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# ESI 计算机科学领域 热点论文信息推送

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中国科学院自动化研究所

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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 7 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 2017 年 2 月到 2019 年 2 月发表的文章,在 2019 年 3~4 月内被引次数排名前 0.1% 的文章。数据更新时间为 2019 年 07 月。

本期 ESI 发布计算机科学领域的热点文章共 79 篇,总被引 5095 次。其中:

- 总被引最多的年份为 2017 年,占 65.8%; 篇数最多的年份为 2018 年,占 51.9%;
- 来源出版物前三位分别是 *IEEE Transactions On Cybernetics*、*IEEE Transactions On Wireless Communications*、*Neurocomputing*, 分别是 8 篇、6 篇和 5 篇。
- 总被引频次最多的出版物是 *Journal Of Statistical Software* (同上期), 被引合计 613 次;
- 单篇最高被引 454 次 (上期 319 次); 该论文由丹麦科技大学 (*Technical University Of Denmark*) 的 *Kuznetsova, Alexandra* 等人在 *Journal of Statistical Software* 上发表, 题名为 *ImerTest Package: Tests in Linear Mixed Effects Models*;
- 新上榜 49 篇, 单篇最高被引 119 次; 该论文由美国海洋大气管理局 (*National Oceanic Atmospheric Admin-Usa*) 的 *Rolph, Glenn* 等人在 *Environmental Modelling & Software* 发表, 题名为 *Real-time Environmental Applications and Display sYstem: READY*。

附表：ESI 计算机科学领域热点论文 (2019 年 7 月更新)

注：红色标记代表相比上期首次入榜文章。

序号	作者	题名	来源	作者机构	被引次数
1	Kuznetsova, Alexandra; Brockhoff, Per B.; Christensen, Rune H. B.	lmerTest Package: Tests in Linear Mixed Effects Models	Journal Of Statistical Software, 2017, 82(13):1-26	Technical University Of Denmark;	454
2	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.	A survey on deep learning in medical image analysis	Medical Image Analysis, 2017, 42:60-88	Radboud University Nijmegen;	310
3	Rueden, Curtis T.; Schindelin, Johannes; Hiner, Mark C.; DeZonia, Barry E.; Walter, Alison E.; Arena, Ellen T.; Eliceiri, Kevin W.	ImageJ2: ImageJ for the next generation of scientific image data	BMC Bioinformatics, 2017, 18, Article Number 529	The Morgridge Institute For Research, Inc.; University Of Wisconsin System; University Of Wisconsin Madison;	254
4	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,	Mastering the game of Go without human knowledge	Nature, 2017, 550(7676):354+	Deepmind;	227

	George; Graepel, Thore; Hassabis, Demis				
5	Vehtari, Aki; Gelman, Andrew; Gabry, Jonah	Practical Bayesian model evaluation using leave-one-out cross-validation and WAIC	Statistics And Computing, 2017, 27(5):1413-1432	Aalto University; Columbia University;	187
6	Krizhevsky, Alex; Sutskever, Ilya; Hinton, Geoffrey E.	ImageNet Classification with Deep Convolutional Neural Networks	Communications Of The ACM, 2017, 60(6):84-90	Google Incorporated; Openai;	185
7	Buerkner, Paul-Christian	brms: An R Package for Bayesian Multilevel Models Using Stan	Journal Of Statistical Software, 2017, 80(1):1-28	University Of Munster;	159
8	Chen, Xing; Yan, Chenggang Clarence; Zhang, Xu; You, Zhu-Hong	Long non-coding RNAs and complex diseases: from experimental results to computational models	Briefings In Bioinformatics, 2017, 18(4):558-576	China University Of Mining & Technology; Shandong University; Hangzhou Dianzi University;	136
9	Lin, Jie; Yu, Wei; Zhang, Nan; Yang, Xinyu; Zhang, Hanlin; Zhao, Wei	A Survey on Internet of Things: Architecture, Enabling Technologies, Security and Privacy, and Applications	IEEE Internet Of Things Journal, 2017, 4(Si5):1125-1142	George Washington University; Xi'an Jiaotong University; University System Of Maryland; University Of Macau; Towson University; Qingdao University;	119
10	Rolph, Glenn; Stein, Ariel; Stunder, Barbara	Real-time Environmental Applications and Display sSystem: READY	Environmental Modelling & Software, 2017, 95:210-228	National Oceanic Atmospheric Admin (Noaa) - Usa;	119

11	Zeng, Yong; Zhang, Rui	Energy-Efficient UAV Communication With Trajectory Optimization	IEEE Transactions On Wireless Communications, 2017, 16(6) :3747-3760	Agency For Science Technology & Research (Astar);National University Of Singapore;Institute For Infocomm Research;	117
12	Li, Jin; Zhang, Yinghui; Chen, Xiaofeng; Xiang, Yang	Secure attribute-based data sharing for resource-limited users in cloud computing	Computers & Security, 2018, 72:1-12	Chinese Academy Of Sciences;Xidian University;XiApos;An University Of Posts & Telecommunications;Westone Cryptol Res Ctr;Swinburne University Of Technology;State Key Lab Cryptol;Guangzhou University;	114
13	Greff, Klaus; Srivastava, Rupesh K.; Koutnik, Jan; Steunebrink, Bas R.; Schmidhuber, Juergen	LSTM: A Search Space Odyssey	IEEE Transactions On Neural Networks And Learning Systems, 2017, 28(10) :2222-2232	Na-Scuola Univ Profess Svizzera Italiana;Univ Svizzera Italiana;	110
14	Shafi, Mansoor; Molisch, Andreas F.; Smith, Peter J.; Haustein, Thomas; Zhu, Peiyang; De Silva, Prasan; Tufvesson, Fredrik; Benjebbour, Anass; Wunder, Gerhard	5G: A Tutorial Overview of Standards, Trials, Challenges, Deployment, and Practice	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;	99
15	Min, Seonwoo; Lee, Byunghan; Yoon, Sungroh	Deep learning in bioinformatics	Briefings In Bioinformatics, 2017, 18(5) :851-869	Seoul National University;	98

16	Zhu, Xiaofeng; Li, Xuelong; Zhang, Shichao; Ju, Chunhua; Wu, Xindong	Robust Joint Graph Sparse Coding for Unsupervised Spectral Feature Selection	IEEE Transactions On Neural Networks And Learning Systems, 2017, 28(6):1263-1275	Chinese Academy Of Sciences; Zhejiang Gongshang University; Xi'an Institute Of Optics & Precision Mechanics, Cas; University Of Vermont; State Key Laboratory Of Transient Optics & Photonics; Guangxi Normal University;	93
17	Wang, Jinwei; Li, Ting; Shi, Yun-Qing; Lian, Shiguo; Ye, Jingyu	Forensics feature analysis in quaternion wavelet domain for distinguishing photographic images and computer graphics	Multimedia Tools And Applications, 2017, 76(22):23721-23737	Huawei Technologies; New Jersey Institute Of Technology; Nanjing University Of Information Science & Technology;	93
18	Ren, Huilong; Zhuang, Xiaoying; Rabczuk, Timon	Dual-horizon peridynamics: A stable solution to varying horizons	Computer Methods In Applied Mechanics And Engineering, 2017, 318:762-782	Bauhaus-Universitat Weimar; University Of Hannover; Tongji University; Ton Duc Thang University;	89
19	Mirjalili, Seyedali; Gandomi, Amir H.; Mirjalili, Seyedeh Zahra; Saremi, Shahrzad; Faris, Hossam; Mirjalili, Seyed Mohammad	Salp Swarm Algorithm: A bio-inspired optimizer for engineering design problems	Advances In Engineering Software, 2017, 114:163-191	Concordia University - Canada; University Of Newcastle; University Of Jordan; Stevens Institute Of Technology; Michigan State University; Griffith University;	76
20	Rodrigues, Tiago Gama; Suto, Katsuya; Nishiyama, Hiroki; Kato, Nei	Hybrid Method for Minimizing Service Delay in Edge Cloud Computing Through VM Migration and Transmission Power Control	IEEE Transactions On Computers, 2017, 66(5):810-819	Tohoku University; University Of Waterloo;	74

21	Wu, Qingqing; Zeng, Yong; Zhang, Rui	Joint Trajectory and Communication Design for Multi-UAV Enabled Wireless Networks	IEEE Transactions On Wireless Communications, 2018, 17(3):2109-2121	National University Of Singapore;	68
22	Ding, Lei; Han, Qing-Long; Ge, Xiaohua; Zhang, Xian-Ming	An Overview of Recent Advances in Event-Triggered Consensus of Multiagent Systems	IEEE Transactions On Cybernetics, 2018, 48(4):1110-1123	Swinburne University Of Technology;	65
23	Ding, Derui; Wang, Zidong; Ho, Daniel W. C.; Wei, Guoliang	Observer-Based Event-Triggering Consensus Control for Multiagent Systems With Lossy Sensors and Cyber-Attacks	IEEE Transactions On Cybernetics, 2017, 47(Si8):1936-1947	Brunel University;University Of Shanghai For Science & Technology;King Abdulaziz University;City University Of Hong Kong;	63
24	He, Wei; Yin, Zhao; Sun, Changyin	Adaptive Neural Network Control of a Marine Vessel With Constraints Using the Asymmetric Barrier Lyapunov Function	IEEE Transactions On Cybernetics, 2017, 47(7):1641-1651	Southeast University - China;University Of Science & Technology Beijing;University Of Electronic Science & Technology Of China;	63
25	Roman, Rodrigo; Lopez, Javier; Mambo, Masahiro	Mobile edge computing, Fog et al.: A survey and analysis of security threats and challenges	Future Generation Computer Systems-The International Journal Of Escience, 2018, 78(2):680-698	Kanazawa University;Universidad De Malaga;	60
26	Li, He; Ota, Kaoru; Dong, Mianxiong	Learning IoT in Edge: Deep Learning for the Internet of Things with Edge Computing	IEEE Network, 2018, 32(1):96-101	Muroran Institute Of Technology;	59
27	Ota, Kaoru; Dong, Mianxiong; Gui, Jinsong; Liu, Anfeng	QUOIN: Incentive Mechanisms for Crowd Sensing Networks	IEEE Network, 2018, 32(2):114-119	Central South University;Muroran Institute Of Technology;	59

28	Chen, Xing; Xie, Di; Zhao, Qi; You, Zhu-Hong	MicroRNAs and complex diseases: from experimental results to computational models	Briefings In Bioinformatics, 2019, 20(2):515-539	China University Of Mining & Technology; Liaoning University; Chinese Academy Of Sciences;	58
29	Zhang, Shichao; Li, Xuelong; Zong, Ming; Zhu, Xiaofeng; Wang, Ruili	Efficient kNN Classification With Different Numbers of Nearest Neighbors	IEEE Transactions On Neural Networks And Learning Systems, 2018, 29(5):1774-1785	Chinese Academy Of Sciences; Xi'an Institute Of Optics & Precision Mechanics, Cas; State Key Laboratory Of Transient Optics & Photonics; Massey University; Guangxi Normal University;	55
30	Liu, Peide; Teng, Fei	Some Muirhead mean operators for probabilistic linguistic term sets and their applications to multiple attribute decision-making	Applied Soft Computing, 2018, 68:396-431	Shandong University Of Finance & Economics;	55
31	Liu, Peide; Liu, Junlin; Merigo, Jose M.	Partitioned Heronian means based on linguistic intuitionistic fuzzy numbers for dealing with multi-attribute group decision making	Applied Soft Computing, 2018, 62:395-422	King Saud University; Universidad De Chile; Shandong University Of Finance & Economics;	55
32	Zhang, Qingchen; Yang, Laurence T.; Chen, Zhikui; Li, Peng	A survey on deep learning for big data	Information Fusion, 2018, 42:146-157	Dalian University Of Technology; University Of Electronic Science & Technology Of China; Saint Francis Xavier University - Canada;	52



33	Kato, Nei; Fadlullah, Zubair Md.; Mao, Bomin; Tang, Fengxiao; Akashi, Osamu; Inoue, Takeru; Mizutani, Kimihiro	THE DEEP LEARNING VISION FOR HETEROGENEOUS NETWORK TRAFFIC CONTROL: PROPOSAL, CHALLENGES, AND FUTURE PERSPECTIVE	IEEE Wireless Communications, 2017, 24 (Si3) :146-153	Nippon Telegraph & Telephone Corporation;Tohoku University;	50
34	Ge, Xiaohua; Han, Qing-Long; Ding, Derui; Zhang, Xian-Ming; Ning, Boda	A survey on recent advances in distributed sampled-data cooperative control of multi-agent systems	Neurocomputing, 2018, 275:168 4-1701	Swinburne University Of Technology;	50
35	Ge, Xiaohua; Han, Qing-Long	Consensus of Multiagent Systems Subject to Partially Accessible and Overlapping Markovian Network Topologies	IEEE Transactions On Cybernetics, 2017, 47 (Si8) :18 07-1819	Griffith University;Swinburne University Of Technology;	49
36	Wang, Fang; Chen, Bing; Lin, Chong; Zhang, Jing; Meng, Xinzhu	Adaptive Neural Network Finite-Time Output Feedback Control of Quantized Nonlinear Systems	IEEE Transactions On Cybernetics, 2018, 48 (6) :1839 -1848	Guangdong University Of Foreign Studies;Shandong University Of Science & Technology;Qingdao University;	49
37	Mozaffari, Mohammad; Saad, Walid; Bennis, Mehdi; Debbah, Merouane	Mobile Unmanned Aerial Vehicles (UAVs) for Energy-Efficient Internet of Things Communications	IEEE Transactions On Wireless Communications, 2017, 16 (11) : 7574-7589	Centralesupelec;Virginia Polytechnic Institute & State University;Universite Paris Saclay (Comue);Universite Paris Saclay;Kyung Hee University;Huawei France Res & Dev;Ctr Wireless Commun;	47
38	Alzenad, Mohamed; El-Keyi, Amr; Lagum, Faraj; Yanikomeroglu, Halim	3-D Placement of an Unmanned Aerial Vehicle Base Station (UAV-BS) for Energy-Efficient Maximal	IEEE Wireless Communications Letters, 2017, 6 (4) :434-437	Carleton University;University Of Benghazi;Sirte Univ;	46

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39	Zeng, Nianyin; Zhang, Hong; Song, Baoye; Liu, Weibo; Li, Yurong; Dobaie, Abdullah M.	Facial expression recognition via learning deep sparse autoencoders	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;	46
40	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, Guruguhathan; Weng, Yi-Hsin; Wild, Andreas; Yang, Yoonseok; Wang, Hong	Loihi: A Neuromorphic Manycore Processor with On-Chip Learning	IEEE Micro, 2018, 38(1):82-99	Na-Eta Compute;Reduced Energy Microsyst;Intel Corporation;	45
41	van Dam, Sipko; Vosa, Urmo; van der Graaf, Adriaan; Franke, Lude; de Magalhaes, Joao Pedro	Gene co-expression analysis for functional classification and gene-disease predictions	Briefings In Bioinformatics, 2018, 19(4):575-592	University Of Groningen;University Of Liverpool;	43
42	Wang, Feng; Xu, Jie; Wang, Xin; Cui, Shuguang	Joint Offloading and Computing Optimization in Wireless Powered Mobile-Edge Computing	IEEE Transactions On Wireless Communications, 2018, 17(3):1784-1797	Fudan University;University Of California System;University Of California Davis;Shenzhen Res Inst Big Data;Guangdong	39

		Systems		University Of Technology;	
43	Khan, Minhaj Ahmad; Salah, Khaled	IoT security: Review, blockchain solutions, and open challenges	Future Generation Computer Systems-The International Journal Of Escience, 2018, 82:395-411	Bahauddin Zakariya University;Khalifa University Of Science & Technology;	38
44	Cheng, Jun; Park, Ju H.; Karimi, Hamid Reza; Shen, Hao	A Flexible Terminal Approach to Sampled-Data Exponentially Synchronization of Markovian Neural Networks With Time-Varying Delayed Signals	IEEE Transactions On Cybernetics, 2018, 48(8):2232-2244	Anhui University Of Technology;Yeungnam University;University Of Electronic Science & Technology Of China;Polytechnic University Of Milan;Hubei University For Nationalities;	37
45	Zhao, Nan; Cheng, Fen; Yu, F. Richard; Tang, Jie; Chen, Yunfei; Gui, Guan; Sari, Hikmet	Caching UAV Assisted Secure Transmission in Hyper-Dense Networks Based on Interference Alignment	IEEE Transactions On Communications, 2018, 66(5):281-2294	Carleton University;University Of Warwick;Southeast University - China;South China University Of Technology;Sequans Commun;Nanjing University Of Posts & Telecommunications;Dalian University Of Technology;	36
46	Wang, Changzhong; He, Qiang; Shao, Mingwen; Hu, Qinghua	Feature selection based on maximal neighborhood discernibility	International Journal Of Machine Learning And Cybernetics, 2018, 9(11):1929-1940	Beijing University Of Civil Engineering & Architecture;Tianjin University;China University Of Petroleum;Bohai University;	35

47	Ahmed, Ejaz; Yaqoob, Ibrar; Hashem, Ibrahim Abaker Targio; Khan, Imran; Ahmed, Abdelmuttlib Ibrahim Abdalla; Imran, Muhammad; Vasilakos, Athanasios V.	The role of big data analytics in Internet of Things	Computer Networks, 2017, 129(Si2):459-471	King Saud University;Universiti Malaya;Schneider Electric;Lulea University Of Technology;	33
48	Ding, Derui; Han, Qing-Long; Xiang, Yang; Ge, Xiaohua; Zhang, Xian-Ming	A survey on security control and attack detection for industrial cyber-physical systems	Neurocomputing, 2018, 275:1674-1683	Swinburne University Of Technology;	32
49	Mouradian, Carla; Naboulsi, Diala; Yangui, Sami; Glitho, Roch H.; Morrow, Monique J.; Polakos, Paul A.	A Comprehensive Survey on Fog Computing: State-of-the-Art and Research Challenges	IEEE Communications Surveys And Tutorials, 2018, 20(1):416-464	Centre National De La Recherche Scientifique (Cnrs);University Of The Western Cape;Universite De Toulouse;Concordia University - Canada;Cisco Systems Inc;	31
50	Zhang, Xiaohong; Bo, Chunxin; Smarandache, Florentin; Dai, Jianhua	New inclusion relation of neutrosophic sets with applications and related lattice structure	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;	31
51	Ma, Jiayi; Ma, Yong; Li, Chang	Infrared and visible image fusion methods and applications: A survey	Information Fusion, 2019, 45:153-178	Wuhan University;	29
52	Kapoor, Kawaljeet Kaur; Tamilmani, Kuttimani; Rana, Nripendra P.; Patil, Pushp; Dwivedi, Yogesh K.; Nerur, Sridhar	Advances in Social Media Research: Past, Present and Future	Information Systems Frontiers, 2018, 20(Si3):531-558	Brunel University;University Of Texas System;University Of Texas Arlington;Swansea University;	28

53	Zhang, Shuhang; Zhang, Hongliang; He, Qichen; Bian, Kaigui; Song, Lingyang	Joint Trajectory and Power Optimization for UAV Relay Networks	IEEE Communications Letters, 2018, 22(1):161-164	Peking University;	27
54	Xiao, Fuyuan	Multi-sensor data fusion based on the belief divergence measure of evidences and the belief entropy	Information Fusion, 2019, 46:23-32	Southwest University - China;	27
55	Cao, Yuan; Li, Peng; Zhang, Yuzhuo	Parallel processing algorithm for railway signal fault diagnosis data based on cloud computing	Future Generation Computer Systems-The International Journal Of Escience, 2018, 88:279-283	Beijing Jiaotong University;	26
56	Sheikholeslami, M.	New computational approach for exergy and entropy analysis of nanofluid under the impact of Lorentz force through a porous media	Computer Methods In Applied Mechanics And Engineering, 2019, 344:319-333	Babol Noshirvani University Of Technology;	25
57	Zeng, Yong; Xu, Xiaoli; Zhang, Rui	Trajectory Design for Completion Time Minimization in UAV-Enabled Multicasting	IEEE Transactions On Wireless Communications, 2018, 17(4):2233-2246	Nanyang Technological University; National University Of Singapore; Nanyang Technological University & National Institute Of Education (Nie) Singapore;	24
58	Zhou, Liang; Wu, Dan; Chen, Jianxin; Dong, Zhenjiang	When Computation Hugs Intelligence: Content-Aware Data Processing for Industrial IoT	IEEE Internet Of Things Journal, 2018, 5(Si3):1657-1666	Na-Army Engn Univ Pla; Zte; Nanjing University Of Posts & Telecommunications; Jiangsu High Technol Res Key Lab Wireless Sensor;	23

59	Shen, Hao; Huo, Shicheng; Cao, Jinde; Huang, Tingwen	Generalized State Estimation for Markovian Coupled Networks Under Round-Robin Protocol and Redundant Channels	IEEE Transactions On Cybernetics, 2019, 49(4):1292-1301	Anhui University Of Technology;Texas A&M University Qatar;Southeast University - China;Shandong Normal University;Nantong University;	23
60	Wang, Xuanhan; Gao, Lianli; Wang, Peng; Sun, Xiaoshuai; Liu, Xianglong	Two-Stream 3-D convNet Fusion for Action Recognition in Videos With Arbitrary Size and Length	IEEE Transactions On Multimedia, 2018, 20(3):634-644	Beihang University;University Of Electronic Science & Technology Of China;University Of Adelaide;Harbin Institute Of Technology;	21
61	Cheng, Jun; Chang, Xiao-Heng; Park, Ju H.; Li, Hong; Wang, Hailing	Fuzzy-model-based H-infinity control for discrete-time switched systems with quantized feedback and unreliable links	Information Sciences, 2018, 436:181-196	Hubei University For Nationalities;Yeungnam University;Wuhan University Of Science & Technology;University Of Electronic Science & Technology Of China;	21
62	Rodrigues, Tiago Gama; Suto, Katsuya; Nishiyama, Hiroki; Kato, Nei; Temma, Katsuhiko	Cloudlets Activation Scheme for Scalable Mobile Edge Computing with Transmission Power Control and Virtual Machine Migration	IEEE Transactions On Computers, 2018, 67(9):1287-1300	National Institute Of Information & Communications Technology (Nict) - Japan;University Of Waterloo;Tohoku University;	19
63	Cheng, Jun; Park, Ju H.; Cao, Jinde; Zhang, Dian	Quantized H-infinity filtering for switched linear parameter-varying systems with sojourn probabilities and unreliable communication channels	Information Sciences, 2018, 466:289-302	Hubei University For Nationalities;Yeungnam University;Southeast University - China;Qingdao University Of Science & Technology;	19

64	Wang, Jin; Ju, Chunwei; Gao, Yu; Sangaiah, Arun Kumar; Kim, Gwang-Jun	A PSO based Energy Efficient Coverage Control Algorithm for Wireless Sensor Networks	CMC-Computers Materials & Continua, 2018, 56(3):433-446	Changsha University Of Science & Technology;Yangzhou University;Vellore Institute Of Technology;Chonnam National University;	18
65	Xu, Jie; Zeng, Yong; Zhang, Rui	UAV-Enabled Wireless Power Transfer: Trajectory Design and Energy Optimization	IEEE Transactions On Wireless Communications, 2018, 17(8):5092-5106	Guangdong University Of Technology;University Of Sydney;National University Of Singapore;	18
66	Sheikholeslami, M.	Numerical approach for MHD Al2O3-water nanofluid transportation inside a permeable medium using innovative computer method	Computer Methods In Applied Mechanics And Engineering, 2019, 344:306-318	Babol Noshirvani University Of Technology;	17
67	Zeng, Nianyin; Qiu, Hong; Wang, Zidong; Liu, Weibo; Zhang, Hong; Li, Yurong	A new switching-delayed-PSO-based optimized SVM algorithm for diagnosis of Alzheimer's disease	Neurocomputing, 2018, 320:195-202	Brunel University;Xiamen University;Shandong University Of Science & Technology;Fuzhou University;Fujian Key Lab Med Instrumentat & Pharmaceut Tech;	17
68	Zhao, Nan; Liu, Rui; Chen, Yang; Wu, Minghu; Jiang, Yunhao; Xiong, Wei; Liu, Cong	Contract design for relay incentive mechanism under dual asymmetric information in cooperative networks	Wireless Networks, 2018, 24(8):3029-3044	Hubei University Of Technology;	16
69	Wang Yaoyao; Zhu Kangwu; Yan Fei; Chen Bai	Adaptive super-twisting nonsingular fast terminal sliding mode control for cable-driven manipulators using time-delay estimation	Advances In Engineering Software, 2019, 128:113-124	Nanjing University Of Aeronautics & Astronautics;Zhejiang University;Shanghai Inst Spaceflight Control Technol;	16

70	Ye, Dan; Chen, Meng-Meng; Yang, Hai-Jiao	Distributed Adaptive Event-Triggered Fault-Tolerant Consensus of Multiagent Systems With General Linear Dynamics	IEEE Transactions On Cybernetics, 2019, 49(3):757-767	Northeastern University - China;	15
71	Sheikholeslami, M.; Gerdroodbary, M. Barzegar; Moradi, R.; Shafee, Ahmad; Li, Zhixiong	Application of Neural Network for estimation of heat transfer treatment of Al2O3-H2O nanofluid through a channel	Computer Methods In Applied Mechanics And Engineering, 2019, 344:1-12	Babol Noshirvani University Of Technology;University Of Wollongong;University Of Tun Hussein Onn Malaysia;Public Authority For Applied Education & Training (Paaet) - Kuwait;Ocean University Of China;Ministry Of Education Of Azerbaijan Republic;Khazar University;	15
72	Faris, Hossam; Mafarja, Majdi M.; Heidari, Ali Asghar; Aljarah, Ibrahim; Al-Zoubi, Ala' M.; Mirjalili, Seyedali; Fujita, Hamido	An efficient binary Salp Swarm Algorithm with crossover scheme for feature selection problems	Knowledge-Based Systems, 2018, 154:43-67	Birzeit University;University Of Tehran;University Of Jordan;Iwate Prefectural Univ Ipu;Griffith University;	15
73	Xu, Li Da; Duan, Lian	Big data for cyber physical systems in industry 4.0: a survey	Enterprise Information Systems, 2019, 13(Si2):148-169	Hofstra University;Old Dominion University;	14
74	Guo, Hongzhi; Liu, Jiajia; Zhang, Jie; Sun, Wen; Kato, Nei	Mobile-Edge Computation Offloading for Ultradense IoT Networks	IEEE Internet Of Things Journal, 2018, 5(6):4977-4988	Chinese Academy Of Sciences;Xidian University;Tohoku University;	13
75	Cheng, Nan; Lyu, Feng; Chen, Jiayin; Xu, Wenchao; Zhou, Haibo; Zhang, Shan; Shen, Xuemin (Sherman)	Big Data Driven Vehicular Networks	IEEE Network, 2018, 32(6):160-167	Beihang University;University Of Waterloo;Shanghai Jiao Tong University;Nanjing University;	11



76	Shi, Fang; Xia, Junjuan; Na, Zhenyu; Liu, Xin; Ding, Yunfei; Wang, Zhi	Secure probabilistic caching in random multi-user multi-UAV relay networks	Physical Communication, 2019, 32:31-40	Dalian Maritime University;Guangzhou University;Guangdong Haige Create Technol Co Ltd;Dalian University Of Technology;	10
77	Zhang, Xian-Ming; Han, Qing-Long; Ge, Xiaohua; Ding, Derui	An overview of recent developments in Lyapunov-Krasovskii functionals and stability criteria for recurrent neural networks with time-varying delays	Neurocomputing, 2018, 313:392-401	Swinburne University Of Technology;	10
78	Bai, Lin; Zhu, Lina; Zhang, Xuejun; Zhang, Wei; Yu, Quan	Multi-Satellite Relay Transmission in 5G: Concepts, Techniques, and Challenges	IEEE Network, 2018, 32(5):38-44	Beihang University;University Of New South Wales Sydney;Inst Chinese Elect Equipment Syst Engn Corp;Beijing Lab Gen Aviat Technol;	9
79	Gutub, Adnan; Al-Juaid, Nouf; Khan, Esam	Counting-based secret sharing technique for multimedia applications	Multimedia Tools And Applications, 2019, 78(5):5591-5619	Na-Shaqra University;Umm Al Qura University;	7

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