

2018年中国百篇最具影响国际学术论文公布！

关注青年学者的 青塔人才 今天

青塔人才热点

CINGTA TALENT HOTSPOTS

• 2019.11.20 •

求职讯息

- 2019海交会将于12月中旬举行 吸引高层次人才
- 2019东莞高层次人才活动周正式开幕！将举办22场人才交流活动
- 大连医科大学2019年公开招聘高层次人才和急需紧缺人才（第四批）公告
- 来这所国防名校，天空宇宙都给你！

人才资讯

- 重磅人才政策今日发布，临港新片区要在这张“五线谱”上奏响新时代动人乐章
- 滦州人社局：三举措推动高层次人才建设

- 华中师大一附中拟录取9名教师，6人博士毕业，6人来自清北
- 深圳力争配建13万套人才房保障房 规划批准中小学不少于100所



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高校求职·人才资讯

PEOPLE KNOW WHERE TO GO

11月19日，中国科学技术信息研究所（以下简称“中信所”）在北京召开中国科技论文统计结果发布会，从中国科研人员发表的论文数量、高被引论文和热点论文占比以及国际合作状况等角度给出分析报告。

根据中信所发布的论文统计局结果，青塔对2018年中国百篇最具影响国际学术论文进行了整理。

本年度百篇最具影响国际学术论文是从2018年SCI收录的我国第一作者论文中选取的。这100篇最具影响国际学术论文都来自2018年中国卓越国际科技论文，这就保证了论文的领先性和在学科中的相对优势，并以此为基础结合以下指标进行遴选：

- 论文的创新性（是否获得重大基金和项目支持）
- 发表论文的期刊水平（期刊的主要指标影响因子和总被引数在学科中所处的位置）
- 是否处于研究前沿（是否属于研究热点，考察论文发表当年的被引次数）
- 合著论文中我国作者的主导性（以我为主的国际合作情况）
- 论文的文献类型（只计Article和Review类型）
- 论文的参考文献情况（考量Article和Review国际平均引文数）

在选取百篇论文时，既要考虑学科面的平衡，同时也要向属于我国优势学科、重点发展领域、国际合作优先领域及研究热点的论文进行适度倾斜。在遴选时主要考虑原创性研究成果的论文，也适当

选取一些被引次数较高的综述评论性论文。

100篇论文分布于数学，力学，信息，系统科学，物理学，化学，地学，生物学，预防医学与卫生学，基础医学，药理学，临床医学，农学，材料科学，能源科学技术，机械、仪表，电子、通信与自动控制，计算技术，化工，轻工、纺织，土木建筑，水利，交通运输，航空航天，环境科学等24个学科。

100篇高影响国际论文分属于75个机构，其中高等院校76篇，研究所14篇，高校附属医院和其他医院10篇。按完成单位统计，浙江大学、西北工业大学、山东科技大学各有4篇入选，位居第一位。复旦大学、哈尔滨工业大学、湖南大学、华北电力大学、四川大学、浙江师范大学各有三篇。北京大学、安徽工业大学等高校各有2篇。其他高校入选篇数少于2篇。

2018年中国百篇最具影响国际学术论文依托单位统计		
序号	单位名称	项目数
1	浙江大学	4
1	西北工业大学	4
1	山东科技大学	4
4	复旦大学	3
4	哈尔滨工业大学	3
4	湖南大学	3
4	华北电力大学	3
4	四川大学	3
4	浙江师范大学	3
4	北京大学	2
4	安徽工业大学	2
4	其他高校	少于2篇

4	四川大学	3
4	浙江师范大学	3
10	北京大学	2
10	安徽工业大学	2
10	北京科技大学	2
10	海军军医大学	2
10	上海工程技术大学	2
10	深圳大学	2
10	太原理工大学	2
10	中国科学院化学研究所	2
10	中山大学	2
19	安徽农业大学	1
19	北京航空航天大学	1
19	北京理工大学	1
19	大连理工大学	1

19	福州大学	1
19	广东省人民医院	1
19	广州大学	1
19	广州医科大学	1
19	国家纳米科学中心	1
19	海南大学	1
19	杭州电子科技大学	1
19	河南科技大学	1
19	华东理工大学	1
19	华南理工大学	1
19	华侨大学	1
19	华中科技大学	1
19	济南大学	1
19	解放军总医院	1

19 景德镇陶瓷大学 1

19 辽宁工业大学 1

19 南京大学 1

19 南京工业大学 1

19 南京信息工程大学 1

19 南京医科大学 1

19 南开大学 1

19 清华大学 1

19 厦门大学 1

19 陕西师范大学 1

19 上海电力大学 1

19 上海交通大学 1

19 上海科技大学 1

19 温州医科大学 1

19 武汉大学 1

19	徐州工程学院	1
19	燕山大学	1
19	郑州大学	1
19	中北大学	1
19	中国疾病预防控制中心	1
19	中国科学院半导体研究所	1
19	中国科学院北京纳米能源与系统研究所	1
19	中国科学院城市环境研究所	1
19	中国科学院地理科学与资源研究所	1
19	中国科学院理论物理研究所	1
19	中国科学院上海生命科学研究院	1
19	中国科学院武汉病毒研究所	1
19	中国科学院物理研究所	1
19	中国农业大学	1

19 中国农业科学院作物科学研究所 1

19 中国石油大学 (北京) 1

19 中南大学 1

19 重庆大学 1

19 重庆理工大学 1

青塔人才，全国高校高层次人才引进优质入口



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青塔人才|求职引才倍省心

2018年中国百篇最具影响国际学术论文名录

序号	论文题目	作者	所属机构	来源期刊	被引次数
1	Dissipative fault-tolerant control for nonlinear singular perturbed systems with Markov jumping parameters based on slow state feedback	Wang, Jing; Liang, Kun; Huang, Xia; Wang, Zhen; Shen, Hao	安徽工业大学	APPLIED MATHEMATICS AND COMPUTATION. 2018, 328 (3) : 247-262	59
2	Slow State Variables Feedback Stabilization for Semi-Markov Jump Systems With Singular Perturbations	Shen, Hao; Li, Feng; Xu, Shengyuan; Sreeram, Victor	安徽工业大学	IEEE TRANSACTIONS ON AUTOMATIC CONTROL. 2018, 63 (8) : 2709-2714	85
3	Draft genome sequence of Camellia sinensis var sinensis provides insights into the	Wei, Chaoling; Yang, Hua; Wang, Songbo; Zhao, Jian; Liu, Chun; Gao, Liping; Xia, Enhua; Lu, Ying; Tai, Yuling; She, Guangbiao; Sun, Jun; Cao, Haisheng; Tong, Wei; Gao, Qiqi	安徽农业大学	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF	44

	evolution of the tea genome and tea quality	Li, Yeyun; Deng, Weiwei; Jiang, Xiaolan; Wang, Wenzhao; Chen, Qi, Zhang, Shihua;		2018, 115 (18) : E4151-E4158	
4	Enhanced photovoltage for inverted planar heterojunction perovskite solar cells	Luo, Deying; Yang, Wenqiang; Wan Zhiping; Sadhanala, Aditya; Hu, Qin Su, Rui; Shivanna, Ravichandran; Trindade, Gustavo F.; Watts, John F. Xu, Zhaojian; Liu, Tanghao; Chen, K Ye, Fengjun; Wu, Pan; Zhao, Lichen Wu, Jiang; Tu, Yongguang; Zhang, Yifei	北京大学	SCIENCE. 2018, 360 (6396) : 1442-1446	100
5	Non-fullerene acceptor for organic solar cells	Yan, Cenqi; Barlow, Stephen; Wang Zhaohui; Yan, He; Jen, Alex K. -Y.; Marder, Seth R.; Zhan, Xiaowei	北京大学	NATURE REVIEWS MATERIALS. 2018, 3 (3) 268 447+	
6	Current-induced magnetization switching in atom-thick tungsten engineered perpendicular magnetic tunnel junctions with large tunnel magnetoresistance	Wang, Mengxing; Cai, Wenlong; Cai Kaihua; Zhou, Jiaqi; Wrona, Jerzy; Peng, Shouzhong; Yang, Huaiwen; Wei, Jiaqi; Kang, Wang; Zhang, Youguang; Langer, Juergen; Ocker, Berthold; Fert, Albert; Zhao, Weisheng	北京航空航天大学	NATURE COMMUNICATIONS. 2018, 9 (2) : 491-497	49
7	Over 14% Efficiency in Polymer Solar Cells Enabled by a Chlorinated Polymer Donor	Zhang, Shaoqing; Qin, Yunpeng; Zhi Jie; Hou, Jianhui	北京科技大学	ADVANCED MATERIALS. 2018, 30 (20) : 2256-22	301
8	Adaptive Fuzzy Neural Network Control for a Constrained Robot Using Impedance Learning	He, Wei; Dong, Yiting	北京科技大学	IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS. 2018, 29 (4) : 1174-1186	82
9	A Lithium-Ion Battery-in-the-Loop Approach to Test and Validate Multiscale Dual H Infinity Filters for State-of-Charge and Capacity Estimation	Chen, Cheng; Xiong, Rui; Shen, Weixiang	北京理工大学	IEEE TRANSACTIONS ON POWER ELECTRONICS. 2018, 33 (1) : 332-342	70
10	Offloading in Internet c Vehicles: A Fog-Enabled Real-Time Traffic Management System	Wang, Xiaojie; Ning, Zhaolong; Wang Lei	大连理工大学	IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS. 2018, 14 (10) : 4568-4578	53
	Tumor-derived exosomal miR-1247-3p induces cancer-	Fang, Tian; Lv, Hongwei; Lv, Guishu Li, Ting; Wang, Changzheng; Han, C Yu, Leiyang; Su, Bo; Guo, Lina;	中国人民解放军海军军医大	NATURE	

11	associated fibroblast activation to foster lung metastasis of liver cancer	Tu, Liang; Su, Bo; Guo, Lina; Huang, Shanna; Cao, Dan; Tang, Liang; Tang, Shanhua; Wu, Mengchao; Yang, Wen; Wang, Hongyang	学第三附属医 院; 东方肝胆外 科医院	COMMUNICATIONS. 2018, 9 (1) : 229-237	56
12	Circular RNA cSMARCA5 inhibits growth and metastasis in hepatocellular carcinoma	Yu, Jian; Xu, Qing-guo; Wang, Zherguang; Yang, Yuan; Zhang, Ling; M Jin-zhao; Sun, Shu-han; Yang, Fu; Zhou, Wei-ping	中国人民解放 军海军军医大 学第三附属医 院; 东方肝胆外 科医院	JOURNAL OF HEPATOLOGY. 2018, 68 (6) : 1214-1227	49
13	Near-Infrared-to-Ultraviolet Light-Mediated Photoelectrochemical Aptasensing Platform for Cancer Biomarker Based on Core Shell NaYF4:Yb,Tm@TiO2 Upconversion Microroc	Qiu, Zhenli; Shu, Jian; Tang, Dianping	福州大学	ANALYTICAL CHEMISTRY. 2018, 90 (1 101 1021-1028	
14	Gate-tunable room-temperature ferromagnetism in two-dimensional Fe ₃ GeTe ₂	Deng, Yujun; Yu, Yijun; Song, Yichei; Zhang, Jingzhao; Wang, Nai Zhou; Sun, Zeyuan; Yi, Yangfan; Wu, Yi Zheng; Wu, Shiwei; Zhu, Junyi; Wan Jing; Chen, Xian Hui; Zhang, Yuanbi	复旦大学	NATURE. 2018, 563 (7729) : 94+	37
15	Global aetiology and epidemiology of type 2 diabetes mellitus and its complications	Zheng, Yan; Ley, Sylvia H.; Hu, Fran	复旦大学	NATURE REVIEWS ENDOCRINOLOGY. 2018 92 14 (2) : 88-98	
16	Glucose-regulated phosphorylation of TET by AMPK reveals a pathway linking diabetes to cancer	Wu, Di; Hu, Di; Chen, Hao; Shi, Guoming; Fetahu, Irfete S.; Wu, Feizhen; Rabidou, Kimberlie; Fang, Rui; Tan, Li; Xu, Shuyun; Liu, Hang; Argueta, Christian; Zhang, Lei; Mao, Fei; Yan, Guoquan; Chen, Jiajia; Dor Zhaoru; Lv, Ruitu; Xu, Yufei; Wang, Mei; Ye	复旦大学附属 中山医院	NATURE. 2018, 559 (7715) : 637+	33
17	Gefitinib versus vinorelbine plus cisplatin as adjuvant treatment for stage II-III A (N1- N2) EGFR-mutant NSCLC (ADJUVANT/CTONG1704) : a randomised, open-label, phase 3 study	Zhong, Wen-Zhao; Wang, Qun; Ma Wei-Min; Xu, Song-Tao; Wu, Lin; Shen, Yi; Liu, Yong-Yu; Chen, Chun; Cheng, Ying; Xu, Lin; Wang, Jun; Fei Ke; Li, Xiao-Fei; Li, Jian; Huang, Cheng; Liu, Zhi-Dong; Xu, Shun; Chen, Ke-Neng; Xu, Shi-Dong; Liu, Lun-Xu; Yu, Pin	广东省人民医 院	LANCET ONCOLOGY. 2018, 19 (1) : 139-148	58
18	Secure attribute-based data sharing for resource-limited users in cloud computing	Li, Jin; Zhang, Yinghui; Chen, Xiaofeng; Xiang, Yang	广州大学	COMPUTERS & SECURITY. 2018, 72 (1) : 123 1-12	

19	Identifying Medical Diagnoses and Treatable Diseases by Image-Based Deep Learning	Kermany, Daniel S.; Goldbaum, Michael; Cai, Wenjia; Valentim, Carolina C. S.; Liang, Huiying; Baxte Sally L.; McKeown, Alex; Yang, Ge; Wu, Xiaokang; Yan, Fangbing; Dong Justin; Prasadha, Made K.; Pei, Jacqueline; Ting, Magdalena; Zhu, J Li, Christin	广州医科大学 广州妇女儿童 医疗中心; 广州	CELL. 2018, 172 (5) : 1122+	77
20	A DNA nanorobot functions as a cancer therapeutic in response to a molecular trigger in vivo	Li, Suping; Jiang, Qiao; Liu, Shaoli; Zhang, Yinlong; Tian, Yanhua; Song Chen; Wang, Jing; Zou, Yiguo; Anderson, Gregory J.; Han, Jing-Yar Chang, Yung; Liu, Yan; Zhang, Cher Chen, Liang; Zhou, Guangbiao; Nie, Guangjun; Yan, Hao; Ding, Baoquar Zhao, Yu	国家纳米科学 中心	NATURE BIOTECHNOLOGY. 2018, 78 36 (3) : 258+	
21	Light triggered interfacial damage self-healing of poly (p-phenylene benzobisoxazole) fiber composites	Hu, Zhen; Shao, Qing; Huang, Yude Yu, Long; Zhang, Dayu; Xu, Xirong; Lin, Jing; Liu, Hu; Guo, Zhanhu	哈尔滨工业大 学	NANOTECHNOLOGY. 2018, 29 (18) : 526-529	71
22	What is going on in magnesium alloys?	Wang, X. J.; Xu, D. K.; Wu, R. Z.; Che X. B.; Peng, Q. M.; Jin, L.; Xin, Y. C.; Zhang, Z. Q.; Liu, Y.; Chen, X. H.; Chen, G.; Deng, K. K.; Wang, H. Y.	哈尔滨工业大 学	JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY. 2018, 34 (2) : 245-247	106
23	A deep convolutional neural network with new training methods for bearing fault diagnosis under noisy environment and different working load	Zhang, Wei; Li, Chuanhao; Peng, Gaoliang; Chen, Yuanhang; Zhang, Zhujun	哈尔滨工业大 学	MECHANICAL SYSTEMS AND SIGNAL PROCESSING. 2018, 100 (2) : 439-453	56
24	Nano-TiNb2O7/carbon nanotubes composite anode for enhanced lithium-ion storage	Lin, Chunfu; Hu, Lei; Cheng, Chuanbing; Sun, Kai; Guo, Xingkui; Shao, Qian; Li, Jianbao; Wang, Ning Guo, Zhanhu	海南大学	ELECTROCHIMICA ACTA. 2018, 260 (1) : 65-72	131
25	Supervised Hash Coding With Deep Neural Network for Environment Perception of Intelligent Vehicles	Yan, Chenggang; Xie, Hongtao; Yang Dongbao; Yin, Jian; Zhang, Yongdao Dai, Qionghai	杭州电子科技 大学	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS. 2018, 19 (1) : 284-295	99
26	Reinforced carbon fiber laminates with oriented carbon nanotube epoxy nanocomposites: Magnetic field assisted alignment and cryogenic	He, Yuxin; Yang, Song; Liu, Hu; Shao Qian; Chen, Qiuyu; Lu, Chang; Jiang Yuanli; Liu, Chuntai; Guo, Zhanhu	河南科技大 学	JOURNAL OF COLLOID AND INTERFACE SCIENCE. 2018, 517 (9) : 40-51	105

temperature mechanic
properties

- 27 Highly porous carbon
nitride by
supramolecular
preassembly of
monomers for
photocatalytic removal
of sulfamethazine under
visible light driven
Zhou, Chengyun; Lai, Cui; Huang,
Danlian; Zeng, Guangming; Zhang,
Chen; Cheng, Min; Hu, Liang; Wan, 湖南大学
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- 28 In Situ Grown
AgI/Bi₂O₃/TiO₂
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Visible Light
Degradation of
Sulfamethazine:
Efficiency, Pathway, and
Mechanism
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Zeng, Guangming; Huang, Danlian;
Zhang, Chen; Cheng, Min; Hu, Lian; 湖南大学
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(3) : 4174-4184 88
- 29 Efficient degradation of
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simulated and real
wastewater at slightly
basic pH values using
Co-SAM-SCS /H₂O₂
Fenton-like system
Cheng, Min; Zeng, Guangming; Hu;
Danlian; Lai, Cui; Liu, Yang; Zhang, 湖南大学
Chen; Wan, Jia; Hu, Liang; Zhou,
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- 30 Metal-organic
framework-based
materials: superior
adsorbents for the
capture of toxic and
radioactive metal ions
Li, Jie; Wang, Xiangxue; Zhao, Guixi
Chen, Changlun; Chai, Zhifang;
Alsaedi, Ahmed; Hayat, Tasawar;
Wang, Xiangke 华北电力大学
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- 31 Boron nitride-based
materials for the
removal of pollutants
from aqueous solutions:
A review
Yu, Shujun; Wang, Xiangxue; Pang,
Hongwei; Zhang, Rui; Song,
Wencheng; Fu, Dong; Hayat, Tasawar
Wang, Xiangke 华北电力大学
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2018, 333 (2) : 343-360
- 32 Recent advances in
layered double
hydroxide-based
nanomaterials for the
removal of radionuclide
from aqueous solution
Gu, Pengcheng; Zhang, Sai; Li, Xing
Wang, Xiangxue; Wen, Tao; Jehan, 华北电力大学
Riffat; Alsaedi, Ahmed; Hayat,
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(3) : 493-505 136
- 33 Stability Analysis for
Systems With Time
Delays via New Integral
Inequalities
Li, Zhichen; Huang, Congzhi; Yan, 华东理工大学
Huaicheng
IEEE TRANSACTIONS
ON SYSTEMS MAN
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SYSTEMS. 2018, 48 (12)
2495-2501 71

34	Ordered macro-microporous metal-organic framework single crystals	Shen, Kui; Zhang, Lei; Chen, Xiaodong; Liu, Lingmei; Zhang, Daliang; Han, Yu; Chen, Junying; Long, Jilan; Luque, Rafael; Li, Yingwu; Chen, Banglin	华南理工大学	SCIENCE. 2018, 359 (6372) : 206+	99
35	Perovskite light-emitting diodes with external quantum efficiency exceeding 20 per cent	Lin, Kebin; Xing, Jun; Quan, Li Na; d Arquer, F. Pelayo Garcia; Gong, Xiwen; Lu, Jianxun; Xie, Liqiang; Zha Weijie; Zhang, Di; Yan, Chuazhong; Li, Wenqiang; Liu, Xinyi; Lu, Yan; Kirman, Jeffrey; Sargent, Edward H.; Xiong, Qihua; Wei, Zhanhua	华侨大学	NATURE. 2018, 562 (7726) : 245+	82
36	Efficient and stable emission of warm-white light from lead-free halide double perovskites	Luo, Jiajun; Wang, Xiaoming; Li, Shunran; Liu, Jing; Guo, Yueming; N Guangda; Yao, Li; Fu, Yuhao; Gao, Liang; Dong, Qingshun; Zhao, Chur Leng, Meiyang; Ma, Fusheng; Liang, Wenxi; Wang, Liduo; Jin, Shengye; Han, Junbo; Zhang, Lijun; Etheridge Joanne	华中科技大学	NATURE. 2018, 563 (7732) : 541+	36
37	Label-free photoelectrochemical immunoassay for CEA detection based on Cd ²⁺ -sensitized WO ₃ @BiOI heterostructure nanocomposite	Han, Qingzhi; Wang, Rongyu; Xing, Bin; Zhang, Tong; Khan, Malik Saddam; Wu, Dan; Wei, Qin	济南大学	BIOSENSORS & BIOELECTRONICS. 2018, 77 (2) : 493-499	
38	DUSP1 alleviates cardiac ischemia/reperfusion injury by suppressing the Mff-required mitochondrial fission and Bnip3-related mitophagy via the JNK pathways	Jin, Qinhua; Li, Ruibing; Hu, Nan; Xi Ting; Zhu, Pingjun; Hu, Shunying; M Sai; Zhu, Hong; Ren, Jun; Zhou, Ha	解放军总医院; 解放军第301医院	REDOX BIOLOGY. 2018, 14 (4) : 576-587	81
39	pLoc-mEuk: Predict subcellular localization of multi-label eukaryotic proteins by extracting the key GO information into general PseAAC	Cheng, Xiang; Xiao, Xuan; Chou, Ku Chen	景德镇陶瓷学院	GENOMICS. 2018, 110 (1) : 50-58	83
40	Adaptive control-based Barrier Lyapunov Functions for a class of stochastic nonlinear systems with full state constraints	Liu, Yan-Jun; Lu, Shumin; Tong, Shaocheng; Chen, Xinkai; Chen, C. Philip; Li, Dong-Juan	辽宁工业大学	AUTOMATICA. 2018, 87 (1) : 83-93	66

41	A broadband achromatic metalens in the visible	Wang, Shuming; Wu, Pin Chieh; Su, Vin-Cent; Lai, Yi-Chieh; Chen, Mu-Ku; Kuo, Hsin Yu; Chen, Bo Han; Chen, Yu Han; Huang, Tzu-Ting; Wang, Jung-Hsi; Lin, Ray-Ming; Kuo Chieh-Hsiung; Li, Tao; Wang, Zhenl Zhu, Shining; Tsai, Din Ping	南京大学	NATURE NANOTECHNOLOGY. 2018, 13 (3) : 227-232	92
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