Amir Hussain

List of Publications by Year in Descending Order

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 Fuzzy-enhanced Deep Learning Approach for Early Detection of Covid-19 Pneumonia from Portable Chest X-Ray Images.. *Neurocomputing*, **2022**, 481, 202-202	5.4	17
398	A novel multimodal fusion network based on a joint-coding model for lane line segmentation. *Information Fusion*, **2022**, 80, 167-178	16.7	1
397	Extending persian sentiment lexicon with idiomatic expressions for sentiment analysis. *Social Network Analysis and Mining*, **2022**, 12, 1	2.2	2
396	Cloud based scalable object recognition from video streams using orientation fusion and convolutional neural networks. *Pattern Recognition*, **2022**, 121, 108207	7.7	0
395	Antimicrobial Resistance and Machine Learning: Challenges and Opportunities. *IEEE Access*, **2022**, 10, 31561-31577	3.5	1
394	An Augmented Artificial Intelligence Approach for Chronic Diseases Prediction.. *Frontiers in Public Health*, **2022**, 10, 860396	6	1
393	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**, 1-1	4.7	1
392	An Integrated Approach for Cancer Survival Prediction Using Data Mining Techniques.. *Computational Intelligence and Neuroscience*, **2021**, 2021, 6342226	3	5
391	A Machine Learning Approach Involving Functional Connectivity Features to Classify Rest-EEG Psychogenic Non-Epileptic Seizures from Healthy Controls.. *Sensors*, **2021**, 22,	3.8	5
390	A Novel Fingerprinting Technique for Data Storing and Sharing through Clouds. *Sensors*, **2021**, 21,	3.8	5
389	FairDrop: Biased Edge Dropout for Enhancing Fairness in Graph Representation Learning. *IEEE Transactions on Artificial Intelligence*, **2021**, 1-1	4.7	2
388	An Ensemble Based Classification Approach for Persian Sentiment Analysis. *Smart Innovation, Systems and Technologies*, **2021**, 207-215	0.5	4
387	A Novel Coupled Reaction-Diffusion System for Explainable Gene Expression Profiling. *Sensors*, **2021**, 21,	3.8	2
386	Discriminative Dictionary Design for Action Classification in Still Images and Videos. *Cognitive Computation*, **2021**, 13, 698	4.4	1
385	Novel Deep Convolutional Neural Network-Based Contextual Recognition of Arabic Handwritten Scripts. *Entropy*, **2021**, 23,	2.8	18
384	A Novel Deep Learning Method for Recognition and Classification of Brain Tumors from MRI Images. *Diagnostics*, **2021**, 11,	3.8	9
383	Improving generative adversarial networks with simple latent distributions. *Neural Computing and Applications*, **2021**, 33, 13193	4.8	

382	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	7.6	67
381	Understanding Public Perceptions of COVID-19 Contact Tracing Apps: Artificial Intelligence-Enabled Social Media Analysis. *Journal of Medical Internet Research*, **2021**, 23, e26618	7.6	6
380	User trustworthiness in online social networks: A systematic review. *Applied Soft Computing Journal*, **2021**, 103, 107159	7.5	7
379	Sentiment Analysis of Persian Movie Reviews Using Deep Learning. *Entropy*, **2021**, 23,	2.8	19
378	Radar Sensing for Activity Classification in Elderly People Exploiting Micro-Doppler Signatures Using Machine Learning. *Sensors*, **2021**, 21,	3.8	8
377	Public Perception of the Fifth Generation of Cellular Networks (5G) on Social Media. *Frontiers in Big Data*, **2021**, 4, 640868	2.8	3
376	A novel approach to stance detection in social media tweets by fusing ranked lists and sentiments. *Information Fusion*, **2021**, 67, 29-40	16.7	15
375	Novel Artificial Immune Networks-based optimization of shallow machine learning (ML) classifiers. *Expert Systems With Applications*, **2021**, 165, 113834	7.8	6
374	Big data and IoT-based applications in smart environments: A´systematic review. *Computer Science Review*, **2021**, 39, 100318	8.3	70
373	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	4.7	5
372	Persuasive dialogue understanding: The baselines and negative results. *Neurocomputing*, **2021**, 431, 47-56	5.4	2
371	Lip-Reading Driven Deep Learning Approach for Speech Enhancement. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2021**, 5, 481-490	4.1	13
370	BitmapAligner: Bit-Parallelism String Matching with MapReduce and Hadoop. *Computers, Materials and Continua*, **2021**, 68, 3931-3946	3.9	4
369	iWorksafe: Towards Healthy Workplaces During COVID-19 With an Intelligent Phealth App for Industrial Settings. *IEEE Access*, **2021**, 9, 13814-13828	3.5	48
368	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	7	30
367	Inductive Generalized Zero-Shot Learning with Adversarial Relation Network. *Lecture Notes in Computer Science*, **2021**, 724-739	0.9	3
366	Real-Time Artifacts Reduction during TMS-EEG Co-Registration: A Comprehensive Review on Technologies and Procedures. *Sensors*, **2021**, 21,	3.8	6
365	A Novel Deep Learning-Based Multilevel Parallel Attention Neural (MPAN) Model for Multidomain Arabic Sentiment Analysis. *IEEE Access*, **2021**, 9, 7508-7518	3.5	9

364	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	4.7	11
363	Conference Report on 2020 IEEE World Congress on Computational Intelligence (IEEE WCCI 2020) [Conference Reports]. *IEEE Computational Intelligence Magazine*, **2021**, 16, 15-98	5.6	0
362	A Semi-supervised Approach for Sentiment Analysis of Arab(ic+izi) Messages: Application to the Algerian Dialect. *SN Computer Science*, **2021**, 2, 1	2	12
361	Effectiveness of virtual and augmented reality for improving knowledge and skills in medical students: protocol for a systematic review. *BMJ Open*, **2021**, 11, e047004	3	2
360	A Hybrid-Domain Deep Learning-Based BCI For Discriminating Hand Motion Planning From EEG Sources. *International Journal of Neural Systems*, **2021**, 31, 2150038	6.2	15
359	Detection of Diabetic Eye Disease from Retinal Images Using a Deep Learning Based CenterNet Model. *Sensors*, **2021**, 21,	3.8	12
358	A novel domain activation mapping-guided network (DA-GNT) for visual tracking. *Neurocomputing*, **2021**, 449, 443-454	5.4	1
357	Multi-lingual character handwriting framework based on an integrated deep learning based sequence-to-sequence attention model. *Memetic Computing*, **2021**, 13, 459	3.4	0
356	A novel context-aware multimodal framework for persian sentiment analysis. *Neurocomputing*, **2021**, 457, 377-388	5.4	23
355	Lane-DeepLab: Lane semantic segmentation in automatic driving scenarios for high-definition maps. *Neurocomputing*, **2021**, 465, 15-25	5.4	4
354	Conceptual text region network: Cognition-inspired accurate scene text detection. *Neurocomputing*, **2021**, 464, 252-264	5.4	2
353	Leveraging label hierarchy using transfer and multi-task learning: A case study on patent classification. *Neurocomputing*, **2021**, 464, 421-431	5.4	0
352	Coarse-grained generalized zero-shot learning with efficient self-focus mechanism. *Neurocomputing*, **2021**, 463, 400-410	5.4	1
351	A novel few-shot learning method for synthetic aperture radar image recognition. *Neurocomputing*, **2021**, 465, 215-227	5.4	1
350	. *IEEE Access*, **2021**, 9, 18569-18584	3.5	2
349	Deep Learning in Mining Biological Data. *Cognitive Computation*, **2021**, 13, 1-33	4.4	127
348	An Attribute Weight Estimation Using Particle Swarm Optimization and Machine Learning Approaches for Customer Churn Prediction **2021**,		1
347	CochleaNet: A robust language-independent audio-visual model for real-time speech enhancement. *Information Fusion*, **2020**, 63, 273-285	16.7	24

346	Extracting Time Expressions and Named Entities with Constituent-Based Tagging Schemes. *Cognitive Computation*, **2020**, 12, 844-862	4.4	15
345	A Review of Shorthand Systems: From Brachygraphy to Microtext and Beyond. *Cognitive Computation*, **2020**, 12, 778-792	4.4	11
344	Improving deep neural network performance by integrating kernelized Min-Max objective. *Neurocomputing*, **2020**, 408, 82-90	5.4	3
343	Encoding primitives generation policy learning for robotic arm to overcome catastrophic forgetting in sequential multi-tasks learning. *Neural Networks*, **2020**, 129, 163-173	9.1	0
342	Design and evaluation of a biologically-inspired cloud elasticity framework. *Cluster Computing*, **2020**, 23, 3095-3117	2.1	0
341	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	4.9	10
340	Comprehensive Taxonomies of Nature- and Bio-inspired Optimization: Inspiration Versus Algorithmic Behavior, Critical Analysis Recommendations. *Cognitive Computation*, **2020**, 12, 897-939	4.4	57
339	Impact of Relay Location of STANC Bi-Directional Transmission for Future Autonomous Internet of Things Applications. *IEEE Access*, **2020**, 8, 29395-29406	3.5	3
338	BrainOS: A Novel Artificial Brain-Alike Automatic Machine Learning Framework. *Frontiers in Computational Neuroscience*, **2020**, 14, 16	3.5	1
337	Disturbance Observer based Controller Design to Reduce Sensor Count in Standalone PVDG Systems **2020**,		1
336	Dynamic Multi Objective Particle Swarm optimization with Cooperative Agents **2020**,		1
335	Height Prediction for Growth Hormone Deficiency Treatment Planning Using Deep Learning. *Lecture Notes in Computer Science*, **2020**, 76-85	0.9	
334	Self-focus Deep Embedding Model for Coarse-Grained Zero-Shot Classification. *Lecture Notes in Computer Science*, **2020**, 12-22	0.9	1
333	Pixel-Wise Segmentation of SAR Imagery Using Encoder-Decoder Network and Fully-Connected CRF. *Lecture Notes in Computer Science*, **2020**, 155-165	0.9	
332	Offline Arabic Handwriting Recognition Using Deep Machine Learning: A Review of Recent Advances. *Lecture Notes in Computer Science*, **2020**, 457-468	0.9	4
331	PerSent 2.0: Persian Sentiment Lexicon Enriched with Domain-Specific Words. *Lecture Notes in Computer Science*, **2020**, 497-509	0.9	3
330	A Novel Real-Time, Lightweight Chaotic-Encryption Scheme for Next-Generation Audio-Visual Hearing Aids. *Cognitive Computation*, **2020**, 12, 589-601	4.4	9
329	A novel biologically-inspired target detection method based on saliency analysis for synthetic aperture radar (SAR) imagery. *Neurocomputing*, **2020**, 402, 66-79	5.4	6

328	A non-parametric softmax for improving neural attention in time-series forecasting. *Neurocomputing*, **2020**, 381, 177-185	5.4	8
327	A novel statistical analysis and autoencoder driven intelligent intrusion detection approach. *Neurocomputing*, **2020**, 387, 51-62	5.4	62
326	A novel multi-modal machine learning based approach for automatic classification of EEG recordings in dementia. *Neural Networks*, **2020**, 123, 176-190	9.1	85
325	Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 1568-1581	6.8	14
324	A Cognitively Inspired System Architecture for the Mengshi Cognitive Vehicle. *Cognitive Computation*, **2020**, 12, 140-149	4.4	14
323	Improving aspect-level sentiment analysis with aspect extraction. *Neural Computing and Applications*, **2020**, 1	4.8	7
322	A Convolutional Neural Network based self-learning approach for classifying neurodegenerative states from EEG signals in dementia **2020**,		1
321	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	2.6	4
320	Deep Neural Network Driven Binaural Audio Visual Speech Separation **2020**,		5
319	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	7.2	9
318	Anchor-free Convolutional Network with Dense Attention Feature Aggregation for Ship Detection in SAR Images. *Remote Sensing*, **2020**, 12, 2619	5	27
317	Customized 2D Barcode Sensing for Anti-Counterfeiting Application in Smart IoT with Fast Encoding and Information Hiding. *Sensors*, **2020**, 20,	3.8	3
316	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	4.7	13
315	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	3.5	8
314	Complex-Valued Neural Networks With Nonparametric Activation Functions. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2020**, 4, 140-150	4.1	21
313	Contextual deep learning-based audio-visual switching for speech enhancement in real-world environments. *Information Fusion*, **2020**, 59, 163-170	16.7	21
312	A hybrid Persian sentiment analysis framework: Integrating dependency grammar based rules and deep neural networks. *Neurocomputing*, **2020**, 380, 1-10	5.4	63
311	Novel deep neural network based pattern field classification architectures. *Neural Networks*, **2020**, 127, 82-95	9.1	2

310   Integrated GANs: Semi-Supervised SAR Target Recognition. *IEEE Access*, **2019**, 7, 113999-114013   3.5   4

309   Style-Neutralized Pattern Classification Based on Adversarially Trained Upgraded U-Net. *Cognitive Computation*, **2019**, 13, 845   4.4   3

308   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   5.4   34

307   Unsupervised Machine Learning for Networking: Techniques, Applications and Research Challenges. *IEEE Access*, **2019**, 7, 65579-65615   3.5   89

306   A Novel Multi-Input Bidirectional LSTM and HMM Based Approach for Target Recognition from Multi-Domain Radar Range Profiles. *Electronics (Switzerland)*, **2019**, 8, 535   2.6   6

305   Saliency detection via multi-view graph based saliency optimization. *Neurocomputing*, **2019**, 351, 156-166   5.4   6

304   Computational Intelligence for Affective Computing and Sentiment Analysis [Guest Editorial]. *IEEE Computational Intelligence Magazine*, **2019**, 14, 16-17   5.6   29

303   A Novel Semi-Supervised Learning Method Based on Fast Search and Density Peaks. *Complexity*, **2019**, 2019, 1-23   1.6   1

302   Weakly Supervised Segmentation of SAR Imagery Using Superpixel and Hierarchically Adversarial CRF. *Remote Sensing*, **2019**, 11, 512   5   24

301   Bi-level multi-objective evolution of a Multi-Layered Echo-State Network Autoencoder for data representations. *Neurocomputing*, **2019**, 341, 195-211   5.4   11

300   Computational and natural language processing based studies of hadith literature: a survey. *Artificial Intelligence Review*, **2019**, 52, 1369-1414   9.7   11

299   . *IEEE Access*, **2019**, 7, 30373-30385   3.5   108

298   Towards Arabic Multi-modal Sentiment Analysis. *Lecture Notes in Electrical Engineering*, **2019**, 2378-2386   0.2   4

297   A Comparative Study of Persian Sentiment Analysis Based on Different Feature Combinations. *Lecture Notes in Electrical Engineering*, **2019**, 2288-2294   0.2   10

296   A New Algorithm for SAR Image Target Recognition Based on an Improved Deep Convolutional Neural Network. *Cognitive Computation*, **2019**, 11, 809-824   4.4   59

295   A Survey on the Role of Wireless Sensor Networks and IoT in Disaster Management. *Springer Natural Hazards*, **2019**, 57-66   0.7   21

294   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   4.6   1

293   Big Data Analytics and Mining for Effective Visualization and Trends Forecasting of Crime Data. *IEEE Access*, **2019**, 7, 106111-106123   3.5   35

274	Cross-modality interactive attention network for multispectral pedestrian detection. *Information Fusion*, **2019**, 50, 20-29	16.7	42
273	A Convolutional Neural Network approach for classification of dementia stages based on 2D-spectral representation of EEG recordings. *Neurocomputing*, **2019**, 323, 96-107	5.4	113
272	Guided Policy Search for Sequential Multitask Learning. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 216-226	7.3	20
271	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	7.7	14
270	Learning from Few Samples with Memory Network. *Cognitive Computation*, **2018**, 10, 15-22	4.4	14
269	Computational Intelligence Techniques for Mobile Network Optimization [Guest Editorial]. *IEEE Computational Intelligence Magazine*, **2018**, 13, 28-28	5.6	2
268	A Novel Method of Signal Fusion Based on Dimension Expansion. *Circuits, Systems, and Signal Processing*, **2018**, 37, 4295-4318	2.2	2
267	A Novel Spatiotemporal Longitudinal Methodology for Predicting Obesity Using Near Infrared Spectroscopy (NIRS) Cerebral Functional Activity Data. *Cognitive Computation*, **2018**, 10, 591-609	4.4	
266	Spatial-temporal representatives selection and weighted patch descriptor for person re-identification. *Neurocomputing*, **2018**, 290, 121-129	5.4	1
265	Applications of Deep Learning and Reinforcement Learning to Biological Data. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 2063-2079	10.3	368
264	Special Issue Editorial: Cognitively-Inspired Computing for Knowledge Discovery. *Cognitive Computation*, **2018**, 10, 1-2	4.4	22
263	The Fundamental Code Unit of the Brain: Towards a New Model for Cognitive Geometry. *Cognitive Computation*, **2018**, 10, 426-436	4.4	6
262	Three-Dimensional Local Energy-Based Shape Histogram (3D-LESH): A Novel Feature Extraction Technique. *Expert Systems With Applications*, **2018**, 112, 388-400	7.8	6
261	A review on multi-task metric learning. *Big Data Analytics*, **2018**, 3,	2.9	5
260	Special Issue of BICS 2016. *Cognitive Computation*, **2018**, 10, 282-283	4.4	
259	Learning Latent Features With Infinite Nonnegative Binary Matrix Trifactorization. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2018**, 2, 450-463	4.1	11
258	A Brain-Inspired Trust Management Model to Assure Security in a Cloud Based IoT Framework for Neuroscience Applications. *Cognitive Computation*, **2018**, 10, 864-873	4.4	100
257	Sentic LSTM: a Hybrid Network for Targeted Aspect-Based Sentiment Analysis. *Cognitive Computation*, **2018**, 10, 639-650	4.4	146

256	Semi-supervised learning for big social data analysis. *Neurocomputing*, **2018**, 275, 1662-1673	5.4	140
255	A Machine Learning Approach to Detect Router Advertisement Flooding Attacks in Next-Generation IPv6 Networks. *Cognitive Computation*, **2018**, 10, 201-214	4.4	19
254	Clustering-Oriented Multiple Convolutional Neural Networks for Single Image Super-Resolution. *Cognitive Computation*, **2018**, 10, 165-178	4.4	8
253	Accelerating Infinite Ensemble of Clustering by Pivot Features. *Cognitive Computation*, **2018**, 10, 1042-1050	4.4	6
252	A control theoretical view of cloud elasticity: taxonomy, survey and challenges. *Cluster Computing*, **2018**, 21, 1735-1764	2.1	20
251	Relation Extraction of Medical Concepts Using Categorization and Sentiment Analysis. *Cognitive Computation*, **2018**, 10, 670-685	4.4	13
250	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	5.4	4
249	Before Orthodoxy: The Satanic Verses in Early Islam. By Shahab Ahmed. *Journal of the American Academy of Religion*, **2018**, 86, 1151-1152	0.1	
248	Clinical Decision Support Systems: A Visual Survey. *Informatica (Slovenia)*, **2018**, 42,	2.3	2
247	Style Neutralization Generative Adversarial Classifier. *Lecture Notes in Computer Science*, **2018**, 3-13	0.9	1
246	Adaptation of Sentiment Analysis Techniques to Persian Language. *Lecture Notes in Computer Science*, **2018**, 129-140	0.9	5
245	A Novel Semi-supervised Classification Method Based on Class Certainty of Samples. *Lecture Notes in Computer Science*, **2018**, 315-324	0.9	1
244	Saliency Detection via Bidirectional Absorbing Markov Chain. *Lecture Notes in Computer Science*, **2018**, 495-505	0.9	1
243	Benchmarking Multimodal Sentiment Analysis. *Lecture Notes in Computer Science*, **2018**, 166-179	0.9	10
242	Extracting online information from dual and multiple data streams. *Neural Computing and Applications*, **2018**, 30, 87-98	4.8	2
241	A novel decision support system for the interpretation of remote sensing big data. *Earth Science Informatics*, **2018**, 11, 31-45	2.5	23
240	Multimodal Sentiment Analysis: Addressing Key Issues and Setting Up the Baselines. *IEEE Intelligent Systems*, **2018**, 33, 17-25	4.2	70
239	Towards workload-aware cloud resource provisioning using a multi-controller fuzzy switching approach. *International Journal of High Performance Computing and Networking*, **2018**, 12, 13	1	2

238	Fast Lip Feature Extraction Using Psychologically Motivated Gabor Features **2018**,		1
237	Concept Extraction from Natural Text for Concept Level Text Analysis. *A Practical Guide To Sentiment Analysis*, **2018**, 79-84	0	1
236	EmoSenticSpace: Dense Concept-Based Affective Features with Common-Sense Knowledge. *A Practical Guide To Sentiment Analysis*, **2018**, 85-116	0	1
235	Improving Deep Neural Network Performance with Kernelized Min-Max Objective. *Lecture Notes in Computer Science*, **2018**, 182-191	0.9	
234	A Semi-supervised Corpus Annotation for Saudi Sentiment Analysis Using Twitter. *Lecture Notes in Computer Science*, **2018**, 589-596	0.9	2
233	Multimodal Sentiment Analysis. *A Practical Guide To Sentiment Analysis*, **2018**,	0	8
232	Literature Survey and Datasets. *A Practical Guide To Sentiment Analysis*, **2018**, 37-78	0	
231	Statistical Analysis Driven Optimized Deep Learning System for Intrusion Detection. *Lecture Notes in Computer Science*, **2018**, 759-769	0.9	24
230	SentiALG: Automated Corpus Annotation for Algerian Sentiment Analysis. *Lecture Notes in Computer Science*, **2018**, 557-567	0.9	22
229	Exploiting Deep Learning for Persian Sentiment Analysis. *Lecture Notes in Computer Science*, **2018**, 597-604	0.9	18
228	Comparison of Sentiment Analysis Approaches Using Modern Arabic and Sudanese Dialect. *Lecture Notes in Computer Science*, **2018**, 615-624	0.9	8
227	The Legacy of Wilfred Cantwell Smith. *Toronto Journal of Theology*, **2018**, 34, 267-276	0	
226	Group sparse regularization for deep neural networks. *Neurocomputing*, **2017**, 241, 81-89	5.4	169
225	A review of affective computing: From unimodal analysis to multimodal fusion. *Information Fusion*, **2017**, 37, 98-125	16.7	512
224	Ensemble application of convolutional neural networks and multiple kernel learning for multimodal sentiment analysis. *Neurocomputing*, **2017**, 261, 217-230	5.4	108
223	A Review of Sentiment Analysis Research in Chinese Language. *Cognitive Computation*, **2017**, 9, 423-435	4.4	90
222	Customer churn prediction in the telecommunication sector using a rough set approach. *Neurocomputing*, **2017**, 237, 242-254	5.4	84
221	A Bayesian Assessment of Real-World Behavior During Multitasking. *Cognitive Computation*, **2017**, 9, 749-757	4.4	1

220	. *IEEE Transactions on Affective Computing*, **2017**, 8, 426-427	5.7	4
219	Multilayered Echo State Machine: A Novel Architecture and Algorithm. *IEEE Transactions on Cybernetics*, **2017**, 47, 946-959	10.2	50
218	A novel brain-inspired compression-based optimised multimodal fusion for emotion recognition **2017**,		9
217	Combining Deep Convolutional Neural Network and SVM to SAR Image Target Recognition **2017**,		1
216	IEEE Access Special Section Editorial: Health Informatics for the Developing World. *IEEE Access*, **2017**, 5, 27818-27823	3.5	6
215	Sentiment Analysis in the Bio-Medical Domain. *A Practical Guide To Sentiment Analysis*, **2017**,	0	5
214	Persian Named Entity Recognition **2017**,		13
213	Formal Ontology Generation by deep machine learning **2017**,		5
212	Machine learning based computer-aided diagnosis of liver tumours **2017**,		7
211	**2017**,		1
210	Knowledge-oriented leadership and innovation: A mediating role of knowledge creation: A case of software industry **2017**,		1
209	Deep learning driven multimodal fusion for automated deception detection **2017**,		20
208	Complex-valued computational model of hippocampal CA3 recurrent collaterals **2017**,		2
207	A Multilevel Association Model for IT Employees Life Stress and Job Satisfaction: An Information Technology (IT) Industry Case Study. *MATEC Web of Conferences*, **2017**, 139, 00114	0.3	4
206	Dual-Branch Deep Convolution Neural Network for Polarimetric SAR Image Classification. *Applied Sciences (Switzerland)*, **2017**, 7, 447	2.6	53
205	SenticNet. *A Practical Guide To Sentiment Analysis*, **2017**, 39-103	0	1
204	Improve Deep Learning with Unsupervised Objective. *Lecture Notes in Computer Science*, **2017**, 720-728	0.9	
203	Application to Sentiment Analysis. *A Practical Guide To Sentiment Analysis*, **2017**, 105-125	0	

202	Fusing audio, visual and textual clues for sentiment analysis from multimodal content. *Neurocomputing*, **2016**, 174, 50-59	5.4	262
201	From Spin to Swindle: Identifying Falsification in Financial Text. *Cognitive Computation*, **2016**, 8, 729-745	4.4	15
200	. *IEEE Access*, **2016**, 4, 7940-7957	3.5	120
199	A novel ontology and machine learning driven hybrid cardiovascular clinical prognosis as a complex adaptive clinical system. *Complex Adaptive Systems Modeling*, **2016**, 4,	1.8	12
198	Modified Cat Swarm Optimization for Clustering. *Lecture Notes in Computer Science*, **2016**, 161-170	0.9	7
197	Distributed Reservoir Computing with Sparse Readouts [Research Frontier]. *IEEE Computational Intelligence Magazine*, **2016**, 11, 59-70	5.6	8
196	Towards GPU-Based Common-Sense Reasoning: Using Fast Subgraph Matching. *Cognitive Computation*, **2016**, 8, 1074-1086	4.4	9
195	Towards a Biologically Inspired Soft Switching Approach for Cloud Resource Provisioning. *Cognitive Computation*, **2016**, 8, 992-1005	4.4	5
194	Biologically Inspired Progressive Enhancement Target Detection from Heavy Cluttered SAR Images. *Cognitive Computation*, **2016**, 8, 955-966	4.4	14
193	Unsupervised Commonsense Knowledge Enrichment for Domain-Specific Sentiment Analysis. *Cognitive Computation*, **2016**, 8, 467-477	4.4	26
192	A New Spatio-Temporal Saliency-Based Video Object Segmentation. *Cognitive Computation*, **2016**, 8, 629-647	4.4	14
191	Electrical characteristics of (n)Si/(p)PbS heterojunction prepared by chemical bath deposition technique. *Superlattices and Microstructures*, **2016**, 89, 43-52	2.8	1
190	An online generalized eigenvalue version of Laplacian Eigenmaps for visual big data. *Neurocomputing*, **2016**, 173, 127-136	5.4	21
189	PerSent: A Freely Available Persian Sentiment Lexicon. *Lecture Notes in Computer Science*, **2016**, 310-320	0.9	20
188	A Data Driven Approach to Audiovisual Speech Mapping. *Lecture Notes in Computer Science*, **2016**, 331-342	0.9	3
187	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	0.9	2
186	Deep and Sparse Learning in Speech and Language Processing: An Overview. *Lecture Notes in Computer Science*, **2016**, 171-183	0.9	1
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