

Amir Hussain

List of Publications by Citations

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

399
papers

8,118
citations

48
h-index

79
g-index

470
ext. papers

10,755
ext. citations

3.5
avg, IF

7.09
L-index

#	Paper	IF	Citations
399	A review of affective computing: From unimodal analysis to multimodal fusion. <i>Information Fusion</i> , 2017 , 37, 98-125	16.7	512
398	Applications of Deep Learning and Reinforcement Learning to Biological Data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 2063-2079	10.3	368
397	Fusing audio, visual and textual clues for sentiment analysis from multimodal content. <i>Neurocomputing</i> , 2016 , 174, 50-59	5.4	262
396	Convolutional MKL Based Multimodal Emotion Recognition and Sentiment Analysis 2016 ,		187
395	Agent-based computing from multi-agent systems to agent-based models: a visual survey. <i>Scientometrics</i> , 2011 , 89, 479-499	3	185
394	Group sparse regularization for deep neural networks. <i>Neurocomputing</i> , 2017 , 241, 81-89	5.4	169
393	Enhanced SenticNet with Affective Labels for Concept-Based Opinion Mining. <i>IEEE Intelligent Systems</i> , 2013 , 28, 31-38	4.2	162
392	Sentic LSTM: a Hybrid Network for Targeted Aspect-Based Sentiment Analysis. <i>Cognitive Computation</i> , 2018 , 10, 639-650	4.4	146
391	Semi-supervised learning for big social data analysis. <i>Neurocomputing</i> , 2018 , 275, 1662-1673	5.4	140
390	Sentic Computing. <i>SpringerBriefs in Cognitive Computation</i> , 2012 ,		133
389	The Hourglass of Emotions. <i>Lecture Notes in Computer Science</i> , 2012 , 144-157	0.9	128
388	Towards an intelligent framework for multimodal affective data analysis. <i>Neural Networks</i> , 2015 , 63, 104-16	9.1	127
387	Deep Learning in Mining Biological Data. <i>Cognitive Computation</i> , 2021 , 13, 1-33	4.4	127
386	. <i>IEEE Access</i> , 2016 , 4, 7940-7957	3.5	120
385	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	5.4	113
384	Multilingual Sentiment Analysis: State of the Art and Independent Comparison of Techniques. <i>Cognitive Computation</i> , 2016 , 8, 757-771	4.4	111
383	Ensemble application of convolutional neural networks and multiple kernel learning for multimodal sentiment analysis. <i>Neurocomputing</i> , 2017 , 261, 217-230	5.4	108

382	. <i>IEEE Access</i> , 2019 , 7, 30373-30385	3.5	108
381	Word Polarity Disambiguation Using Bayesian Model and Opinion-Level Features. <i>Cognitive Computation</i> , 2015 , 7, 369-380	4.4	107
380	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	4.4	100
379	EmoSenticSpace: A novel framework for affective common-sense reasoning. <i>Knowledge-Based Systems</i> , 2014 , 69, 108-123	7.3	100
378	Sentiment Data Flow Analysis by Means of Dynamic Linguistic Patterns. <i>IEEE Computational Intelligence Magazine</i> , 2015 , 10, 26-36	5.6	97
377	A Review of Sentiment Analysis Research in Chinese Language. <i>Cognitive Computation</i> , 2017 , 9, 423-435	4.4	90
376	Unsupervised Machine Learning for Networking: Techniques, Applications and Research Challenges. <i>IEEE Access</i> , 2019 , 7, 65579-65615	3.5	89
375	Sentic Computing for social media marketing. <i>Multimedia Tools and Applications</i> , 2012 , 59, 557-577	2.5	86
374	A novel multi-modal machine learning based approach for automatic classification of EEG recordings in dementia. <i>Neural Networks</i> , 2020 , 123, 176-190	9.1	85
373	Customer churn prediction in the telecommunication sector using a rough set approach. <i>Neurocomputing</i> , 2017 , 237, 242-254	5.4	84
372	Concept-Level Sentiment Analysis with Dependency-Based Semantic Parsing: A Novel Approach. <i>Cognitive Computation</i> , 2015 , 7, 487-499	4.4	81
371	Sentic Computing 2015 ,		78
370	Sentic Web: A New Paradigm for Managing Social Media Affective Information. <i>Cognitive Computation</i> , 2011 , 3, 480-489	4.4	76
369	Big data and IoT-based applications in smart environments: A systematic review. <i>Computer Science Review</i> , 2021 , 39, 100318	8.3	70
368	Multimodal Sentiment Analysis: Addressing Key Issues and Setting Up the Baselines. <i>IEEE Intelligent Systems</i> , 2018 , 33, 17-25	4.2	70
367	Sentic PROMs: Application of sentic computing to the development of a novel unified framework for measuring health-care quality. <i>Expert Systems With Applications</i> , 2012 , 39, 10533-10543	7.8	69
366	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. <i>Journal of Medical Internet Research</i> , 2021 , 23, e26627	7.6	67
365	Sentic Album: Content-, Concept-, and Context-Based Online Personal Photo Management System. <i>Cognitive Computation</i> , 2012 , 4, 477-496	4.4	66

364	Agent-based tools for modeling and simulation of self-organization in peer-to-peer, ad hoc, and other complex networks 2009 , 47, 166-173		65
363	A hybrid Persian sentiment analysis framework: Integrating dependency grammar based rules and deep neural networks. <i>Neurocomputing</i> , 2020 , 380, 1-10	5.4	63
362	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, 438-43	3	62
361	A novel statistical analysis and autoencoder driven intelligent intrusion detection approach. <i>Neurocomputing</i> , 2020 , 387, 51-62	5.4	62
360	Sentic Computing for patient centered applications 2010 ,		61
359	A New Algorithm for SAR Image Target Recognition Based on an Improved Deep Convolutional Neural Network. <i>Cognitive Computation</i> , 2019 , 11, 809-824	4.4	59
358	Common Sense Knowledge for Handwritten Chinese Text Recognition. <i>Cognitive Computation</i> , 2013 , 5, 234-242	4.4	58
357	Comprehensive Taxonomies of Nature- and Bio-inspired Optimization: Inspiration Versus Algorithmic Behavior, Critical Analysis Recommendations. <i>Cognitive Computation</i> , 2020 , 12, 897-939	4.4	57
356	Dual-Branch Deep Convolution Neural Network for Polarimetric SAR Image Classification. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 447	2.6	53
355	Multilayered Echo State Machine: A Novel Architecture and Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 946-959	10.2	50
354	Biometric Applications Related to Human Beings: There Is Life beyond Security. <i>Cognitive Computation</i> , 2013 , 5, 136-151	4.4	48
353	A Novel Agent-Based Simulation Framework for Sensing in Complex Adaptive Environments. <i>IEEE Sensors Journal</i> , 2011 , 11, 404-412	4	48
352	iWorksafe: Towards Healthy Workplaces During COVID-19 With an Intelligent Phealth App for Industrial Settings. <i>IEEE Access</i> , 2021 , 9, 13814-13828	3.5	48
351	Application of multi-dimensional scaling and artificial neural networks for biologically inspired opinion mining. <i>Biologically Inspired Cognitive Architectures</i> , 2013 , 4, 41-53		46
350	Sentic Computing: Exploitation of Common Sense for the Development of Emotion-Sensitive Systems. <i>Lecture Notes in Computer Science</i> , 2010 , 148-156	0.9	45
349	A Neuro-Fuzzy Control System Based on Feature Extraction of Surface Electromyogram Signal for Solar-Powered Wheelchair. <i>Cognitive Computation</i> , 2016 , 8, 946-954	4.4	44
348	Merging SenticNet and WordNet-Affect emotion lists for sentiment analysis 2012 ,		42
347	Cross-modality interactive attention network for multispectral pedestrian detection. <i>Information Fusion</i> , 2019 , 50, 20-29	16.7	42

346	Local energy-based shape histogram feature extraction technique for breast cancer diagnosis. <i>Expert Systems With Applications</i> , 2015 , 42, 6990-6999	7.8	41
345	Autonomous intelligent cruise control using a novel multiple-controller framework incorporating fuzzy-logic-based switching and tuning. <i>Neurocomputing</i> , 2008 , 71, 2727-2741	5.4	40
344	Sentic blending: Scalable multimodal fusion for the continuous interpretation of semantics and sentics 2013 ,		38
343	Common Sense Computing: From the Society of Mind to Digital Intuition and beyond. <i>Lecture Notes in Computer Science</i> , 2009 , 252-259	0.9	38
342	Big Data Analytics and Mining for Effective Visualization and Trends Forecasting of Crime Data. <i>IEEE Access</i> , 2019 , 7, 106111-106123	3.5	35
341	A novel deep learning driven, low-cost mobility prediction approach for 5G cellular networks: The case of the Control/Data Separation Architecture (CDSA). <i>Neurocomputing</i> , 2019 , 358, 479-489	5.4	34
340	Deep Learning Based Single Image Super-resolution: A Survey. <i>International Journal of Automation and Computing</i> , 2019 , 16, 413-426	3.5	33
339	A new biclustering technique based on crossing minimization. <i>Neurocomputing</i> , 2006 , 69, 1882-1896	5.4	33
338	Dependency-Based Semantic Parsing for Concept-Level Text Analysis. <i>Lecture Notes in Computer Science</i> , 2014 , 113-127	0.9	32
337	A novel automatic classification system based on hybrid unsupervised and supervised machine learning for electrospun nanofibers. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 64-76	7	30
336	Computational Intelligence for Affective Computing and Sentiment Analysis [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , 2019 , 14, 16-17	5.6	29
335	Attention Graph Convolution Network for Image Segmentation in Big SAR Imagery Data. <i>Remote Sensing</i> , 2019 , 11, 2586	5	29
334	Anchor-free Convolutional Network with Dense Attention Feature Aggregation for Ship Detection in SAR Images. <i>Remote Sensing</i> , 2020 , 12, 2619	5	27
333	Unsupervised Commonsense Knowledge Enrichment for Domain-Specific Sentiment Analysis. <i>Cognitive Computation</i> , 2016 , 8, 467-477	4.4	26
332	SenticSpace: Visualizing Opinions and Sentiments in a Multi-dimensional Vector Space. <i>Lecture Notes in Computer Science</i> , 2010 , 385-393	0.9	26
331	Weakly Supervised Segmentation of SAR Imagery Using Superpixel and Hierarchically Adversarial CRF. <i>Remote Sensing</i> , 2019 , 11, 512	5	24
330	CochleaNet: A robust language-independent audio-visual model for real-time speech enhancement. <i>Information Fusion</i> , 2020 , 63, 273-285	16.7	24
329	Novel logistic regression models to aid the diagnosis of dementia. <i>Expert Systems With Applications</i> , 2012 , 39, 3356-3361	7.8	24

328	Sentic Medoids: Organizing Affective Common Sense Knowledge in a Multi-Dimensional Vector Space. <i>Lecture Notes in Computer Science</i> , 2011 , 601-610	0.9	24
327	Statistical Analysis Driven Optimized Deep Learning System for Intrusion Detection. <i>Lecture Notes in Computer Science</i> , 2018 , 759-769	0.9	24
326	A novel decision support system for the interpretation of remote sensing big data. <i>Earth Science Informatics</i> , 2018 , 11, 31-45	2.5	23
325	A novel context-aware multimodal framework for persian sentiment analysis. <i>Neurocomputing</i> , 2021 , 457, 377-388	5.4	23
324	Special Issue Editorial: Cognitively-Inspired Computing for Knowledge Discovery. <i>Cognitive Computation</i> , 2018 , 10, 1-2	4.4	22
323	SentiALG: Automated Corpus Annotation for Algerian Sentiment Analysis. <i>Lecture Notes in Computer Science</i> , 2018 , 557-567	0.9	22
322	An online generalized eigenvalue version of Laplacian Eigenmaps for visual big data. <i>Neurocomputing</i> , 2016 , 173, 127-136	5.4	21
321	A Survey on the Role of Wireless Sensor Networks and IoT in Disaster Management. <i>Springer Natural Hazards</i> , 2019 , 57-66	0.7	21
320	Complex-Valued Neural Networks With Nonparametric Activation Functions. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 140-150	4.1	21
319	Contextual deep learning-based audio-visual switching for speech enhancement in real-world environments. <i>Information Fusion</i> , 2020 , 59, 163-170	16.7	21
318	A control theoretical view of cloud elasticity: taxonomy, survey and challenges. <i>Cluster Computing</i> , 2018 , 21, 1735-1764	2.1	20
317	Deep learning driven multimodal fusion for automated deception detection 2017 ,		20
316	PerSent: A Freely Available Persian Sentiment Lexicon. <i>Lecture Notes in Computer Science</i> , 2016 , 310-320	0.9	20
315	Guided Policy Search for Sequential Multitask Learning. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 216-226	7.3	20
314	A Machine Learning Approach to Detect Router Advertisement Flooding Attacks in Next-Generation IPv6 Networks. <i>Cognitive Computation</i> , 2018 , 10, 201-214	4.4	19
313	A novel explainable machine learning approach for EEG-based brain-computer interface systems. <i>Neural Computing and Applications</i> , 2021 , 33, 1-12	4.8	19
312	Sentiment Analysis of Persian Movie Reviews Using Deep Learning. <i>Entropy</i> , 2021 , 23, 1-15	2.8	19
311	Big Data Analytics: Perspective Shifting from Transactions to Ecosystems. <i>IEEE Intelligent Systems</i> , 2013 , 28, 2-5	4.2	18

310	Novel Deep Convolutional Neural Network-Based Contextual Recognition of Arabic Handwritten Scripts. <i>Entropy</i> , 2021 , 23,	2.8	18
309	Exploiting Deep Learning for Persian Sentiment Analysis. <i>Lecture Notes in Computer Science</i> , 2018 , 597-604		18
308	Sentic Computing. <i>Cognitive Computation</i> , 2015 , 7, 183-185	4.4	17
307	Visual Attention Model Based Vehicle Target Detection in Synthetic Aperture Radar Images: A Novel Approach. <i>Cognitive Computation</i> , 2015 , 7, 434-444	4.4	17
306	Verification & validation of an agent-based forest fire simulation model 2010 ,		17
305	A Fuzzy-enhanced Deep Learning Approach for Early Detection of Covid-19 Pneumonia from Portable Chest X-Ray Images.. <i>Neurocomputing</i> , 2022 , 481, 202-202	5.4	17
304	Extracting Time Expressions and Named Entities with Constituent-Based Tagging Schemes. <i>Cognitive Computation</i> , 2020 , 12, 844-862	4.4	15
303	From Spin to Swindle: Identifying Falsification in Financial Text. <i>Cognitive Computation</i> , 2016 , 8, 729-745	4.4	15
302	Music Genre Classification: A Semi-supervised Approach. <i>Lecture Notes in Computer Science</i> , 2013 , 254-263	6.9	15
301	Sensing Emergence in Complex Systems. <i>IEEE Sensors Journal</i> , 2011 , 11, 2479-2480	4	15
300	DNN Driven Speaker Independent Audio-Visual Mask Estimation for Speech Separation		15
299	Cognitively Inspired Feature Extraction and Speech Recognition for Automated Hearing Loss Testing. <i>Cognitive Computation</i> , 2019 , 11, 489-502	4.4	15
298	A novel approach to stance detection in social media tweets by fusing ranked lists and sentiments. <i>Information Fusion</i> , 2021 , 67, 29-40	16.7	15
297	A Hybrid-Domain Deep Learning-Based BCI For Discriminating Hand Motion Planning From EEG Sources. <i>International Journal of Neural Systems</i> , 2021 , 31, 2150038	6.2	15
296	A Biologically Inspired Vision-Based Approach for Detecting Multiple Moving Objects in Complex Outdoor Scenes. <i>Cognitive Computation</i> , 2015 , 7, 539-551	4.4	14
295	Learning from Few Samples with Memory Network. <i>Cognitive Computation</i> , 2018 , 10, 15-22	4.4	14
294	Biologically Inspired Progressive Enhancement Target Detection from Heavy Cluttered SAR Images. <i>Cognitive Computation</i> , 2016 , 8, 955-966	4.4	14
293	A New Spatio-Temporal Saliency-Based Video Object Segmentation. <i>Cognitive Computation</i> , 2016 , 8, 629-647	4.4	14

292	Novel Biologically Inspired Approaches to Extracting Online Information from Temporal Data. <i>Cognitive Computation</i> , 2014 , 6, 595-607	4.4	14
291	Dependency Tree-Based Rules for Concept-Level Aspect-Based Sentiment Analysis. <i>Communications in Computer and Information Science</i> , 2014 , 41-47	0.3	14
290	Modeling and design of MPPT controller for a PV module using PSCAD/EMTDC 2010 ,		14
289	Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 1568-1581	6.8	14
288	A Cognitively Inspired System Architecture for the Mengshi Cognitive Vehicle. <i>Cognitive Computation</i> , 2020 , 12, 140-149	4.4	14
287	Connections between e-learning, web science, cognitive computation and social sensing, and their relevance to learning analytics: A preliminary study. <i>Computers in Human Behavior</i> , 2019 , 92, 478-486	7.7	14
286	Relation Extraction of Medical Concepts Using Categorization and Sentiment Analysis. <i>Cognitive Computation</i> , 2018 , 10, 670-685	4.4	13
285	Persian Named Entity Recognition 2017 ,		13
284	A novel multiple-controller incorporating a radial basis function neural network based generalized learning model. <i>Neurocomputing</i> , 2006 , 69, 1868-1881	5.4	13
283	A Novel Attention Fully Convolutional Network Method for Synthetic Aperture Radar Image Segmentation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 4585-4598	4.7	13
282	Lip-Reading Driven Deep Learning Approach for Speech Enhancement. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 5, 481-490	4.1	13
281	A novel ontology and machine learning driven hybrid cardiovascular clinical prognosis as a complex adaptive clinical system. <i>Complex Adaptive Systems Modeling</i> , 2016 , 4,	1.8	12
280	(Re)presenting: Muslims on North American television. <i>Contemporary Islam</i> , 2010 , 4, 55-75	0.4	12
279	EXPONENTIAL STABILIZATION OF THE INERTIA WHEEL PENDULUM USING DYNAMIC SURFACE CONTROL. <i>Journal of Circuits, Systems and Computers</i> , 2007 , 16, 81-92	0.9	12
278	Visual Speech In Real Noisy Environments (VISION): A Novel Benchmark Dataset and Deep Learning-Based Baseline System		12
277	Towards a Chinese Common and Common Sense Knowledge Base for Sentiment Analysis. <i>Lecture Notes in Computer Science</i> , 2012 , 437-446	0.9	12
276	A Semi-supervised Approach for Sentiment Analysis of Arab(ic+izi) Messages: Application to the Algerian Dialect. <i>SN Computer Science</i> , 2021 , 2, 1	2	12
275	Detection of Diabetic Eye Disease from Retinal Images Using a Deep Learning Based CenterNet Model. <i>Sensors</i> , 2021 , 21,	3.8	12

274	Bi-level multi-objective evolution of a Multi-Layered Echo-State Network Autoencoder for data representations. <i>Neurocomputing</i> , 2019 , 341, 195-211	5.4	11
273	Computational and natural language processing based studies of hadith literature: a survey. <i>Artificial Intelligence Review</i> , 2019 , 52, 1369-1414	9.7	11
272	A Review of Shorthand Systems: From Brachygraphy to Microtext and Beyond. <i>Cognitive Computation</i> , 2020 , 12, 778-792	4.4	11
271	Learning Latent Features With Infinite Nonnegative Binary Matrix Trifactorization. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2018 , 2, 450-463	4.1	11
270	Effects of annealing on nanocrystalline Bi ₂ S ₃ thin films prepared by chemical bath deposition. <i>Materials Science in Semiconductor Processing</i> , 2014 , 21, 74-81	4.3	11
269	Ontology-Driven Cardiovascular Decision Support System 2011 ,		11
268	A new hybrid agent-based modeling & simulation decision support system for breast cancer data analysis 2009 ,		11
267	Emotional Vocal Expressions Recognition Using the COST 2102 Italian Database of Emotional Speech. <i>Lecture Notes in Computer Science</i> , 2010 , 255-267	0.9	11
266	Large-scale Ensemble Model for Customer Churn Prediction in Search Ads. <i>Cognitive Computation</i> , 2019 , 11, 262-270	4.4	11
265	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	4.7	11
264	AspNet: Aspect Extraction by Bootstrapping Generalization and Propagation Using an Aspect Network. <i>Cognitive Computation</i> , 2015 , 7, 241-253	4.4	10
263	A Novel Fuzzy Multilayer Perceptron (F-MLP) for the Detection of Irregularity in Skin Lesion Border Using Dermoscopic Images. <i>Frontiers in Medicine</i> , 2020 , 7, 297	4.9	10
262	A Comparative Study of Persian Sentiment Analysis Based on Different Feature Combinations. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 2288-2294	0.2	10
261	Synthesis and electrical characteristics of Al/(p)PbS Schottky barrier junction. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 1918-1924	4.3	10
260	Toward a Formal, Visual Framework of Emergent Cognitive Development of Scholars. <i>Cognitive Computation</i> , 2014 , 6, 113-124	4.4	10
259	Isanette: A Common and Common Sense Knowledge Base for Opinion Mining 2011 ,		10
258	Benchmarking Multimodal Sentiment Analysis. <i>Lecture Notes in Computer Science</i> , 2018 , 166-179	0.9	10
257	Ten Years of Sentic Computing. <i>Cognitive Computation</i> , 1	4.4	10

256	Towards GPU-Based Common-Sense Reasoning: Using Fast Subgraph Matching. <i>Cognitive Computation</i> , 2016 , 8, 1074-1086	4.4	9
255	A Semi-Supervised Synthetic Aperture Radar (SAR) Image Recognition Algorithm Based on an Attention Mechanism and Bias-Variance Decomposition. <i>IEEE Access</i> , 2019 , 7, 108617-108632	3.5	9
254	Improving surface integrity aspects of AISI 316L in the context of bioimplant applications. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 105, 2857-2867	3.2	9
253	Novel Two-Stage Audiovisual Speech Filtering in Noisy Environments. <i>Cognitive Computation</i> , 2014 , 6, 200-217	4.4	9
252	A novel brain-inspired compression-based optimised multimodal fusion for emotion recognition 2017 ,		9
251	A Novel Real-Time, Lightweight Chaotic-Encryption Scheme for Next-Generation Audio-Visual Hearing Aids. <i>Cognitive Computation</i> , 2020 , 12, 589-601	4.4	9
250	A Novel Intelligent Computational Approach to Model Epidemiological Trends and Assess the Impact of Non-Pharmacological Interventions for COVID-19. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 3551-3563	7.2	9
249	A Novel Deep Learning Method for Recognition and Classification of Brain Tumors from MRI Images. <i>Diagnostics</i> , 2021 , 11,	3.8	9
248	A Novel Deep Learning-Based Multilevel Parallel Attention Neural (MPAN) Model for Multidomain Arabic Sentiment Analysis. <i>IEEE Access</i> , 2021 , 9, 7508-7518	3.5	9
247	Clustering-Oriented Multiple Convolutional Neural Networks for Single Image Super-Resolution. <i>Cognitive Computation</i> , 2018 , 10, 165-178	4.4	8
246	Distributed Reservoir Computing with Sparse Readouts [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , 2016 , 11, 59-70	5.6	8
245	A Time-Frequency based Machine Learning System for Brain States Classification via EEG Signal Processing 2019 ,		8
244	Integrating Twitter Traffic Information with Kalman Filter Models for Public Transportation Vehicle Arrival Time Prediction 2015 , 67-82		8
243	Service oriented architecture based web application model for collaborative biomedical signal analysis. <i>Biomedizinische Technik</i> , 2012 , 57 Suppl 1,	1.3	8
242	Off-Line Handwritten Arabic Word Recognition Using SVMs with Normalized Poly Kernel. <i>Lecture Notes in Computer Science</i> , 2012 , 85-91	0.9	8
241	Sliding mode control of a buck converter for maximum power point tracking of a solar panel 2013 ,		8
240	Social Network Analysis of trends in the consumer electronics domain 2011 ,		8
239	Cognitive Computation: An Introduction. <i>Cognitive Computation</i> , 2009 , 1, 1-3	4.4	8

238	Maximising Audiovisual Correlation with Automatic Lip Tracking and Vowel Based Segmentation. <i>Lecture Notes in Computer Science</i> , 2009 , 65-72	0.9	8
237	Sentic Avatar: Multimodal Affective Conversational Agent with Common Sense. <i>Lecture Notes in Computer Science</i> , 2011 , 81-95	0.9	8
236	Artificial intelligence-enabled analysis of UK and US public attitudes on Facebook and Twitter towards COVID-19 vaccinations		8
235	Controlled and Automatic Processing in Animals and Machines with Application to Autonomous Vehicle Control. <i>Lecture Notes in Computer Science</i> , 2009 , 198-207	0.9	8
234	A non-parametric softmax for improving neural attention in time-series forecasting. <i>Neurocomputing</i> , 2020 , 381, 177-185	5.4	8
233	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	3.5	8
232	Radar Sensing for Activity Classification in Elderly People Exploiting Micro-Doppler Signatures Using Machine Learning. <i>Sensors</i> , 2021 , 21,	3.8	8
231	Multimodal Sentiment Analysis. <i>A Practical Guide To Sentiment Analysis</i> , 2018 ,	0	8
230	Comparison of Sentiment Analysis Approaches Using Modern Arabic and Sudanese Dialect. <i>Lecture Notes in Computer Science</i> , 2018 , 615-624	0.9	8
229	Efficient text localization in born-digital images by local contrast-based segmentation 2015 ,		7
228	Modified Cat Swarm Optimization for Clustering. <i>Lecture Notes in Computer Science</i> , 2016 , 161-170	0.9	7
227	A novel visual attention method for target detection from SAR images. <i>Chinese Journal of Aeronautics</i> , 2019 , 32, 1946-1958	3.7	7
226	Machine learning based computer-aided diagnosis of liver tumours 2017 ,		7
225	2014 ,		7
224	Speech Recognition System and Formant Based Analysis of Spoken Arabic Vowels. <i>Lecture Notes in Computer Science</i> , 2009 , 50-60	0.9	7
223	An Ontology Driven and Bayesian Network Based Cardiovascular Decision Support Framework. <i>Lecture Notes in Computer Science</i> , 2012 , 31-41	0.9	7
222	Cognitive Agent-based Computing-I. <i>SpringerBriefs in Cognitive Computation</i> , 2013 ,		7
221	Improving aspect-level sentiment analysis with aspect extraction. <i>Neural Computing and Applications</i> , 2020 , 1	4.8	7

220	User trustworthiness in online social networks: A systematic review. <i>Applied Soft Computing Journal</i> , 2021 , 103, 107159	7.5	7
219	Advances in machine translation for sign language: approaches, limitations, and challenges. <i>Neural Computing and Applications</i> , 1	4.8	7
218	Lung cancer detection using Local Energy-based Shape Histogram (LESH) feature extraction and cognitive machine learning techniques 2016 ,		7
217	A Survey on Deep Learning for the Routing Layer of Computer Network 2019 ,		7
216	Robust pixelwise saliency detection via progressive graph rankings. <i>Neurocomputing</i> , 2019 , 329, 433-446	5.4	7
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