

Amir Hussain

List of Publications by Year in descending order

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423
papers

13,503
citations

31902

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33814

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.	11.7	890
2	Applications of Deep Learning and Reinforcement Learning to Biological Data. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2063-2079.	7.2	596
3	Fusing audio, visual and textual clues for sentiment analysis from multimodal content. Neurocomputing, 2016, 174, 50-59.	3.5	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.	3.5	276
6	Agent-based computing from multi-agent systems to agent-based models: a visual survey. Scientometrics, 2011, 89, 479-499.	1.6	234
7	Sentic LSTM: a Hybrid Network for Targeted Aspect-Based Sentiment Analysis. Cognitive Computation, 2018, 10, 639-650.	3.6	232
8	Deep Learning in Mining Biological Data. Cognitive Computation, 2021, 13, 1-33.	3.6	231
9	TSDL: A Two-Stage Deep Learning Model for Efficient Network Intrusion Detection. IEEE Access, 2019, 7, 30373-30385.	2.6	220
10	Comparing Oversampling Techniques to Handle the Class Imbalance Problem: A Customer Churn Prediction Case Study. IEEE Access, 2016, 4, 7940-7957.	2.6	210
11	Unsupervised Machine Learning for Networking: Techniques, Applications and Research Challenges. IEEE Access, 2019, 7, 65579-65615.	2.6	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: A systematic review. Computer Science Review, 2021, 39, 100318.	10.2	196
14	Artificial Intelligence-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.	2.1	186
15	A novel multi-modal machine learning based approach for automatic classification of EEG recordings in dementia. Neural Networks, 2020, 123, 176-190.	3.3	185
16	The Hourglass of Emotions. Lecture Notes in Computer Science, 2012, , 144-157.	1.0	184
17	Semi-supervised learning for big social data analysis. Neurocomputing, 2018, 275, 1662-1673.	3.5	181
18	Multilingual Sentiment Analysis: State of the Art and Independent Comparison of Techniques. Cognitive Computation, 2016, 8, 757-771.	3.6	177

#	ARTICLE	IF	CITATIONS
19	A Convolutional Neural Network approach for classification of dementia stages based on 2D-spectral representation of EEG recordings. <i>Neurocomputing</i> , 2019, 323, 96-107.	3.5	175
20	Towards an intelligent framework for multimodal affective data analysis. <i>Neural Networks</i> , 2015, 63, 104-116.	3.3	173
21	Ensemble application of convolutional neural networks and multiple kernel learning for multimodal sentiment analysis. <i>Neurocomputing</i> , 2017, 261, 217-230.	3.5	167
22	A Review of Sentiment Analysis Research in Chinese Language. <i>Cognitive Computation</i> , 2017, 9, 423-435.	3.6	139
23	A Brain-Inspired Trust Management Model to Assure Security in a Cloud Based IoT Framework for Neuroscience Applications. <i>Cognitive Computation</i> , 2018, 10, 864-873.	3.6	139
24	Customer churn prediction in the telecommunication sector using a rough set approach. <i>Neurocomputing</i> , 2017, 237, 242-254.	3.5	136
25	A novel statistical analysis and autoencoder driven intelligent intrusion detection approach. <i>Neurocomputing</i> , 2020, 387, 51-62.	3.5	135
26	Multimodal Sentiment Analysis: Addressing Key Issues and Setting Up the Baselines. <i>IEEE Intelligent Systems</i> , 2018, 33, 17-25.	4.0	134
27	EmoSenticSpace: A novel framework for affective common-sense reasoning. <i>Knowledge-Based Systems</i> , 2014, 69, 108-123.	4.0	132
28	Word Polarity Disambiguation Using Bayesian Model and Opinion-Level Features. <i>Cognitive Computation</i> , 2015, 7, 369-380.	3.6	126
29	Comprehensive Taxonomies of Nature- and Bio-inspired Optimization: Inspiration Versus Algorithmic Behavior, Critical Analysis Recommendations. <i>Cognitive Computation</i> , 2020, 12, 897-939.	3.6	125
30	Sentic Computing for social media marketing. <i>Multimedia Tools and Applications</i> , 2012, 59, 557-577.	2.6	118
31	Sentiment Data Flow Analysis by Means of Dynamic Linguistic Patterns. <i>IEEE Computational Intelligence Magazine</i> , 2015, 10, 26-36.	3.4	118
32	Cross-modality interactive attention network for multispectral pedestrian detection. <i>Information Fusion</i> , 2019, 50, 20-29.	11.7	111
33	Sentic Computing. , 2015, , .		109
34	Concept-Level Sentiment Analysis with Dependency-Based Semantic Parsing: A Novel Approach. <i>Cognitive Computation</i> , 2015, 7, 487-499.	3.6	109
35	Effect of deposition temperature on the structural and optical properties of chemically prepared nanocrystalline lead selenide thin films. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 438-443.	1.5	98
36	A hybrid Persian sentiment analysis framework: Integrating dependency grammar based rules and deep neural networks. <i>Neurocomputing</i> , 2020, 380, 1-10.	3.5	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.	4.4	94
38	Sentic Web: A New Paradigm for Managing Social Media Affective Information. Cognitive Computation, 2011, 3, 480-489.	3.6	93
39	A New Algorithm for SAR Image Target Recognition Based on an Improved Deep Convolutional Neural Network. Cognitive Computation, 2019, 11, 809-824.	3.6	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.	6.2	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.	2.6	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.	3.5	79
45	Dual-Branch Deep Convolution Neural Network for Polarimetric SAR Image Classification. Applied Sciences (Switzerland), 2017, 7, 447.	1.3	78
46	Sentic Album: Content-, Concept-, and Context-Based Online Personal Photo Management System. Cognitive Computation, 2012, 4, 477-496.	3.6	77
47	Common Sense Knowledge for Handwritten Chinese Text Recognition. Cognitive Computation, 2013, 5, 234-242.	3.6	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.	2.6	68
50	A Novel Deep Learning Method for Recognition and Classification of Brain Tumors from MRI Images. Diagnostics, 2021, 11, 744.	1.3	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.	3.6	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.	3.5	63
54	A Novel Agent-Based Simulation Framework for Sensing in Complex Adaptive Environments. IEEE Sensors Journal, 2011, 11, 404-412.	2.4	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.	11.7	60
56	Computational Intelligence for Affective Computing and Sentiment Analysis [Guest Editorial]. IEEE Computational Intelligence Magazine, 2019, 14, 16-17.	3.4	59
57	Common Sense Computing: From the Society of Mind to Digital Intuition and beyond. Lecture Notes in Computer Science, 2009, , 252-259.	1.0	58
58	Sentiment Analysis of Persian Movie Reviews Using Deep Learning. Entropy, 2021, 23, 596.	1.1	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.	3.6	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.	8.5	52
63	Sentic Computing: Exploitation of Common Sense for the Development of Emotion-Sensitive Systems. Lecture Notes in Computer Science, 2010, , 148-156.	1.0	52
64	Local energy-based shape histogram feature extraction technique for breast cancer diagnosis. Expert Systems With Applications, 2015, 42, 6990-6999.	4.4	51
65	Contextual deep learning-based audio-visual switching for speech enhancement in real-world environments. Information Fusion, 2020, 59, 163-170.	11.7	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.	1.8	50
68	Detection of Diabetic Eye Disease from Retinal Images Using a Deep Learning Based CenterNet Model. Sensors, 2021, 21, 5283.	2.1	50
69	A novel context-aware multimodal framework for persian sentiment analysis. Neurocomputing, 2021, 457, 377-388.	3.5	50
70	Attention Graph Convolution Network for Image Segmentation in Big SAR Imagery Data. Remote Sensing, 2019, 11, 2586.	1.8	49
71	Autonomous intelligent cruise control using a novel multiple-controller framework incorporating fuzzy-logic-based switching and tuning. Neurocomputing, 2008, 71, 2727-2741.	3.5	48
72	A Survey on the Role of Wireless Sensor Networks and IoT in Disaster Management. Springer Natural Hazards, 2019, , 57-66.	0.1	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.	3.2	44
74	Complex-Valued Neural Networks With Nonparametric Activation Functions. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 140-150.	3.4	43
75	A novel explainable machine learning approach for EEG-based brain-computer interface systems. Neural Computing and Applications, 2022, 34, 11347-11360.	3.2	43
76	Sentic Medoids: Organizing Affective Common Sense Knowledge in a Multi-Dimensional Vector Space. Lecture Notes in Computer Science, 2011, , 601-610.	1.0	43
77	A new biclustering technique based on crossing minimization. Neurocomputing, 2006, 69, 1882-1896.	3.5	41
78	Statistical Analysis Driven Optimized Deep Learning System for Intrusion Detection. Lecture Notes in Computer Science, 2018, , 759-769.	1.0	38
79	Novel Deep Convolutional Neural Network-Based Contextual Recognition of Arabic Handwritten Scripts. Entropy, 2021, 23, 340.	1.1	38
80	Lane-DeepLab: Lane semantic segmentation in automatic driving scenarios for high-definition maps. Neurocomputing, 2021, 465, 15-25.	3.5	36
81	SenticSpace: Visualizing Opinions and Sentiments in a Multi-dimensional Vector Space. Lecture Notes in Computer Science, 2010, , 385-393.	1.0	36
82	Unsupervised Commonsense Knowledge Enrichment for Domain-Specific Sentiment Analysis. Cognitive Computation, 2016, 8, 467-477.	3.6	35
83	A control theoretical view of cloud elasticity: taxonomy, survey and challenges. Cluster Computing, 2018, 21, 1735-1764.	3.5	35
84	Weakly Supervised Segmentation of SAR Imagery Using Superpixel and Hierarchically Adversarial CRF. Remote Sensing, 2019, 11, 512.	1.8	35
85	Novel logistic regression models to aid the diagnosis of dementia. Expert Systems With Applications, 2012, 39, 3356-3361.	4.4	34
86	A novel decision support system for the interpretation of remote sensing big data. Earth Science Informatics, 2018, 11, 31-45.	1.6	34
87	Advances in machine translation for sign language: approaches, limitations, and challenges. Neural Computing and Applications, 2021, 33, 14357-14399.	3.2	34
88	SentiALG: Automated Corpus Annotation for Algerian Sentiment Analysis. Lecture Notes in Computer Science, 2018, , 557-567.	1.0	33
89	Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. IEEE Transactions on Vehicular Technology, 2020, 69, 1568-1581.	3.9	33
90	A novel approach to stance detection in social media tweets by fusing ranked lists and sentiments. Information Fusion, 2021, 67, 29-40.	11.7	33

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91	A Machine Learning Approach to Detect Router Advertisement Flooding Attacks in Next-Generation IPv6 Networks. <i>Cognitive Computation</i> , 2018, 10, 201-214.	3.6	32
92	Large-scale Ensemble Model for Customer Churn Prediction in Search Ads. <i>Cognitive Computation</i> , 2019, 11, 262-270.	3.6	32
93	Guided Policy Search for Sequential Multitask Learning. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 216-226.	5.9	32
94	Learning Polar Encodings for Arbitrary-Oriented Ship Detection in SAR Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 3846-3859.	2.3	32
95	Radar Sensing for Activity Classification in Elderly People Exploiting Micro-Doppler Signatures Using Machine Learning. <i>Sensors</i> , 2021, 21, 3881.	2.1	30
96	Benchmarking Multimodal Sentiment Analysis. <i>Lecture Notes in Computer Science</i> , 2018, , 166-179.	1.0	30
97	A Highly-Efficient Fuzzy-Based Controller With High Reduction Inputs and Membership Functions for a Grid-Connected Photovoltaic System. <i>IEEE Access</i> , 2020, 8, 163225-163237.	2.6	29
98	Extracting Time Expressions and Named Entities with Constituent-Based Tagging Schemes. <i>Cognitive Computation</i> , 2020, 12, 844-862.	3.6	29
99	Lip-Reading Driven Deep Learning Approach for Speech Enhancement. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021, 5, 481-490.	3.4	29
100	Big Data Analytics: Perspective Shifting from Transactions to Ecosystems. <i>IEEE Intelligent Systems</i> , 2013, 28, 2-5.	4.0	27
101	A Novel Deep Learning-Based Multilevel Parallel Attention Neural (MPAN) Model for Multidomain Arabic Sentiment Analysis. <i>IEEE Access</i> , 2021, 9, 7508-7518.	2.6	27
102	An Augmented Artificial Intelligence Approach for Chronic Diseases Prediction. <i>Frontiers in Public Health</i> , 2022, 10, 860396.	1.3	27
103	From Spin to Swindle: Identifying Falsification in Financial Text. <i>Cognitive Computation</i> , 2016, 8, 729-745.	3.6	25
104	An online generalized eigenvalue version of Laplacian Eigenmaps for visual big data. <i>Neurocomputing</i> , 2016, 173, 127-136.	3.5	25
105	Exploiting Deep Learning for Persian Sentiment Analysis. <i>Lecture Notes in Computer Science</i> , 2018, , 597-604.	1.0	25
106	Computational and natural language processing based studies of hadith literature: a survey. <i>Artificial Intelligence Review</i> , 2019, 52, 1369-1414.	9.7	25
107	Understanding Public Perceptions of COVID-19 Contact Tracing Apps: Artificial Intelligence-Enabled Social Media Analysis. <i>Journal of Medical Internet Research</i> , 2021, 23, e26618.	2.1	25
108	Guest Editorial Data-Based Control, Modeling, and Optimization. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 2150-2153.	4.8	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.	3.6	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.	1.0	23
112	Dependency Tree-Based Rules for Concept-Level Aspect-Based Sentiment Analysis. Communications in Computer and Information Science, 2014, , 41-47.	0.4	23
113	Sentic Computing. Cognitive Computation, 2015, 7, 183-185.	3.6	23
114	A Cognitively Inspired System Architecture for the Mengshi Cognitive Vehicle. Cognitive Computation, 2020, 12, 140-149.	3.6	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.	2.3	23
116	User trustworthiness in online social networks: A systematic review. Applied Soft Computing Journal, 2021, 103, 107159.	4.1	23
117	PerSent: A Freely Available Persian Sentiment Lexicon. Lecture Notes in Computer Science, 2016, , 310-320.	1.0	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.	2.1	23
119	Visual Attention Model-Based Vehicle Target Detection in Synthetic Aperture Radar Images: A Novel Approach. Cognitive Computation, 2015, 7, 434-444.	3.6	22
120	Special Issue Editorial: Cognitively-Inspired Computing for Knowledge Discovery. Cognitive Computation, 2018, 10, 1-2.	3.6	22
121	Connections between e-learning, web science, cognitive computation and social sensing, and their relevance to learning analytics: A preliminary study. Computers in Human Behavior, 2019, 92, 478-486.	5.1	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.	3.9	22
123	A Review of Shorthand Systems: From Brachygraphy to Microtext and Beyond. Cognitive Computation, 2020, 12, 778-792.	3.6	22
124	Arabic question answering system: a survey. Artificial Intelligence Review, 2022, 55, 207-253.	9.7	22
125	FairDrop: Biased Edge Dropout for Enhancing Fairness in Graph Representation Learning. IEEE Transactions on Artificial Intelligence, 2022, 3, 344-354.	3.4	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.	3.6	20
130	Sensing Emergence in Complex Systems. IEEE Sensors Journal, 2011, 11, 2479-2480.	2.4	19
131	Relation Extraction of Medical Concepts Using Categorization and Sentiment Analysis. Cognitive Computation, 2018, 10, 670-685.	3.6	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.	3.6	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.	3.5	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.	5.9	18
137	Improving aspect-level sentiment analysis with aspect extraction. Neural Computing and Applications, 2022, 34, 8333-8343.	3.2	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.	1.2	18
139	Effects of annealing on nanocrystalline Bi2S3 thin films prepared by chemical bath deposition. Materials Science in Semiconductor Processing, 2014, 21, 74-81.	1.9	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.	3.6	17
142	Real-Time Artifacts Reduction during TMS-EEG Co-Registration: A Comprehensive Review on Technologies and Procedures. Sensors, 2021, 21, 637.	2.1	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.	2.3	17
144	A new hybrid agent-based modeling & 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.	3.6	16
146	A non-parametric softmax for improving neural attention in time-series forecasting. Neurocomputing, 2020, 381, 177-185.	3.5	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.	3.5	15
149	(Re)presenting: Muslims on North American television. Contemporary Islam, 2010, 4, 55-75.	0.3	15
150	Novel Two-Stage Audiovisual Speech Filtering in Noisy Environments. Cognitive Computation, 2014, 6, 200-217.	3.6	15
151	Novel Biologically Inspired Approaches to Extracting Online Information from Temporal Data. Cognitive Computation, 2014, 6, 595-607.	3.6	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.	3.4	15
154	A novel visual attention method for target detection from SAR images. Chinese Journal of Aeronautics, 2019, 32, 1946-1958.	2.8	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.	2.6	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.	3.6	14
159	Learning from Few Samples with Memory Network. Cognitive Computation, 2018, 10, 15-22.	3.6	14
160	Learning Latent Features With Infinite Nonnegative Binary Matrix Trifactorization. IEEE Transactions on Emerging Topics in Computational Intelligence, 2018, 2, 450-463.	3.4	14
161	Affective neural networks and cognitive learning systems for big data analysis. Neural Networks, 2014, 58, 1-3.	3.3	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.	4.4	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.	1.5	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.	4.4	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.	2.3	13
168	Artificial Intelligence-Enabled Social Media Analysis for Pharmacovigilance of COVID-19 Vaccinations in the United Kingdom: Observational Study. JMIR Public Health and Surveillance, 2022, 8, e32543.	1.2	13
169	EXPONENTIAL STABILIZATION OF THE INERTIA WHEEL PENDULUM USING DYNAMIC SURFACE CONTROL. Journal of Circuits, Systems and Computers, 2007, 16, 81-92.	1.0	12
170	Synthesis and electrical characteristics of Al/(p)PbS Schottky barrier junction. Materials Science in Semiconductor Processing, 2013, 16, 1918-1924.	1.9	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.	3.6	12
173	Clustering-Oriented Multiple Convolutional Neural Networks for Single Image Super-Resolution. Cognitive Computation, 2018, 10, 165-178.	3.6	12
174	Emotional Vocal Expressions Recognition Using the COST 2102 Italian Database of Emotional Speech. Lecture Notes in Computer Science, 2010, , 255-267.	1.0	12
175	A novel multimodal fusion network based on a joint-coding model for lane line segmentation. Information Fusion, 2022, 80, 167-178.	11.7	12
176	Extending persian sentiment lexicon with idiomatic expressions for sentiment analysis. Social Network Analysis and Mining, 2022, 12, 1.	1.9	12
177	An Integrated Approach for Cancer Survival Prediction Using Data Mining Techniques. Computational Intelligence and Neuroscience, 2021, 2021, 1-14.	1.1	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.	0.3	11
180	Complex adaptive communication networks and environments: Part 1. Simulation, 2013, 89, 559-561.	1.1	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.	3.6	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.	3.6	11
186	Integrated GANs: Semi-Supervised SAR Target Recognition. IEEE Access, 2019, 7, 113999-114013.	2.6	11
187	A novel biologically-inspired target detection method based on saliency analysis for synthetic aperture radar (SAR) imagery. Neurocomputing, 2020, 402, 66-79.	3.5	11
188	Offline Arabic Handwriting Recognition Using Deep Machine Learning: A Review of Recent Advances. Lecture Notes in Computer Science, 2020, , 457-468.	1.0	11
189	Maximising Audiovisual Correlation with Automatic Lip Tracking and Vowel Based Segmentation. Lecture Notes in Computer Science, 2009, , 65-72.	1.0	11
190	A novel oversampling and feature selection hybrid algorithm for imbalanced data classification. Multimedia Tools and Applications, 2023, 82, 3231-3267.	2.6	11
191	Cognitive Computation: An Introduction. Cognitive Computation, 2009, 1, 1-3.	3.6	10
192	Service Oriented Architecture Based Web Application Model for Collaborative Biomedical Signal Analysis. Biomedizinische Technik, 2012, 57, .	0.9	10
193	Off-Line Handwritten Arabic Word Recognition Using SVMs with Normalized Poly Kernel. Lecture Notes in Computer Science, 2012, , 85-91.	1.0	10
194	Toward a Formal, Visual Framework of Emergent Cognitive Development of Scholars. Cognitive Computation, 2014, 6, 113-124.	3.6	10
195	Lung cancer detection using Local Energy-based Shape Histogram (LESH) feature extraction and cognitive machine learning techniques. , 2016, , .		10
196	A review on multi-task metric learning. Big Data Analytics, 2018, 3, .	2.2	10
197	Sentic Avatar: Multimodal Affective Conversational Agent with Common Sense. Lecture Notes in Computer Science, 2011, , 81-95.	1.0	10
198	Antimicrobial Resistance and Machine Learning: Challenges and Opportunities. IEEE Access, 2022, 10, 31561-31577.	2.6	10

#	ARTICLE	IF	CITATIONS
199	Cognitive and Emotional Information Processing for Human-Machine Interaction. Cognitive Computation, 2012, 4, 383-385.	3.6	9
200	Complex adaptive communication networks and environments: Part 2. Simulation, 2013, 89, 787-789.	1.1	9
201	Accelerating Infinite Ensemble of Clustering by Pivot Features. Cognitive Computation, 2018, 10, 1042-1050.	3.6	9
202	A comparison of two methods of using a serious game for teaching marine ecology in a university setting. International Journal of Human Computer Studies, 2019, 127, 181-189.	3.7	9
203	Cognitive Modelling and Learning for Multimedia Mining and Understanding. Cognitive Computation, 2019, 11, 761-762.	3.6	9
204	Saliency detection via multi-view graph based saliency optimization. Neurocomputing, 2019, 351, 156-166.	3.5	9
205	A Novel Multi-Stage Fusion based Approach for Gene Expression Profiling in Non-Small Cell Lung Cancer. IEEE Access, 2019, 7, 37141-37150.	2.6	9
206	Deep Neural Network Driven Binaural Audio Visual Speech Separation. , 2020, , .		9
207	Cognitively Inspired Audiovisual Speech Filtering. SpringerBriefs in Cognitive Computation, 2015, , .	0.1	9
208	An Ensemble Based Classification Approach for Persian Sentiment Analysis. Smart Innovation, Systems and Technologies, 2021, , 207-215.	0.5	9
209	Sliding mode control of a buck converter for maximum power point tracking of a solar panel. , 2013, , .		8
210	A Cognitively Inspired Approach to Two-Way Cluster Extraction from One-Way Clustered Data. Cognitive Computation, 2015, 7, 161-182.	3.6	8
211	IEEE Access Special Section Editorial: Health Informatics for the Developing World. IEEE Access, 2017, 5, 27818-27823.	2.6	8
212	Robust pixelwise saliency detection via progressive graph rankings. Neurocomputing, 2019, 329, 433-446.	3.5	8
213	A Convolutional Neural Network based self-learning approach for classifying neurodegenerative states from EEG signals in dementia. , 2020, , .		8
214	Customized 2D Barcode Sensing for Anti-Counterfeiting Application in Smart IoT with Fast Encoding and Information Hiding. Sensors, 2020, 20, 4926.	2.1	8
215	Does semantics aid syntax? An empirical study on named entity recognition and classification. Neural Computing and Applications, 2022, 34, 8373-8384.	3.2	8
216	A novel few-shot learning method for synthetic aperture radar image recognition. Neurocomputing, 2021, 465, 215-227.	3.5	8

#	ARTICLE	IF	CITATIONS
217	Deep Sparse Auto-Encoder Features Learning for Arabic Text Recognition. IEEE Access, 2021, 9, 18569-18584.	2.6	8
218	PerSent 2.0: Persian Sentiment Lexicon Enriched with Domain-Specific Words. Lecture Notes in Computer Science, 2020, , 497-509.	1.0	8
219	Cognitive Agent-based Computing-I. SpringerBriefs in Cognitive Computation, 2013, , .	0.1	8
220	Controlled and Automatic Processing in Animals and Machines with Application to Autonomous Vehicle Control. Lecture Notes in Computer Science, 2009, , 198-207.	1.0	8
221	Intelligibility improvements using binaural diverse sub-band processing applied to speech corrupted with automobile noise. IET Computer Vision, 2001, 148, 127.	1.3	7
222	Improved multiple description wavelet based image coding using subband uniform quantization. AEU - International Journal of Electronics and Communications, 2011, 65, 967-974.	1.7	7
223	A Novel Classification Algorithm Based on Incremental Semi-Supervised Support Vector Machine. PLoS ONE, 2015, 10, e0135709.	1.1	7
224	Temperature dependent current-voltage and photovoltaic properties of chemically prepared (p)Si/(n)Bi2S3 heterojunction. Egyptian Journal of Basic and Applied Sciences, 2016, 3, 314-321.	0.2	7
225	Modified Cat Swarm Optimization for Clustering. Lecture Notes in Computer Science, 2016, , 161-170.	1.0	7
226	Combining Deep Convolutional Neural Network and SVM to SAR Image Target Recognition. , 2017, , .		7
227	Toward's Arabic Multi-modal Sentiment Analysis. Lecture Notes in Electrical Engineering, 2019, , 2378-2386.	0.3	7
228	A Novel Multi-Input Bidirectional LSTM and HMM Based Approach for Target Recognition from Multi-Domain Radar Range Profiles. Electronics (Switzerland), 2019, 8, 535.	1.8	7
229	BitmapAligner: Bit-Parallelism String Matching with MapReduce and Hadoop. Computers, Materials and Continua, 2021, 68, 3931-3946.	1.5	7
230	An Investigation into Audiovisual Speech Correlation in Reverberant Noisy Environments. Lecture Notes in Computer Science, 2009, , 331-343.	1.0	7
231	Complex Adaptive Systems. SpringerBriefs in Cognitive Computation, 2013, , 21-32.	0.1	7
232	Exploiting Attention-Consistency Loss For Spatial-Temporal Stream Action Recognition. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-15.	3.0	7
233	Blind image deconvolution using space-variant neural network approach. Electronics Letters, 2005, 41, 308.	0.5	6
234	Temporal classification for fault-prediction in a real-world telecommunications network. , 0, , .		6

#	ARTICLE	IF	CITATIONS
235	Fuzzy Logic based Switching and Tuning Supervisor for a Multi-variable Multiple Controller. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	6
236	Analysis of elevated liver enzymes in an acute medical setting: Jaundice may indicate increased survival in elderly patients with bacterial sepsis. Saudi Journal of Gastroenterology, 2010, 16, 260.	0.5	6
237	Road Sign Detection and Recognition from Video Stream Using HSV, Contourlet Transform and Local Energy Based Shape Histogram. Lecture Notes in Computer Science, 2012, , 411-419.	1.0	6
238	A Review of Artificial Intelligence and Biologically Inspired Computational Approaches to Solving Issues in Narrative Financial Disclosure. Lecture Notes in Computer Science, 2013, , 317-327.	1.0	6
239	Introduction: Dealing with Big Data-Lessons from Cognitive Computing. Cognitive Computation, 2015, 7, 635-636.	3.6	6
240	Solar Powered Wheel Chair for Physically Challenged People Using Surface EMG Signal. , 2015, , .		6
241	Towards a Biologically Inspired Soft Switching Approach for Cloud Resource Provisioning. Cognitive Computation, 2016, 8, 992-1005.	3.6	6
242	Formal Ontology Generation by deep machine learning. , 2017, , .		6
243	Style-Neutralized Pattern Classification Based on Adversarially Trained Upgraded U-Net. Cognitive Computation, 2021, 13, 845-858.	3.6	6
244	A Novel Approach to Shadow Boundary Detection Based on an Adaptive Direction-Tracking Filter for Brain-Machine Interface Applications. Applied Sciences (Switzerland), 2020, 10, 6761.	1.3	6
245	Discriminative Dictionary Design for Action Classification in Still Images and Videos. Cognitive Computation, 2021, 13, 698.	3.6	6
246	Multi-lingual character handwriting framework based on an integrated deep learning based sequence-to-sequence attention model. Memetic Computing, 2021, 13, 459-475.	2.7	6
247	Cloud based scalable object recognition from video streams using orientation fusion and convolutional neural networks. Pattern Recognition, 2022, 121, 108207.	5.1	6
248	An Intelligent Multiple-Controller Framework for the Integrated Control of Autonomous Vehicles. Lecture Notes in Computer Science, 2012, , 92-101.	1.0	6
249	Neurobiologically-Inspired Soft Switching Control of Autonomous Vehicles. Lecture Notes in Computer Science, 2012, , 82-91.	1.0	6
250	Adaptation of Sentiment Analysis Techniques to Persian Language. Lecture Notes in Computer Science, 2018, , 129-140.	1.0	6
251	A Novel Fingerprinting Technique for Data Storing and Sharing through Clouds. Sensors, 2021, 21, 7647.	2.1	6
252	Binaural sub-band adaptive speech enhancement using artificial neural networks. Speech Communication, 1998, 25, 177-186.	1.6	5

#	ARTICLE	IF	CITATIONS
253	Misunderstandings and hurt: how Canadians joined worldwide Muslim reactions to Salman Rushdie's The Satanic Verses. Journal of the American Academy of Religion, 2002, 70, 1-32.	0.2	5
254	Hybrid HOS-SOS approach for blind equalisation of communication channels. Electronics Letters, 2005, 41, 376.	0.5	5
255	Dynamic surface control for stabilization of the oscillating eccentric rotor. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2007, 221, 311-319.	0.7	5
256	Multi-stage classification of Gyrodactylus species using machine learning and feature selection techniques. , 2011, , .		5
257	A Novel Ontology and Machine Learning Inspired Hybrid Cardiovascular Decision Support Framework. , 2015, , .		5
258	Electrical and photovoltaic characteristics of Ni/(n)Bi2S3 Schottky barrier junction. Superlattices and Microstructures, 2015, 80, 39-52.	1.4	5
259	Affective reasoning for big social data analysis. IEEE Transactions on Affective Computing, 2017, 8, 426-427.	5.7	5
260	A new two-layer mixture of factor analyzers with joint factor loading model for the classification of small dataset problems. Neurocomputing, 2018, 312, 352-363.	3.5	5
261	Random Features and Random Neurons for Brain-Inspired Big Data Analytics. , 2019, , .		5
262	Generalized Adversarial Training in Riemannian Space. , 2019, , .		5
263	BrainOS: A Novel Artificial Brain-Alike Automatic Machine Learning Framework. Frontiers in Computational Neuroscience, 2020, 14, 16.	1.2	5
264	Persuasive dialogue understanding: The baselines and negative results. Neurocomputing, 2021, 431, 47-56.	3.5	5
265	Effectiveness of virtual and augmented reality for improving knowledge and skills in medical students: protocol for a systematic review. BMJ Open, 2021, 11, e047004.	0.8	5
266	Conceptual text region network: Cognition-inspired accurate scene text detection. Neurocomputing, 2021, 464, 252-264.	3.5	5
267	Emergent Common Functional Principles in Control Theory and the Vertebrate Brain: A Case Study with Autonomous Vehicle Control. Lecture Notes in Computer Science, 2008, , 949-958.	1.0	5
268	Single LFP Sorting for High-Resolution Brain-Chip Interfacing. Lecture Notes in Computer Science, 2012, , 329-337.	1.0	5
269	A Basal Ganglia Inspired Soft Switching Approach to the Motion Control of a Car-Like Autonomous Vehicle. Lecture Notes in Computer Science, 2013, , 245-254.	1.0	5
270	Dynamic Multi Objective Particle Swarm optimization with Cooperative Agents. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
271	Guest Editorial: A Decade of Sentic Computing. <i>Cognitive Computation</i> , 2022, 14, 1-4.	3.6	5
272	Neural networks for fault-prediction in a telecommunications network. , 0, , .		4
273	Simulation of the research process. , 2008, , .		4
274	Editorial: Advances in complex control systems theory and applications. <i>IET Control Theory and Applications</i> , 2010, 4, 173-175.	1.2	4
275	Cognitive Computation Special Issue on Cognitive Behavioural Systems. <i>Cognitive Computation</i> , 2011, 3, 417-418.	3.6	4
276	A discrete event system specification (DEVS)-based model of consanguinity. <i>Journal of Theoretical Biology</i> , 2011, 285, 103-112.	0.8	4
277	Retrieval of Semantic Concepts Based on Analysis of Texts for Automatic Construction of Ontology. <i>Lecture Notes in Computer Science</i> , 2012, , 524-532.	1.0	4
278	A novel cardiovascular decision support framework for effective clinical risk assessment. , 2014, , .		4
279	A Novel Near-Infrared Spectroscopy Based Spatiotemporal Cognition Study of the Human Brain Using Clustering. <i>Cognitive Computation</i> , 2015, 7, 693-705.	3.6	4
280	Genetic optimization of fuzzy membership functions for cloud resource provisioning. , 2016, , .		4
281	Learning Latent Features with Infinite Non-negative Binary Matrix Tri-factorization. <i>Lecture Notes in Computer Science</i> , 2016, , 587-596.	1.0	4
282	Electrical characteristics of (n)Si/(p)PbS heterojunction prepared by chemical bath deposition technique. <i>Superlattices and Microstructures</i> , 2016, 89, 43-52.	1.4	4
283	A Multilevel Association Model for IT Employeesâ€™ Life Stress and Job Satisfaction: An Information Technology (IT) Industry Case Study. <i>MATEC Web of Conferences</i> , 2017, 139, 00114.	0.1	4
284	Computational Intelligence Techniques for Mobile Network Optimization [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , 2018, 13, 28-28.	3.4	4
285	Student Performance Prediction Using Algorithms of Data Mining. , 2018, , .		4
286	Fast Lip Feature Extraction Using Psychologically Motivated Gabor Features. , 2018, , .		4
287	Visual Speech Recognition with Lightweight Psychologically Motivated Gabor Features. <i>Entropy</i> , 2020, 22, 1367.	1.1	4
288	Encoding primitives generation policy learning for robotic arm to overcome catastrophic forgetting in sequential multi-tasks learning. <i>Neural Networks</i> , 2020, 129, 163-173.	3.3	4

#	ARTICLE	IF	CITATIONS
289	Impact of Relay Location of STANC Bi-Directional Transmission for Future Autonomous Internet of Things Applications. IEEE Access, 2020, 8, 29395-29406.	2.6	4
290	Novel deep neural network based pattern field classification architectures. Neural Networks, 2020, 127, 82-95.	3.3	4
291	Leveraging label hierarchy using transfer and multi-task learning: A case study on patent classification. Neurocomputing, 2021, 464, 421-431.	3.5	4
292	Novel Sub-band Adaptive Systems Incorporating Wiener Filtering for Binaural Speech Enhancement. Lecture Notes in Computer Science, 2006, , 318-327.	1.0	4
293	A Data Driven Approach to Audiovisual Speech Mapping. Lecture Notes in Computer Science, 2016, , 331-342.	1.0	4
294	A Novel Psychoacoustically Motivated Multichannel Speech Enhancement System. , 2007, , 190-199.		4
295	Decoding Network Activity from LFPs: A Computational Approach. Lecture Notes in Computer Science, 2012, , 584-591.	1.0	4
296	Design and Evaluation of a Button Sensor Antenna for On-Body Monitoring Activity in Healthcare Applications. Micromachines, 2022, 13, 475.	1.4	4
297	MULTI-SENSOR NEURAL-NETWORK PROCESSING OF NOISY SPEECH. International Journal of Neural Systems, 1999, 09, 467-471.	3.2	3
298	A modified generalised minimum-variance stochastic self-tuning controller with pole-zero placement. , 0, , .		3
299	A new neural network and pole placement based adaptive composite controller. , 0, , .		3
300	Muslims in Canada: Opportunities and challenges. Studies in Religion-Sciences Religieuses, 2004, 33, 359-379.	0.0	3
301	Blind equalisation of communication channels for equal energy sources: energy matching approach. Electronics Letters, 2006, 42, 247.	0.5	3
302	Water Quality Reliability Based Design of Water Distribution Networks. , 2012, , .		3
303	A NOVEL SAR TARGET DETECTION ALGORITHM BASED ON CONTEXTUAL KNOWLEDGE. Progress in Electromagnetics Research, 2013, 142, 123-140.	1.6	3
304	An efficient Computer Aided Decision Support System for breast cancer diagnosis using Echo State Network classifier. , 2014, , .		3
305	Convergence Analysis of a New Self Organizing Map Based Optimization (SOMO) Algorithm. Cognitive Computation, 2015, 7, 477-486.	3.6	3
306	Wrinkles energy based age estimation using discrete cosine transform. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
307	A Novel Method of Signal Fusion Based on Dimension Expansion. Circuits, Systems, and Signal Processing, 2018, 37, 4295-4318.	1.2	3
308	Speaker-Independent Multimodal Sentiment Analysis for Big Data. , 2019, , 13-43.		3
309	Improving deep neural network performance by integrating kernelized Min-Max objective. Neurocomputing, 2020, 408, 82-90.	3.5	3
310	Public Perception of the Fifth Generation of Cellular Networks (5G) on Social Media. Frontiers in Big Data, 2021, 4, 640868.	1.8	3
311	Coarse-grained generalized zero-shot learning with efficient self-focus mechanism. Neurocomputing, 2021, 463, 400-410.	3.5	3
312	An Investigation of Machine Learning and Neural Computation Paradigms in the Design of Clinical Decision Support Systems (CDSSs). Lecture Notes in Computer Science, 2016, , 58-67.	1.0	3
313	A brain-inspired soft switching approach: towards a cognitive cruise control system. , 2014, , .		3
314	Clinical Decision Support Systems: A Visual Survey. Informatica (Slovenia), 2018, 42, .	0.6	3
315	Towards IMACA: Intelligent Multimodal Affective Conversational Agent. Lecture Notes in Computer Science, 2012, , 656-663.	1.0	3
316	Semantically Inspired Electronic Healthcare Records. Lecture Notes in Computer Science, 2012, , 42-51.	1.0	3
317	Clustering Social Networks Using Interaction Semantics and Sentic. Lecture Notes in Computer Science, 2012, , 379-385.	1.0	3
318	Deep and Sparse Learning in Speech and Language Processing: An Overview. Lecture Notes in Computer Science, 2016, , 171-183.	1.0	3
319	Continuous Time Recurrent Neural Network Model of Recurrent Collaterals in the Hippocampus CA3 Region. Lecture Notes in Computer Science, 2016, , 343-354.	1.0	3
320	An Attribute Weight Estimation Using Particle Swarm Optimization and Machine Learning Approaches for Customer Churn Prediction. , 2021, , .		3
321	Novel single and multi-layer echo-state recurrent autoencoders for representation learning. Engineering Applications of Artificial Intelligence, 2022, 114, 105051.	4.3	3
322	Stochastic Resonance and Finite Resolution in a Network of Leaky Integrate-and-Fire Neurons. Lecture Notes in Computer Science, 2002, , 117-122.	1.0	2
323	New neural network based mobile location estimation in urban propagation models. , 0, , .		2
324	Novel non-linear PID based multiple-controller incorporating a neural network learning sub-model. , 0, , .		2

#	ARTICLE	IF	CITATIONS
325	Nonlinear Adaptive Speech Enhancement Inspired by Early Auditory Processing. Lecture Notes in Computer Science, 2005, , 291-316.	1.0	2
326	Efficient clinical decision making by learning from missing clinical data. , 2013, , .		2
327	A brain-computer interface test-bench based on EEG signals for research and student training. , 2013, , .		2
328	Cognitive computation: A case study in cognitive control of autonomous systems and some future directions. , 2013, , .		2
329	Cognitively inspired speech processing for multimodal hearing technology. , 2014, , .		2
330	A Localization Toolkit for Sentic Net. , 2014, , .		2
331	Enhancement of power system observability by optimal allocation of phasor measurement unit. , 2015, , .		2
332	An exploratory case study of interactive simulation for teaching Ecology. , 2016, , .		2
333	A Bayesian Assessment of Real-World Behavior During Multitasking. Cognitive Computation, 2017, 9, 749-757.	3.6	2
334	Managing association of information system outsourcing: A case of information technology (IT) service provider. , 2017, , .		2
335	Complex-valued computational model of hippocampal CA3 recurrent collaterals. , 2017, , .		2
336	Extracting online information from dual and multiple data streams. Neural Computing and Applications, 2018, 30, 87-98.	3.2	2
337	Towards workload-aware cloud resource provisioning using a multi-controller fuzzy switching approach. International Journal of High Performance Computing and Networking, 2018, 12, 13.	0.4	2
338	A Semi-supervised Corpus Annotation for Saudi Sentiment Analysis Using Twitter. Lecture Notes in Computer Science, 2018, , 589-596.	1.0	2
339	A Novel Semi-Supervised Learning Method Based on Fast Search and Density Peaks. Complexity, 2019, 2019, 1-23.	0.9	2
340	Design and evaluation of a biologically-inspired cloud elasticity framework. Cluster Computing, 2020, 23, 3095-3117.	3.5	2
341	Editorial: Special Issue on Recent Advances in Cognitive Learning and Data Analysis. Cognitive Computation, 2021, 13, 785-786.	3.6	2
342	A Novel Coupled Reaction-Diffusion System for Explainable Gene Expression Profiling. Sensors, 2021, 21, 2190.	2.1	2

#	ARTICLE	IF	CITATIONS
343	A novel domain activation mapping-guided network (DA-GNT) for visual tracking. Neurocomputing, 2021, 449, 443-454.	3.5	2
344	Sentic Computing for Social Media Analysis, Representation, and Retrieval. Computer Communications and Networks, 2013, , 191-215.	0.8	2
345	Classification of Fish Ectoparasite Genus Gyrodactylus SEM Images Using ASM and Complex Network Model. Lecture Notes in Computer Science, 2014, , 103-110.	1.0	2
346	Reflections on Exile. Amerasia Journal, 2004, 30, 17-23.	0.1	2
347	Predicting Insulin Resistance in Children Using a Machine-Learning-Based Clinical Decision Support System. Lecture Notes in Computer Science, 2016, , 274-283.	1.0	2
348	A Novel Fully Automated Liver and HCC Tumor Segmentation System Using Morphological Operations. Lecture Notes in Computer Science, 2016, , 240-250.	1.0	2
349	Saliency Detection via Bidirectional Absorbing Markov Chain. Lecture Notes in Computer Science, 2018, , 495-505.	1.0	2
350	RoadSeg-CD: A Network With Connectivity Array and Direction Map for Road Extraction From SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3992-4003.	2.3	2
351	IEEE International Multi Topic Conference 2001 - IEEE INMIC 2001. , 2001, , .		1
352	A Muslim Perspective on Interfaith Dialogue with Christians. Review & Expositor, 2008, 105, 53-66.	0.1	1
353	A side-effects mapping model in patients with lung, colorectal and breast cancer receiving chemotherapy. , 2011, , .		1
354	Impact of soil moisture depletions, planting geometry and soil texture on bio economic efficiency of autumn sugarcane under arid conditions. Agricultural Water Management, 2011, 101, 1-7.	2.4	1
355	In the Decade After 9/11. Political Theology, 2011, 12, 696-698.	0.1	1
356	Self-Reported "Communication Technology" Usage in Patients Attending a Cardiology Outpatient Clinic in a Remote Regional Hospital. Telemedicine Journal and E-Health, 2012, 18, 219-224.	1.6	1
357	A Novel Road Traffic Sign Detection and Recognition Approach by Introducing CCM and LESH. Lecture Notes in Computer Science, 2012, , 629-636.	1.0	1
358	The development of an intelligent tutorial system for system development. , 2014, , .		1
359	Automatic object-oriented coding facility for product life cycle management of discrete products. International Journal of Computer Integrated Manufacturing, 2014, 27, 60-84.	2.9	1
360	A novel mortality model for acute alcoholic hepatitis including variables recorded after admission to hospital. Computers in Biology and Medicine, 2014, 44, 132-135.	3.9	1

#	ARTICLE	IF	CITATIONS
361	An Agent-Based Approach for Modelling Peer to Peer Networks. , 2015, , .		1
362	Computational Intelligence for Changing Environments [Guest Editorial]. IEEE Computational Intelligence Magazine, 2015, 10, 10-11.	3.4	1
363	Knowledge-oriented leadership and innovation: A mediating role of knowledge creation: A case of software industry. , 2017, , .		1
364	Spatial-temporal representatives selection and weighted patch descriptor for person re-identification. Neurocomputing, 2018, 290, 121-129.	3.5	1
365	Concept Extraction from Natural Text for Concept Level Text Analysis. A Practical Guide To Sentiment Analysis, 2018, , 79-84.	0.3	1
366	EmoSenticSpace: Dense Concept-Based Affective Features with Common-Sense Knowledge. A Practical Guide To Sentiment Analysis, 2018, , 85-116.	0.3	1
367	Editorial: Physiological Computing of Social Cognition. Frontiers in Human Neuroscience, 2019, 13, 326.	1.0	1
368	MPSSD: Multi-Path Fusion Single Shot Detector. , 2019, , .		1
369	SimpleGAN Stabilizing Generative Adversarial Networks with Simple Distributions. , 2019, , .		1
370	A Comparison of Machine Learning Approaches for Predicting the Progression of Crohn's Disease. , 2020, , .		1
371	Conference Report on 2020 IEEE World Congress on Computational Intelligence (IEEE WCCI 2020) [Conference Reports]. IEEE Computational Intelligence Magazine, 2021, 16, 15-98.	3.4	1
372	Improving generative adversarial networks with simple latent distributions. Neural Computing and Applications, 2021, 33, 13193-13203.	3.2	1
373	SenticNet. A Practical Guide To Sentiment Analysis, 2017, , 39-103.	0.3	1
374	Using Biclustering for Automatic Attribute Selection to Enhance Global Visualization. Lecture Notes in Computer Science, 2007, , 35-47.	1.0	1
375	Analysis of Pesticide Application Practices Using an Intelligent Agriculture Decision Support System (ADSS). Lecture Notes in Computer Science, 2012, , 382-391.	1.0	1
376	Switching Between Different Ways to Think. Lecture Notes in Computer Science, 2011, , 56-69.	1.0	1
377	Sentic Maxine: Multimodal Affective Fusion and Emotional Paths. Lecture Notes in Computer Science, 2012, , 555-565.	1.0	1
378	The Use of ASM Feature Extraction and Machine Learning for the Discrimination of Members of the Fish Ectoparasite Genus Gyrodactylus. Lecture Notes in Computer Science, 2012, , 256-263.	1.0	1

#	ARTICLE	IF	CITATIONS
379	Conceptual Clustering of Documents for Automatic Ontology Generation. Lecture Notes in Computer Science, 2013, , 235-244.	1.0	1
380	Improved Efficiency of Road Sign Detection and Recognition by Employing Kalman Filter. Lecture Notes in Computer Science, 2013, , 216-224.	1.0	1
381	Sentic Applications. , 2015, , 107-153.		1
382	Style Neutralization Generative Adversarial Classifier. Lecture Notes in Computer Science, 2018, , 3-13.	1.0	1
383	A Novel Semi-supervised Classification Method Based on Class Certainty of Samples. Lecture Notes in Computer Science, 2018, , 315-324.	1.0	1
384	Integrating SUMO and Kalman Filter Models towards a Social Network based Approach of Public Transport Arrival Time Prediction. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	1
385	Self-focus Deep Embedding Model for Coarse-Grained Zero-Shot Classification. Lecture Notes in Computer Science, 2020, , 12-22.	1.0	1
386	Disturbance Observer based Controller Design to Reduce Sensor Count in Standalone PVDG Systems. , 2020, , .		1
387	Stability analysis of a new non-linear pole-zero placement controller incorporating neural networks. , 0, , .		0
388	Dissimilarity Analysis of Signal Processing Methods for Texture Classification. , 2005, , .		0
389	The global importance of "illiberal moderates"™, an exchange: partners in peace to precede a concert of democracies. Cambridge Review of International Affairs, 2008, 21, 159-178.	1.2	0
390	Special issue on non-linear and non-conventional speech processing. Speech Communication, 2009, 51, 713.	1.6	0
391	V474 "ANATOMIC RETRO-APICAL TECHNIQUE" FOR SYNCHRONOUS POSTERO-ANTERIOR APPROACH TO APICAL TRANSECTION DURING ROBOTIC RADICAL PROSTATECTOMY. Journal of Urology, 2010, 183, .	0.2	0
392	Preface to the Sentiment Elicitation from Natural Text for Information Retrieval and Extraction Workshop. , 2011, , .		0
393	In Memory of John G Taylor: A Polymath Scholar. Cognitive Computation, 2013, 5, 279-280.	3.6	0
394	Special issue on International Symposium on Neural Networks. Neurocomputing, 2014, 125, 1-2.	3.5	0
395	Editor's Note: Adi's. Journal of the American Academy of Religion, 2015, 83, 885-886.	0.2	0
396	Predicting Obesity Using Longitudinal Near Infra-Red Spectroscopy (NIRS) Data. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
397	Message from the SmartData-2017 General Chairs. , 2017, , .		0
398	A Novel Spatiotemporal Longitudinal Methodology for Predicting Obesity Using Near Infrared Spectroscopy (NIRS) Cerebral Functional Activity Data. Cognitive Computation, 2018, 10, 591-609.	3.6	0
399	Special Issue of BICS 2016. Cognitive Computation, 2018, 10, 282-283.	3.6	0
400	Improving Deep Neural Network Performance with Kernelized Min-Max Objective. Lecture Notes in Computer Science, 2018, , 182-191.	1.0	0
401	Literature Survey and Datasets. A Practical Guide To Sentiment Analysis, 2018, , 37-78.	0.3	0
402	The Legacy of Wilfred Cantwell Smith. Toronto Journal of Theology, 2018, 34, 267-276.	0.0	0
403	Before Orthodoxy: The Satanic Verses in Early Islam. By Shahab Ahmed. Journal of the American Academy of Religion, 2018, 86, 1151-1152.	0.2	0
404	Primitives Generation Policy Learning without Catastrophic Forgetting for Robotic Manipulation. , 2019, , .		0
405	From ancient times to modern: realizing the power of data visualization in healthcare and medicine. Big Data Analytics, 2020, 5, .	2.2	0
406	A Multipath Fusion Strategy Based Single Shot Detector. Sensors, 2021, 21, 1360.	2.1	0
407	The COST-277 European Action: An Overview. Lecture Notes in Computer Science, 2006, , 1-9.	1.0	0
408	Multi-modal Speech Processing Methods: An Overview and Future Research Directions Using a MATLAB Based Audio-Visual Toolbox. Lecture Notes in Computer Science, 2009, , 121-129.	1.0	0
409	Potential Future Research Directions. SpringerBriefs in Cognitive Computation, 2015, , 111-114.	0.1	0
410	Audio and Visual Speech Relationship. SpringerBriefs in Cognitive Computation, 2015, , 5-12.	0.1	0
411	A Two Stage Multimodal Speech Enhancement System. SpringerBriefs in Cognitive Computation, 2015, , 35-51.	0.1	0
412	Sentic Patterns. , 2015, , 73-106.		0
413	Towards Fuzzy Logic Based Multimodal Speech Filtering. SpringerBriefs in Cognitive Computation, 2015, , 75-90.	0.1	0
414	ELM Based Algorithms for Acoustic Template Matching in Home Automation Scenarios: Advancements and Performance Analysis. Smart Innovation, Systems and Technologies, 2016, , 159-168.	0.5	0

#	ARTICLE	IF	CITATIONS
415	A New Biologically-Inspired Analytical Worm Propagation Model for Mobile Unstructured Peer-to-Peer Networks. Lecture Notes in Computer Science, 2016, , 251-263.	1.0	0
416	Visual Attention Model with a Novel Learning Strategy and Its Application to Target Detection from SAR Images. Lecture Notes in Computer Science, 2016, , 149-160.	1.0	0
417	Improve Deep Learning with Unsupervised Objective. Lecture Notes in Computer Science, 2017, , 720-728.	1.0	0
418	Application to Sentiment Analysis. A Practical Guide To Sentiment Analysis, 2017, , 105-125.	0.3	0
419	A Quantum based Evolutionary Algorithm for Stock Index and Bitcoin Price Forecasting. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.5	0
420	Seeking Understanding: Helping Graduate Students to Write for Scholarly Journals in Religion. Religious Studies and Theology, 2019, 38, 218-222.	0.1	0
421	Height Prediction for Growth Hormone Deficiency Treatment Planning Using Deep Learning. Lecture Notes in Computer Science, 2020, , 76-85.	1.0	0
422	Pixel-Wise Segmentation of SAR Imagery Using Encoder-Decoder Network and Fully-Connected CRF. Lecture Notes in Computer Science, 2020, , 155-165.	1.0	0
423	Toward a Muslim Theology of Migration. , 0, , .		0