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# ESI 计算机科学领域 热点论文信息推送

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## ESI 计算机科学及其相关领域热点论文信息推送

### —2019 年 3 月更新数据

ESI (Essential Science Indicators) 热点论文是指近两年内发表的在近两个月内被引次数进入前 0.1% 的 SCI/SSCI 文章,即最近两个月内最受关注的文章。

本期入榜文章是 2016 年 10 月到 2018 年 10 月发表的文章,在 2018 年 11~12 月内被引次数排名前 0.1% 的文章。数据更新时间为 2019 年 03 月。

本期 ESI 发布的计算机科学领域的热点文章共 89 篇,其中:

- 单篇最高被引 279 次,篇均被引约 53.4 次;相比上期,新入榜 56 篇,单篇最高被引 107 次;
- 单篇被引最高的论文,由美国哥伦比亚大学 (Columbia Univ) 的 *Carpenter, Bob* 等人在 *Journal of Statistical Software* 上发表,题名为 “*Stan: A Probabilistic Programming Language*”;
- 本期新入榜的文章中,单篇被引最高的论文,由渤海大学 (*Bohai University*) 的 *Li, Hongyi* 等人发表在 *IEEE Transactions on Cybernetics*。
- 来源出版物出现最多的是 *IEEE Transactions On Neural Networks And Learning Systems*, 共 9 篇,篇均被引 43 次。
- 篇均被引最多的出版物为 *Journal of Statistical Software*, 共 3 篇论文,篇均被引 200 次。

附表：ESI 计算机科学领域热点论文 (2019 年 3 月更新)

注：红色标记代表相比上期首次入榜文章。

序号	题名	作者	来源	作者机构	被引次数
1	<u>Stan: A Probabilistic Programming Language</u>	Carpenter, Bob; Gelman, Andrew; Hoffman, Matthew D.; Lee, Daniel; Goodrich, Ben; Betancourt, Michael; Brubaker, Marcus A.; Guo, Jiqiang; Li, Peter; Riddell, Allen	Journal Of Statistical Software, 2017, 76(1):1-29	Na-Adobe Creat Technol Lab;York University - Canada;Npd Grp;Indiana University System, Indiana University Bloomington;Indiana University System;Columbia University;	279
2	<u>lmerTest Package: Tests in Linear Mixed Effects Models</u>	Kuznetsova, Alexandra; Brockhoff, Per B.; Christensen, Rune H. B.	Journal Of Statistical Software, 2017, 82(13):1-26	Technical University Of Denmark;	238
3	<u>Application of Non-Orthogonal Multiple Access in LTE and 5G Networks</u>	Ding, Zhiguo; Liu, Yuanwei; Choi, Jinho; Sun, Qi; El Kashlan, Maged; I, Chih-Lin; Poor, H. Vincent	IEEE Communications Magazine, 2017, 55(2):185-191	Gwangju Institute Of Science & Technology;University Of London, Queen Mary University London;University Of London;Princeton University;Lancaster University;	168

4	<u>A survey on deep learning in medical image analysis</u>	Litjens, Geert; Kooi, Thijs; Bejnordi, Babak Ehteshami; Setio, Arnaud Arindra Adiyoso; Ciompi, Francesco; Ghafoorian, Mohsen; van der Laak, Jeroen A. W. M. ; van Ginneken, Bram; Sanchez, Clara I.	Medical Image Analysis, 2017, 42:60-88	Radboud University Nijmegen;	167
5	<u>Mastering the game of Go without human knowledge</u>	Silver, David; Schrittwieser, Julian; Simonyan, Karen; Antonoglou, Ioannis; Huang, Aja; Guez, Arthur; Hubert, Thomas; Baker, Lucas; Lai, Matthew; Bolton, Adrian; Chen, Yutian; Lillicrap, Timothy; Hui, Fan; Sifre, Laurent; van den Driessche, George; Graepel, Thore; Hassabis, Demis	Nature, 2017, 550 (7676) :354+	Na-Deepmind;	140
6	<u>ImageJ2: ImageJ for the next generation of scientific image data</u>	Rueden, Curtis T. ; Schindelin, Johannes; Hiner, Mark C. ; DeZonia, Barry E. ; Walter, Alison E. ; Arena, Ellen T. ; Eliceiri, Kevin W.	BMC Bioinformatics, 2017, 18, Article Number 529	University Of Wisconsin System;University Of Wisconsin System,University Of Wisconsin Madison;University Of Wisconsin System,The Morgridge Institute For Research, Inc.,University Of Wisconsin Madison;	137

7	<u>Brain tumor segmentation with Deep Neural Networks</u>	Havaei, Mohammad; Davy, Axel; Warde-Farley, David; Biard, Antoine; Courville, Aaron; Bengio, Yoshua; Pal, Chris; Jodoin, Pierre-Marc; Larochelle, Hugo	Medical Image Analysis, 2017, 35:18-31	Ecole Normale Superieure (Ens), Psl Research University Paris (Comue); University Of Sherbrooke; University Of Montreal; Universite Paris Saclay (Comue), Ecole Polytechnique; Universite Paris Saclay (Comue); Psl Research University Paris (Comue); Polytechnique Montreal, University Of Montreal;	131
8	<u>Deep Multimodal Distance Metric Learning Using Click Constraints for Image Ranking</u>	Yu, Jun; Yang, Xiaokang; Gao, Fei; Tao, Dacheng	IEEE Transactions On Cybernetics, 2017, 47(12):4014-4024	Hangzhou Dianzi University; University Of Technology Sydney; Shanghai Jiao Tong University;	120
9	<u>Efficient multi-scale 3D CNN with fully connected CRF for accurate brain lesion segmentation</u>	Kamnitsas, Konstantinos; Ledig, Christian; Newcombe, Virginia F. J.; Sirnpson, Joanna P.; Kane, Andrew D.; Menon, David K.; Rueckert, Daniel; Glocker, Ben	Medical Image Analysis, 2017, 36:61-78	Imperial College London; University Of Cambridge;	119
10	<u>Power-Domain Non-Orthogonal Multiple Access (NOMA) in 5G Systems: Potentials and Challenges</u>	Islam, S. M. Riazul; Avazov, Nurilla; Dobre, Octavia A.; Kwak, Kyung-Sup	IEEE Communications Surveys And Tutorials, 2017, 19(2):721-742	Inha University; Memorial University Newfoundland;	116

11	<u>Practical Bayesian model evaluation using leave-one-out cross-validation and WAIC</u>	Vehtari, Aki; Gelman, Andrew; Gabry, Jonah	Statistics And Computing, 2017, 27(5): 1413-1432	Aalto University;Columbia University;	116
12	<u>A survey of deep neural network architectures and their applications</u>	Liu, Weibo; Wang, Zidong; Liu, Xiaohui; Zeng, Nianyin; Liu, Yurong; Alsaadi, Fuad E.	Neurocomputing, 2017, 234:11-26	Brunel University;Yangzhou University;Xiamen University;King Abdulaziz University;	109
13	<u>Event-Triggered Fault Detection of Nonlinear Networked Systems</u>	Li, Hongyi; Chen, Ziran; Wu, Ligang; Lam, Hak-Keung; Du, Haiping	IEEE Transactions On Cybernetics, 2017, 47(4):1041-1052	Bohai University;University Of Wollongong;University Of London,Kings College London;University Of London;Harbin Institute Of Technology;	107
14	<u>Long non-coding RNAs and complex diseases: from experimental results to computational models</u>	Chen, Xing; Yan, Chenggang Clarence; Zhang, Xu; You, Zhu-Hong	Briefings In Bioinformatics, 2017, 18(4):558-576	China University Of Mining & Technology;Shandong University;Hangzhou Dianzi University;	103
15	<u>ImageNet Classification with Deep Convolutional Neural Networks</u>	Krizhevsky, Alex; Sutskever, Ilya; Hinton, Geoffrey E.	Communications Of The ACM, 2017, 60(6):84-90	Google Incorporated;Openai;	99
16	<u>Neural Network-Based Passive Filtering for Delayed Neutral-Type Semi-Markovian Jump Systems</u>	Shi, Peng; Li, Fanbiao; Wu, Ligang; Lim, Cheng-Chew	IEEE Transactions On Neural Networks And Learning Systems, 2017, 28(9):2101-2114	Central South University;Victoria University;University Of Adelaide;Harbin Institute Of Technology;	94

17	<u>Secure attribute-based data sharing for resource-limited users in cloud computing</u>	Li, Jin; Zhang, Yinghui; Chen, Xiaofeng; Xiang, Yang	Computers & Security, 2018, 72:1-12	Chinese Academy Of Sciences;Xidian University;Xi'Apos;An University Of Posts & Telecommunications;Westone Cryptol Res Ctr;Swinburne University Of Technology;State Key Lab Cryptol;Guangzhou University;	91
18	<u>Inferring MicroRNA-Disease Associations by Random Walk on a Heterogeneous Network with Multiple Data Sources</u>	Liu, Yuansheng; Zeng, Xiangxiang; He, Zengyou; Zou, Quan	IEEE-ACM Transactions On Computational Biology And Bioinformatics, 2017, 14(4):905-915	Dalian University Of Technology;Xiamen Univiers;University Of Technology Sydney;Tianjin University;	89
19	<u>Basics of meta-analysis: I-2 is not an absolute measure of heterogeneity</u>	Borenstein, Michael; Higgins, Julian P. T. ; Hedges, Larry V. ; Rothstein, Hannah R.	Research Synthesis Methods, 2017, 8(1):5-18	Na-Biostat Inc;University Of Bristol;Northwestern University;City University Of New York (Cuny) System,Baruch College (Cuny);City University Of New York (Cuny) System;	88
20	<u>brms: An R Package for Bayesian Multilevel Models Using Stan</u>	Buerkner, Paul-Christian	Journal Of Statistical Software, 2017, 80(1):1-28	University Of Munster;	84

21	<u>Mobile Edge Computing: A Survey on Architecture and Computation Offloading</u>	Mach, Pavel; Becvar, Zdenek	IEEE Communications Surveys And Tutorials, 2017, 19(3): 1628-1656	Czech Technical University Prague;	78
22	<u>Multi-key privacy-preserving deep learning in cloud computing</u>	Li, Ping; Li, Jin; Huang, Zhengan; Li, Tong; Gao, Chong-Zhi; Yiu, Siu-Ming; Chen, Kai	Future Generation Computer Systems-The International Journal Of Escience, 2017, 74:76-85	Chinese Academy Of Sciences;University Of Hong Kong;Nankai University;Institute Of Information Engineering, Cas, Chinese Academy Of Sciences;Guangzhou University;	73
23	<u>Robust Joint Graph Sparse Coding for Unsupervised Spectral Feature Selection</u>	Zhu, Xiaofeng; Li, Xuelong; Zhang, Shichao; Ju, Chunhua; Wu, Xindong	IEEE Transactions On Neural Networks And Learning Systems, 2017, 28(6):1263-1275	Chinese Academy Of Sciences;Zhejiang Gongshang University;Xian Institute Of Optics & Precision Mechanics, Cas, Chinese Academy Of Sciences;University Of Vermont;State Key Laboratory Of Transient Optics & Photonics;Guangxi Normal University;	70
24	<u>Insight of the protection for data security under selective opening attacks</u>	Huang, Zhengan; Liu, Shengli; Mao, Xianping; Chen, Kefei; Li, Jin	Information Sciences, 2017, 412:223-241	Guangzhou University;Westone Cryptol Res Ctr;State Key Lab Math Engn & Adv Comp;Shanghai Koal Software Co Ltd;Shanghai Jiao Tong University;Hangzhou Normal University;	70



25	<u>Optimal Joint Power and Subcarrier Allocation for Full-Duplex Multicarrier Non-Orthogonal Multiple Access Systems</u>	Yan, Sun; Ng, Derrick Wing Kwan; Ding, Zhiguo; Schober, Robert	IEEE Transactions On Communications, 2017, 65(3):1077-1091	Lancaster University;University Of New South Wales Sydney;University Of Erlangen Nuremberg;University Of British Columbia;	69
26	<u>Deep learning in bioinformatics</u>	Min, Seonwoo; Lee, Byunghan; Yoon, Sungroh	Briefings In Bioinformatics, 2017, 18(5):851-869	Seoul National University;	67
27	<u>A Survey on Internet of Things: Architecture, Enabling Technologies, Security and Privacy, and Applications</u>	Lin, Jie; Yu, Wei; Zhang, Nan; Yang, Xinyu; Zhang, Hanlin; Zhao, Wei	IEEE Internet Of Things Journal, 2017, 4(Si5):1125-1142	George Washington University;Xi'Apost;An Jiaotong University;University System Of Maryland, Towson University;University System Of Maryland;University Of Macau;Qingdao University;	65
28	<u>Energy-Efficient UAV Communication With Trajectory Optimization</u>	Zeng, Yong; Zhang, Rui	IEEE Transactions On Wireless Communications, 2017, 16(6):3747-3760	Agency For Science Technology & Research (Astar);National University Of Singapore;Institute For Infocomm Research;	65
29	<u>Optical Communication in Space: Challenges and Mitigation Techniques</u>	Kaushal, Hemani; Kaddoum, Georges	IEEE Communications Surveys And Tutorials, 2017, 19(1):57-96	Na-The Northcap University;University Of Quebec,Ecole De Technologie Superieure - Canada;University Of Quebec;	62

30	<a href="#">5G: A Tutorial Overview of Standards, Trials, Challenges, Deployment, and Practice</a>	Shafi, Mansoor; Molisch, Andreas F. ; Smith, Peter J. ; Haustein, Thomas; Zhu, Peiying; De Silva, Prasan; Tufvesson, Fredrik; Benjebbour, Anass; Wunder, Gerhard	IEEE Journal On Selected Areas In Communications, 2017, 35(6) :1201-1221	Na-Fraunhofer Heinrich Herz Inst;Victoria University Wellington;University Of Southern California;Spark Nz;Ntt Docomo;Lund University;Huawei Technologies;Fraunhofer Hhi;	58
31	<a href="#">Dual-horizon peridynamics: A stable solution to varying horizons</a>	Ren, Huilong; Zhuang, Xiaoying; Rabczuk, Timon	Computer Methods In Applied Mechanics And Engineering, 2017, 318: 762-782	Bauhaus-Universitat Weimar;University Of Hannover;Tongji University;Ton Duc Thang University;	55
32	<a href="#">Nonfragile Exponential Synchronization of Delayed Complex Dynamical Networks With Memory Sampled-Data Control</a>	Liu, Yajuan; Guo, Bao-Zhu; Park, Ju H. ; Lee, Sang-Moon	IEEE Transactions On Neural Networks And Learning Systems, 2018, 29(1) :118-128	Cas, Chinese Academy Of Sciences, Academy Of Mathematics & System Sciences;Yeungnam University;University Of Witwatersrand;Kyungpook National University;Chinese Academy Of Sciences;	53
33	<a href="#">Energy-Efficient Resource Allocation for Mobile-Edge Computation Offloading</a>	You, Changsheng; Huang, Kaibin; Chae, Hyukjin; Kim, Byoung-Hoon	IEEE Transactions On Wireless Communications, 2017, 16(3) :1397-1411	Na-Lg Elect;University Of Hong Kong;	53

34	<a href="#">LSTM: A Search Space Odyssey</a>	Greff, Klaus; Srivastava, Rupesh K. ; Koutnik, Jan; Steunebrink, Bas R. ; Schmidhuber, Juergen	IEEE Transactions On Neural Networks And Learning Systems, 2017, 28(10) :2 222-2232	Na-Scuola Univ Profess Svizzera Italiana;Univ Svizzera Italiana;	50
35	<a href="#">Continuous Probability Distribution Prediction of Image Emotions via Multitask Shared Sparse Regression</a>	Zhao, Sicheng; Yao, Hongxun; Gao, Yue; Ji, Rongrong; Ding, Guiguang	IEEE Transactions On Multimedia, 2017, 19(3) :632-645	Harbin Institute Of Technology;Xiamen University;Tsinghua University;	42
36	<a href="#">Application of deep convolutional neural network for automated detection of myocardial infarction using ECG signals</a>	Acharya, U. Rajendra; Fujita, Hamido; Oh, Shu Lih; Hagiwara, Yuki; Tan, Jen Hong; Adam, Muhammad	Information Sciences, 2017, 415:190 -198	Na-Ipu;Universiti Malaya;Singapore University Of Social Sciences (Suss);Ngee Ann Polytech;	41
37	<a href="#">Differentially private Naive Bayes learning over multiple data sources</a>	Li, Tong; Li, Jin; Liu, Zheli; Li, Ping; Jia, Chunfu	Information Sciences, 2018, 444:89- 104	Na-Civil Aviation University Of China;Nankai University;Guangzhou University;	41
38	<a href="#">Graph self-representation method for unsupervised feature selection</a>	Hu, Rongyao; Zhu, Xiaofeng; Cheng, Debo; He, Wei; Yan, Yan; Song, Jingkuan; Zhang, Shichao	Neurocomputing, 2017, 2 20:130-137	Guangxi Normal University;University Of Trento;	39

39	<u>Recent Advances in Indoor Localization: A Survey on Theoretical Approaches and Applications</u>	Yassin, Ali; Nasser, Youssef; Awad, Mariette; Al-Dubai, Ahmed; Liu, Ran; Yuen, Chau; Raulefs, Ronald; Aboutanios, Elias	IEEE Communications Surveys And Tutorials, 2017, 19(2) : 1327-1346	American University Of Beirut;University Of New South Wales Sydney;Singapore University Of Technology & Design;Helmholtz Association, German Aerospace Centre (Dlr);Helmholtz Association;Edinburgh Napier University;	38
40	<u>Modeling and Analysis of Uplink Non-Orthogonal Multiple Access in Large-Scale Cellular Networks Using Poisson Cluster Processes</u>	Tabassum, Hina; Hossain, Ekram; Hossain, Jahangir	IEEE Transactions On Communications, 2017, 65(8) :3555-3570	University Of British Columbia;University Of Manitoba;	37
41	<u>Privacy-preserving Naive Bayes classifiers secure against the substitution-then-comparison attack</u>	Gao, Chong-zhi; Cheng, Qiong; He, Pei; Susilo, Willy; Li, Jin	Information Sciences, 2018, 444:72-88	Guangzhou University;University Of Wollongong;State Key Lab Cryptol;	36
42	<u>Mobile edge computing, Fog et al. : A survey and analysis of security threats and challenges</u>	Roman, Rodrigo; Lopez, Javier; Mambo, Masahiro	Future Generation Computer Systems-The International Journal Of Escience, 2018, 78(Pn2) :680-698	Kanazawa University;Universidad De Malaga;	36

43	<u>A novel relational regularization feature selection method for joint regression and classification in AD diagnosis</u>	Zhu, Xiaofeng; Suk, Heung-Il; Wang, Li; Lee, Seong-Whan; Shen, Dinggang	Medical Image Analysis, 2017, 38:205-214	Korea University;University Of North Carolina Chapel Hill,University Of North Carolina;University Of North Carolina;	36
44	<u>Nonlinear Load Sharing and Voltage Compensation of Microgrids Based on Harmonic Power-Flow Calculations Using Radial Basis Function Neural Networks</u>	Baghaee, Hamid Reza; Mirsalim, Mojtaba; Gharehpetan, Gevork B. ; Talebi, Heidar Ali	IEEE Systems Journal, 2018, 12(3):2749-2759	Amirkabir University Of Technology;	34
45	<u>Managing consensus based on leadership in opinion dynamics</u>	Dong, Yucheng; Ding, Zhaogang; Martinez, Luis; Herrera, Francisco	Information Sciences, 2017, 397:187-205	King Abdulaziz University;University Of Granada;Universidad De Jaen;Sichuan University;	34
46	<u>Joint Trajectory and Communication Design for Multi-UAV Enabled Wireless Networks</u>	Wu, Qingqing; Zeng, Yong; Zhang, Rui	IEEE Transactions On Wireless Communications, 2018, 17(3):2109-2121	National University Of Singapore;	32

47	<a href="#">Efficient kNN Classification With Different Numbers of Nearest Neighbors</a>	Zhang, Shichao; Li, Xuelong; Zong, Ming; Zhu, Xiaofeng; Wang, Ruili	IEEE Transactions On Neural Networks And Learning Systems, 2018, 29(5):1774-1785	Chinese Academy Of Sciences;Xian Institute Of Optics & Precision Mechanics, Cas,Chinese Academy Of Sciences;State Key Laboratory Of Transient Optics & Photonics;Massey University;Guangxi Normal University;	32
48	<a href="#">Mobile Edge Computing: A Survey</a>	Abbas, Nasir; Zhang, Yan; Taherkordi, Amir; Skeie, Tor	IEEE Internet Of Things Journal, 2018, 5(1):450-465	Na-Simula Res Lab;University Of Oslo;	31
49	<a href="#">Simultaneous Observation of Hybrid States for Cyber-Physical Systems: A Case Study of Electric Vehicle Powertrain</a>	Lv, Chen; Liu, Yahui; Hu, Xiaosong; Guo, Hongyan; Cao, Dongpu; Wang, Fei-Yue	IEEE Transactions On Cybernetics, 2018, 48(8):2357-2367	Chinese Academy Of Sciences;Tsinghua University;Qingdao Huituo Intelligent Machine Co;Cranfield University;	30
50	<a href="#">Achieving Efficient and Secure Data Acquisition for Cloud-Supported Internet of Things in Smart Grid</a>	Guan, Zhitao; Li, Jing; Wu, Longfei; Zhang, Yue; Wu, Jun; Du, Xiaojiang	IEEE Internet Of Things Journal, 2017, 4(6):1934-1944	North China Electric Power University;Shanghai Jiao Tong University;Pennsylvania Commonwealth System Of Higher Education (Pcshe), Temple University;Pennsylvania Commonwealth System Of Higher Education (Pcshe);	29

51	<u>A minimum adjustment cost feedback mechanism based consensus model for group decision making under social network with distributed linguistic trust</u>	Wu, Jian; Dai, Lifang; Chiclana, Francisco; Fujita, Hamido; Herrera-Viedma, Enrique	Information Fusion, 2018, 41:232-242	De Montfort University; Zhejiang Normal University; University Of Granada; Shanghai Maritime University; King Abdulaziz University; Iwate Prefectural Univ;	29
52	<u>Holographic Near-Eye Displays for Virtual and Augmented Reality</u>	Maimone, Andrew; Georgiou, Andreas; Kollin, Joel S.	ACM Transactions On Graphics, 2017, 36(4), Article Number 85	Na-Microso Res;	28
53	<u>Loihi: A Neuromorphic Manycore Processor with On-Chip Learning</u>	Davies, Mike; Srinivasa, Narayan; Lin, Tsung-Han; China, Gautham; Cao, Yongqiang; Choday, Sri Harsha; Dimou, Georgios; Joshi, Prasad; Imam, Nabil; Jain, Shweta; Liao, Yuyun; Lin, Chit-Kwan; Lines, Andrew; Liu, Ruokun; Mathaikutty, Deepak; Mccoy, Steve; Paul, Arnab; Tse, Jonathan; Venkataramanan, Guruguhanathan; Weng, Yi-Hsin; Wild, Andreas; Yang, Yoonseok; Wang, Hong	IEEE Micro, 2018, 38(1):82-99	Na-Eta Compute; Reduced Energy Microsyst; Intel Corporation;	27

54	<u>Observer-Based Adaptive Fault-Tolerant Tracking Control of Nonlinear Nonstrict-Feedback Systems</u>	Wu, Chengwei; Liu, Jianxing; Xiong, Yongyang; Wu, Ligang	IEEE Transactions On Neural Networks And Learning Systems, 2018, 29(7) :3022-3033	Harbin Institute Of Technology;	26
55	<u>Improve Biomedical Information Retrieval Using Modified Learning to Rank Methods</u>	Xu, Bo; Lin, Hongfei; Lin, Yuan; Ma, Yunlong; Yang, Liang; Wang, Jian; Yang, Zhihao	IEEE-ACM Transactions On Computational Biology And Bioinformatics, 2018, 15(6) :1797-1809	Dalian University Of Technology;	26
56	<u>State Estimation for Static Neural Networks With Time-Varying Delays Based on an Improved Reciprocally Convex Inequality</u>	Zhang, Xian-Ming; Han, Qing-Long	IEEE Transactions On Neural Networks And Learning Systems, 2018, 29(4) :1376-1381	Swinburne University Of Technology;	26
57	<u>Towards fog-driven IoT eHealth: Promises and challenges of IoT in medicine and healthcare</u>	Farahani, Bahar; Firouzi, Farshad; Chang, Victor; Badaroglu, Mustafa; Constant, Nicholas; Mankodiya, Kunal	Future Generation Computer Systems-The International Journal Of Escience, 2018, 78(Pn2) :659-676	Ku Leuven;Xi&Apos;An Jiaotong-Liverpool University;University Of Tehran;University Of Rhode Island;Qualcomm Technol;	25



58	<u>Image recognition with deep neural networks in presence of noise – Dealing with and taking advantage of distortions</u>	Koziarski, Michal; Cyganek, Boguslaw	Integrated Computer-Aided Engineering, 2017, 24(4):337-349	Agh University Of Science & Technology;	25
59	<u>Composite Intelligent Learning Control of Strict-Feedback Systems With Disturbance</u>	Xu, Bin; Sun, Fuchun	IEEE Transactions On Cybernetics, 2018, 48(2):730-741	Northwestern Polytechnical University; Tsinghua University;	24
60	<u>Intelligent optimal route recommendation among heterogeneous objects with keywords</u>	Ashokkumar, P.; Arunkumar, N.; Don, S.	Computers & Electrical Engineering, 2018, 68:526-535	Na-Sastra Univ; Vellore Institute Of Technology;	22
61	<u>Convolutional neural network for bio-medical image segmentation with hardware acceleration</u>	Vardhana, M.; Arunkumar, N.; Lasrado, Sunitha; Abdulhay, Enas; Ramirez-Gonzalez, Gustavo	Cognitive Systems Research, 2018, 50:10-14	Jordan University Of Science & Technology; Univ Cauca; Sastra Univ; Nnam Institute Of Technology;	22
62	<u>VRprofile: gene-cluster-detection-based profiling of virulence and antibiotic resistance traits encoded within genome sequences of pathogenic bacteria</u>	Li, Jun; Tai, Cui; Deng, Zixin; Zhong, Weihong; He, Yongqun; Ou, Hong-Yu	Briefings In Bioinformatics, 2018, 19(4):566-574	Shanghai Jiao Tong University; Zhejiang University Of Technology; University Of Michigan System, University Of Michigan; University Of Michigan System;	21

63	<u>A personalized authoritative user-based recommendation for social tagging</u>	Wei, Jianliang; Meng, Fei; Arunkumar, N.	Future Generation Computer Systems-The International Journal Of Escience, 2018, 86:355-361	Na-Sastra Univ; Zhejiang Police College; Zhejiang Gongshang University;	21
64	<u>An optimized data hiding scheme for Deflate codes</u>	Xue, Yuan; Tan, Yu-an; Liang, Chen; Zhang, ChangYou; Zheng, Jun	Soft Computing, 2018, 22(Si13):4445-4455	Na-Beijing Engn Res Ctr Mass Language Informat Proc; Chinese Academy Of Sciences; Cas, Chinese Academy Of Sciences, Institute Of Software; Beijing Institute Of Technology;	21
65	<u>Facial expression recognition via learning deep sparse autoencoders</u>	Zeng, Nianyin; Zhang, Hong; Song, Baoye; Liu, Weibo; Li, Yurong; Dobaie, Abdullah M.	Neurocomputing, 2018, 273:643-649	Brunel University; Xiamen University; Shandong University Of Science & Technology; King Abdulaziz University; Fuzhou University; Fujian Key Lab Med Instrumentat & Pharmaceut Tech;	21
66	<u>On Optimal Power Allocation for Downlink Non-Orthogonal Multiple Access Systems</u>	Zhu, Jianyue; Wang, Jiaheng; Huang, Yongming; He, Shiwen; You, Xiaohu; Yang, Luxi	IEEE Journal On Selected Areas In Communications, 2017, 35(12):2744-2757	Southeast University - China;	21

67	<u>Deep convolutional neural network for the automated detection and diagnosis of seizure using EEG signals</u>	Acharya, U. Rajendra; Oh, Shu Lih; Hagiwara, Yuki; Tan, Jen Hong; Adeli, Hojjat	Computers In Biology And Medicine, 2018, 100:270-278	Na-Ngee Ann Polytech;Universiti Malaya;Univ Sys Ohio, Ohio State University;Singapore University Of Social Sciences (Suss);	19
68	<u>New inclusion relation of neutrosophic sets with applications and related lattice structure</u>	Zhang, Xiaohong; Bo, Chunxin; Smarandache, Florentin; Dai, Jianhua	International Journal Of Machine Learning And Cybernetics, 2018, 9(10):1753-1763	Hunan Normal University;University Of New Mexico;Shanghai Maritime University;Shaanxi University Of Science & Technology;Ministry Of Education, China;	19
69	<u>A neural network constructed by deep learning technique and its application to intelligent fault diagnosis of machines</u>	Jia, Feng; Lei, Yaguo; Guo, Liang; Lin, Jing; Xing, Saibo	Neurocomputing, 2018, 272:619-628	Xi&Apos;An Jiaotong University;	19
70	<u>Sampled-Data Consensus of Linear Multi-agent Systems With Packet Losses</u>	Zhang, Wenbing; Tang, Yang; Huang, Tingwen; Kurths, Juergen	IEEE Transactions On Neural Networks And Learning Systems, 2017, 28(11):2516-2527	East China University Of Science & Technology;Yangzhou University;Texas A&M University Qatar;Potsdam Institut Fur Klimafolgenforschung;Lobachevsky State University Of Nizhni Novgorod;Humboldt University Of Berlin;	19

71	<u>Modified Primal-Dual Neural Networks for Motion Control of Redundant Manipulators With Dynamic Rejection of Harmonic Noises</u>	Li, Shuai; Zhou, MengChu; Luo, Xin	IEEE Transactions On Neural Networks And Learning Systems, 2018, 29(10):4791-4801	Na-Cas, Chinese Academy Of Sciences, Chongqing Institute Of Green & Intelligent Technology; New Jersey Institute Of Technology; Macau University Of Science & Technology; Hong Kong Polytechnic University; Chinese Academy Of Sciences;	18
72	<u>Four-image encryption scheme based on quaternion Fresnel transform, chaos and computer generated hologram</u>	Yu, Chuying; Li, Jianzhong; Li, Xuan; Ren, Xuechang; Gupta, B. B.	Multimedia Tools And Applications, 2018, 77(4):4585-4608	Fujian Normal University; Xiamen University; National Institute Of Technology Kurukshetra; Hanshan Normal University;	18
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