1.3	10
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