

## 附件 1：2019 年中国百篇最具影响国际学术论文

论文题目： Generalized State Estimation for Markovian Coupled Networks Under Round-Robin Protocol and Redundant Channels

作者： Shen, Hao; Huo, Shicheng; Cao, Jinde; Huang, Tingwen

所属机构： 安徽工业大学

来源期刊： IEEE TRANSACTIONS ON CYBERNETICS. 2019, 49(4): 1292–1301

被引次数： 91

论文题目： Nonfragile Dissipative Synchronization for Markovian Memristive Neural Networks: A Gain-Scheduled Control Scheme

作者： Shen, Hao; Wang, Ting; Cao, Jinde; Lu, Guoping; Song, Yongduan; Huang, Tingwen

所属机构： 安徽工业大学

来源期刊： IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS. 2019, 30(6): 1841–1853

被引次数： 54

论文题目： Epitaxial growth of a 100-square-centimetre single-crystal hexagonal boron nitride monolayer on copper

作者： Wang, Li; Xu, Xiaozhi; Zhang, Leining; Qiao, Ruixi; Wu, Muhong; Wang, Zhichang; Zhang, Shuai; Liang, Jing; Zhang, Zhihong; Zhang, Zhibin; Chen, Wang; Xie, Xuedong; Zong, Junyu; Shan, Yuwei; Guo, Yi; Willinger, Marc; Wu, Hui; Li, Qunyang; Wang, Wenlong; Gao, Peng; Wu, Shiwei

所属机构： 北京大学

来源期刊： NATURE. 2019, 570(7759): 91–+

被引次数： 64

论文题目： In situ quantification of interphasial chemistry in Li-ion battery

作者： Liu, Tongchao; Lin, Lingpiao; Bi, Xuanxuan; Tian, Leilei; Yang, Kai; Liu, Jiajie; Li, Maofan; Chen, Zonghai; Lu, Jun; Amine, Khalil; Xu, Kang; Pan, Feng

所属机构： 北京大学

来源期刊： NATURE NANOTECHNOLOGY. 2019, 14(1): 50–+

被引次数： 59

- 论文题目: HMDD v3.0: a database for experimentally supported human microRNA–disease associations  
作 者: Huang, Zhou; Shi, Jiangcheng; Gao, Yuanxu; Cui, Chunmei; Zhang, Shan; Li, Jianwei; Zhou, Yuan; Cui, Qinghua  
所属机构: 北京大学  
来源期刊: NUCLEIC ACIDS RESEARCH. 2019, 47(D1): D1013–D1017  
被引次数: 63
- 论文题目: A Eu<sup>3+</sup>–Eu<sup>2+</sup> ion redox shuttle imparts operational durability to Pb–I perovskite solar cells  
作 者: Wang, Ligang; Zhou, Huanping; Hu, Junnan; Huang, Bolong; Sun, Mingzi; Dong, Bowei; Zheng, Guanghaojie; Huang, Yuan; Chen, Yihua; Li, Liang; Xu, Ziqi; Li, Nengxu; Liu, Zheng; Chen, Qi; Sun, Ling–Dong; Yan, Chun–Hua  
所属机构: 北京大学  
来源期刊: SCIENCE. 2019, 363(6424): 265–+  
被引次数: 131
- 论文题目: Visible–light–driven photocatalytic degradation of diclofenac by carbon quantum dots modified porous g–C<sub>3</sub>N<sub>4</sub>: Mechanisms, degradation pathway and DFT calculation  
作 者: Liu, Wen; Li, Yunyi; Liu, Fuyang; Jiang, Wei; Zhang, Dandan; Liang, Jialiang  
所属机构: 北京大学  
来源期刊: WATER RESEARCH. 2019, 151: 8–19  
被引次数: 55
- 论文题目: Prevalence of mental disorders in China: a cross–sectional epidemiological study  
作 者: Huang, Yueqin; Wang, Yu; Wang, Hong; Liu, Zhaorui; Yu, Xin; Yan, Jie; Yu, Yaqin; Kou, Changgui; Xu, Xiufeng; Lu, Jin; Wang, Zhizhong; He, Shulan; Xu, Yifeng; He, Yanling; Li, Tao; Guo, Wanjun; Tian, Hongjun; Xu, Guangming; Xu, Xiangdong; Ma, Yanjuan; Wang, Linhong; Wang, Lim  
所属机构: 北京大学第六医院;北京大学精神卫生研究所  
来源期刊: LANCET PSYCHIATRY. 2019, 6(3): 211–224  
被引次数: 84
- 论文题目: HVS RMS localization formula and localization law: Localization diagnosis of a ball bearing outer ring fault

作者: Cui, Lingli; Huang, Jinfeng; Zhang, Feibin; Chu, Fulei

所属机构: 北京工业大学

来源期刊: MECHANICAL SYSTEMS AND SIGNAL PROCESSING. 2019, 120: 608–629

被引次数: 56

论文题目: Fe–N–C electrocatalyst with dense active sites and efficient mass transport for high–performance proton exchange membrane fuel cells

作者: Wan, Xin; Liu, Xiaofang; Li, Yongcheng; Yu, Ronghai; Zheng, Lirong; Yan, Wensheng; Wang, Hui; Xu, Ming; Shui, Jianglan

所属机构: 北京航空航天大学

来源期刊: NATURE CATALYSIS. 2019, 2(3): 259–268

被引次数: 118

论文题目: Nitrogen Fixation by Ru Single–Atom Electrocatalytic Reduction

作者: Tao, Hengcong; Choi, Changhyeok; Ding, Liang–Xin; Jiang, Zheng; Hang, Zishan; Jia, Mingwen; Fan, Qun; Gao, Yunnan; Wang, Haihui; Robertson, Alex W.; Hong, Song; Jung, Yousung; Liu, Shizhen; Sun, Zhenyu

所属机构: 北京化工大学

来源期刊: CHEM. 2019, 5(1): 204–214

被引次数: 143

论文题目: iProX: an integrated proteome resource

作者: Ma, Jie; Chen, Tao; Wu, Songfeng; Yang, Chunyuan; Bai, Mingze; Shu, Kunxian; Li, Kenli; Zhang, Guoqing; Jin, Zhong; He, Fuchu; Hermjakob, Henning; Zhu, Yunping

所属机构: 北京生命科学研究所

来源期刊: NUCLEIC ACIDS RESEARCH. 2019, 47(D1): D1211–D1217

被引次数: 77

论文题目: Mathematical view with observational/experimental consideration on certain (2+1)–dimensional waves in the cosmic/laboratory dusty plasmas

作者: Gao, Xin–Yi

所属机构: 北京邮电大学

来源期刊: APPLIED MATHEMATICS LETTERS. 2019, 91: 165–172

被引次数: 83

论文题目: Generation and control of multiple solitons under the influence of parameters

作者: Liu, Xiaoyan; Triki, Houria; Zhou, Qin; Mirzazadeh, Mohammad; Liu, Wenjun; Biswas, Anjan; Belic, Milivoj

所属机构: 北京邮电大学

来源期刊: NONLINEAR DYNAMICS. 2019, 95(1): 143–150

被引次数: 54

论文题目: New reliable nonuniform sampling control for uncertain chaotic neural networks under Markov switching topologies

作者: Shi, Kaibo; Wang, Jun; Zhong, Shouming; Zhang, Xiaojun; Liu, Yajuan; Cheng, Jun

所属机构: 成都大学

来源期刊: APPLIED MATHEMATICS AND COMPUTATION. 2019, 347: 169–193

被引次数: 65

论文题目: iTerm-PseKNC: a sequence-based tool for predicting bacterial transcriptional terminators

作者: Feng, Chao-Qin; Zhang, Zhao-Yue; Zhu, Xiao-Juan; Lin, Yan; Chen, Wei; Tang, Hua; Lin, Hao

所属机构: 电子科技大学

来源期刊: BIOINFORMATICS. 2019, 35(9): 1469–1477

被引次数: 71

论文题目: Transfer Independently Together: A Generalized Framework for Domain Adaptation

作者: Li, Jingjing; Lu, Ke; Huang, Zi; Zhu, Lei; Shen, Heng Tao

所属机构: 电子科技大学

来源期刊: IEEE TRANSACTIONS ON CYBERNETICS. 2019, 49(6): 2144–2155

被引次数: 80

论文题目: Nanocomposite sponges of sodium alginate/graphene oxide/polyvinyl alcohol as potential wound dressing: In vitro and in vivo evaluation

作者: Ma, Rongxiu; Wang, Yajing; Qi, Houjuan; Shi, Cai; Wei, Guangbiao; Xiao, Lidong; Huang, Zhanhua;

Liu, Shouxin; Yu, Haipeng; Teng, Chunbo; Li, Hu; Murugadoss, Vignesh; Zhang, Jiaoxia; Wang, Yonggui; Guo, Zhanhu

所属机构: 东北林业大学

来源期刊: COMPOSITES PART B-ENGINEERING. 2019, 167: 396-405

被引次数: 75

论文题目: Palindromic Molecular Beacon Based Z-Scheme BiOCl-Au-CdS Photoelectrochemical Biodetection

作者: Zeng, Ruijin; Luo, Zhongbin; Su, Lingshan; Zhang, Lijia; Tang, Dianping; Niessner, Reinhard; Knopp, Dietmar

所属机构: 福州大学

来源期刊: ANALYTICAL CHEMISTRY. 2019, 91(3): 2447-2454

被引次数: 84

论文题目: Ambient Particulate Air Pollution and Daily Mortality in 652 Cities

作者: Liu, Cong; Chen, Renjie; Sera, Francesco; Vicedo-Cabrera, Ana M.; Guo, Yuming; Tong, Shilu; Coelho, Micheline S. Z. S.; Saldiva, Paulo H. N.; Lavigne, Eric; Matus, Patricia; Ortega, Nicolas Valdes; Garcia, Samuel Osorio; Pascal, Mathilde; Stafoggia, Massimo; Scortichi

所属机构: 复旦大学

来源期刊: NEW ENGLAND JOURNAL OF MEDICINE. 2019, 381(8): 705-715

被引次数: 64

论文题目: Heterostructures Composed of N-Doped Carbon Nanotubes Encapsulating Cobalt and beta-Mo2C Nanoparticles as Bifunctional Electrodes for Water Splitting

作者: Ouyang, Ting; Ye, Ya-Qian; Wu, Chun-Yan; Xiao, Kang; Liu, Zhao-Qing

所属机构: 广州大学

来源期刊: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. 2019, 58(15): 4923-4928

被引次数: 150

论文题目: The practical implementation of artificial intelligence technologies in medicine

作者: He, Jianxing; Baxter, Sally L.; Xu, Jie; Xu, Jiming; Zhou, Xingtao; Zhang, Kang

所属机构: 广州医科大学第一附属医院

来源期刊: NATURE MEDICINE. 2019, 25(1): 30-36

被引次数: 72

论文题目: Evaluation and accurate diagnoses of pediatric diseases using artificial intelligence

作者: Liang, Huiying; Tsui, Brian Y.; Ni, Hao; Valentim, Carolina C. S.; Baxter, Sally L.; Liu, Guangjian; Cai, Wenjia; Kermany, Daniel S.; Sun, Xin; Chen, Jiancong; He, Liya; Zhu, Jie; Tian, Pin; Shao, Hua; Zheng, Lianghong; Hou, Rui; Hewett, Sierra; Li, Gen; Liang, Ping; Zang,

所属机构: 广州医科大学广州妇女儿童医疗中心;广州市妇幼保健院

来源期刊: NATURE MEDICINE. 2019, 25(3): 433--+

被引次数: 56

论文题目: Proteomics identifies new therapeutic targets of early-stage hepatocellular carcinoma

作者: Jiang, Ying; Sun, Aihua; Zhao, Yang; Ying, Wantao; Sun, Huichuan; Yang, Xinrong; Xing, Baocai; Sun, Wei; Ren, Liangliang; Hu, Bo; Li, Chaoying; Zhang, Li; Qin, Guangrong; Zhang, Menghuan; Chen, Ning; Zhang, Manli; Huang, Yin; Zhou, Jinan; Zhao, Yan; Liu, Mingwei; Zhu, Xiaod

所属机构: 国家蛋白质科学中心(北京)

来源期刊: NATURE. 2019, 567(7747): 257--+

被引次数: 72

论文题目: Cosine-transform-based chaotic system for image encryption

作者: Hua, Zhongyun; Zhou, Yicong; Huang, Hejiao

所属机构: 哈尔滨工业大学

来源期刊: INFORMATION SCIENCES. 2019, 480: 403-419

被引次数: 64

论文题目: LncRNA2Target v2.0: a comprehensive database for target genes of lncRNAs in human and mouse

作者: Cheng, Liang; Wang, Pingping; Tian, Rui; Wang, Song; Guo, Qinghua; Luo, Meng; Zhou, Wenyang; Liu, Guiyou; Jiang, Huijie; Jiang, Qinghua

所属机构: 哈尔滨医科大学

来源期刊: NUCLEIC ACIDS RESEARCH. 2019, 47(D1): D140-D144

被引次数: 76

论文题目: 9.2%-efficient core-shell structured antimony selenide nanorod array solar cells

作者: Li, Zhiqiang; Liang, Xiaoyang; Li, Gang; Liu, Haixu; Zhang, Huiyu; Guo, Jianxin; Chen, Jingwei; Shen, Kai; San, Xingyuan; Yu, Wei; Schropp, Ruud E. I.; Mai, Yaohua

所属机构: 河北大学

来源期刊: NATURE COMMUNICATIONS. 2019, 10(1)

被引次数: 77

论文题目: Molecular basis for the inhibition of the methyl-lysine binding function of 53BP1 by TIRR (vol 9, 2689, 2018)

作者: Wang, Jiaxu; Yuan, Zenglin; Cui, Yaqi; Xie, Rong; Yang, Guang; Kassab, Muzaffer A.; Wang, Mengxi; Ma, Yinliang; Wu, Chen; Yu, Xiaochun; Liu, Xiuhua

所属机构: 河北大学

来源期刊: NATURE COMMUNICATIONS. 2019, 10(1): 170-+

被引次数: 74

论文题目: Visible quantum dot light-emitting diodes with simultaneous high brightness and efficiency

作者: Shen, Huaibin; Gao, Qiang; Zhang, Yanbin; Lin, Yue; Lin, Qingli; Li, Zhaohan; Chen, Ling; Zeng, Zaiping; Li, Xiaoguang; Jia, Yu; Wang, Shujie; Du, Zuliang; Li, Lin Song; Zhang, Zhenyu

所属机构: 河南大学

来源期刊: NATURE PHOTONICS. 2019, 13(3): 192-+

被引次数: 97

论文题目: Molecule Self-Assembly Synthesis of Porous Few-Layer Carbon Nitride for Highly Efficient Photoredox Catalysis

作者: Xiao, Yuting; Tian, Guohui; Li, Wei; Xie, Ying; Jiang, Baojiang; Tian, Chungui; Zhao, Dongyuan; Fu, Honggang

所属机构: 黑龙江大学

来源期刊: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. 2019, 141(6): 2508-2515

被引次数: 83

论文题目: Covering based multigranulation (I, T)-fuzzy rough set models and applications in multi-attribute group decision-making

作者: Zhan, Jianming; Sun, Bingzhen; Alcantud, Jose Carlos R.

所属机构: 湖北民族学院

来源期刊: INFORMATION SCIENCES. 2019, 476: 290–318

被引次数: 83

论文题目: Mechanisms of peroxymonosulfate pretreatment enhancing production of short-chain fatty acids from waste activated sludge

作者: Yang, Jingnan; Liu, Xuran; Wang, Dongbo; Xu, Qiuxiang; Yang, Qi; Zerig, Guangming; Li, Xiaoming; Liu, Yiwen; Gong, Jilai; Ye, Jun; Li, Hailong

所属机构: 湖南大学

来源期刊: WATER RESEARCH. 2019, 148: 239–249

被引次数: 60

论文题目: A generic green solvent concept boosting the power conversion efficiency of all-polymer solar cells to 11%

作者: Li, Zhenye; Ying, Lei; Zhu, Peng; Zhong, Wenkai; Li, Ning; Liu, Feng; Huang, Fei; Cao, Yong

所属机构: 华南理工大学

来源期刊: ENERGY & ENVIRONMENTAL SCIENCE. 2019, 12(1): 157–163

被引次数: 84

论文题目: Enhancing interfacial contact in all solid state batteries with a cathode-supported solid electrolyte membrane framework

作者: Chen, Xinzhi; He, Wenjun; Ding, Liang-Xin; Wang, Suqing; Wang, Haihui

所属机构: 华南理工大学

来源期刊: ENERGY & ENVIRONMENTAL SCIENCE. 2019, 12(3): 938–944

被引次数: 75

论文题目: Modulation of recombination zone position for quasi-two-dimensional blue perovskite light-emitting diodes with efficiency exceeding 5%

作者: Li, Zhenchao; Chen, Ziming; Yang, Yongchao; Xue, Qifan; Yip, Hin-Lap; Cao, Yong

所属机构: 华南理工大学

来源期刊: NATURE COMMUNICATIONS. 2019, 10(1): 1027

被引次数: 71

- 论文题目: Reference genome sequences of two cultivated allotetraploid cottons, *Gossypium hirsutum* and *Gossypium barbadense*
- 作者: Wang, Maojun; Tu, Lili; Yuan, Daojun; Zhu, De; Shen, Chao; Li, Jianying; Liu, Fuyan; Pei, Liuling; Wang, Pengcheng; Zhao, Guannan; Ye, Zhengxiu; Huang, Hui; Yan, Feilin; Ma, Yizan; Zhang, Lin; Liu, Min; You, Jiaqi; Yang, Yicheng; Liu, Zhenping; Huang, Fan; Li, Baoqi; Qiu, Pi
- 所属机构: 华中农业大学
- 来源期刊: NATURE GENETICS. 2019, 51(2): 224--+
- 被引次数: 75
- 
- 论文题目: Preparation of an intelligent pH film based on biodegradable polymers and roselle anthocyanins for monitoring pork freshness
- 作者: Zhang, Junjun; Zou, Xiaobo; Zhai, Xiaodong; Huang, XiaoWei; Jiang, Caiping; Holmes, Mel
- 所属机构: 江苏大学
- 来源期刊: FOOD CHEMISTRY. 2019, 272: 306–312
- 被引次数: 54
- 
- 论文题目: Pure PEDOT:PSS hydrogels
- 作者: Lu, Baoyang; Yuk, Hyunwoo; Lin, Shaoting; Jian, Nannan; Qu, Kai; Xu, Jingkun; Zhao, Xuanhe
- 所属机构: 江西科技师范大学
- 来源期刊: NATURE COMMUNICATIONS. 2019, 10(1)
- 被引次数: 57
- 
- 论文题目: Neural Networks–Based Adaptive Finite–Time Fault–Tolerant Control for a Class of Strict–Feedback Switched Nonlinear Systems
- 作者: Liu, Lei; Liu, Yan–Jun; Tong, Shaocheng
- 所属机构: 辽宁工业大学
- 来源期刊: IEEE TRANSACTIONS ON CYBERNETICS. 2019, 49(7): 2536–2545
- 被引次数: 93
- 
- 论文题目: {Zn–6} Cluster Based Metal–Organic Framework with Enhanced Room–Temperature Phosphorescence and Optoelectronic Performances

作者: Zhao, Ying; Yang, Xiao-Gang; Lu, Xiao-Min; Yang, Chun-Di; Fan, Ning-Na; Yang, Zhao-Tong; Wang, Li-Ya; Ma, Lu-Fang

所属机构: 洛阳师范学院

来源期刊: INORGANIC CHEMISTRY. 2019, 58(9): 6215-6221

被引次数: 100

论文题目: A molecular perovskite solid solution with piezoelectricity stronger than lead zirconate titanate

作者: Liao, Wei-Qiang; Zhao, Dewei; Tang, Yuan-Yuan; Zhang, Yi; Li, Peng-Fei; Shi, Ping-Ping; Chen, Xiao-Gang; You, Yu-Meng; Xiong, Ren-Gen

所属机构: 南昌大学

来源期刊: SCIENCE. 2019, 363(6432): 1206-+

被引次数: 89

论文题目: A monothiophene unit incorporating both fluoro and ester substitution enabling high-performance donor polymers for non-fullerene solar cells with 16.4% efficiency

作者: Sun, Huiliang; Liu, Tao; Yu, Jianwei; Lau, Tsz-Ki; Zhang, Guangye; Zhang, Yujie; Su, Mengyao; Tang, Yumin; Ma, Ruijie; Liu, Bin; Liang, Jiaen; Feng, Kui; Lu, Xinhui; Guo, Xugang; Gao, Feng; Yan, He

所属机构: 南方科技大学

来源期刊: ENERGY & ENVIRONMENTAL SCIENCE. 2019, 12(11): 3328-3337

被引次数: 79

论文题目: Comprehensive search for topological materials using symmetry indicators

作者: Tang, Feng; Po, Hoi Chun; Vishwanath, Ashvin; Wan, Xiangang

所属机构: 南京大学

来源期刊: NATURE. 2019, 566(7745): 486-+

被引次数: 108

论文题目: Topological Axion States in the Magnetic Insulator  $\text{MnBi}_2\text{Te}_4$  with the Quantized Magnetoelectric Effect

作者: Zhang, Dongqin; Shi, Minji; Zhu, Tongshuai; Xing, Dingyu; Zhang, Haijun; Wang, Jing

所属机构: 南京大学

来源期刊: PHYSICAL REVIEW LETTERS. 2019, 122(20)

被引次数: 70

论文题目: Singlet oxygen-dominated non-radical oxidation process for efficient degradation of bisphenol A under high salinity condition

作者: Luo, Rui; Li, Miaoqing; Wang, Chaohai; Zhang, Ming; Khan, Muhammad Abdul Nasir; Sun, Xiuyun; Shen, Jinyou; Han, Weiqing; Wang, Lianjun; Li, Jiansheng

所属机构: 南京理工大学

来源期刊: WATER RESEARCH. 2019, 148: 416-424

被引次数: 64

论文题目: An edge computing-enabled computation offloading method with privacy preservation for internet of connected vehicles

作者: Xu, Xiaolong; Xue, Yuan; Qi, Lianyong; Yuan, Yuan; Zhang, Xuyun; Umer, Tariq; Wan, Shaohua

所属机构: 南京信息工程大学

来源期刊: FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE. 2019, 96: 89-100

被引次数: 60

论文题目: Reinforcing carbon fiber epoxy composites with triazine derivatives functionalized graphene oxide modified sizing agent

作者: Ma, Lichun; Zhu, Yingying; Feng, Peifeng; Song, Guojun; Huang, Yudong; Liu, Hu; Zhang, Jiaoxia; Fan, Jincheng; Hou, Hua; Guo, Zhanhu

所属机构: 青岛大学

来源期刊: COMPOSITES PART B-ENGINEERING. 2019, 176: 107078

被引次数: 61

论文题目: Managing nitrogen to restore water quality in China

作者: Yu, ChaoQing; Huang, Xiao; Chen, Han; Godfray, H. Charles J.; Wright, Jonathon S.; Hall, Jim W.; Gong, Peng; Ni, ShaoQiang; Qiao, ShengChao; Huang, GuoRui; Xiao, YuChen; Zhang, Jie; Feng, Zhao; Ju, XiaoTang; Ciais, Philippe; Stenseth, Nils Chr.; Hessen, Dag O.; Sun, Zhan

所属机构: 清华大学

来源期刊: NATURE. 2019, 567(7749): 516-520

被引次数: 66

论文题目: Time-aware distributed service recommendation with privacy-preservation

作者: Qi, Lianying; Wang, Ruili; Hu, Chunhua; Li, Shancang; He, Qiang; Xu, Xiaolong

所属机构: 曲阜师范大学

来源期刊: INFORMATION SCIENCES. 2019, 480: 354-364

被引次数: 74

论文题目: Stability and bifurcation of a delayed generalized fractional-order prey-predator model with interspecific competition

作者: Wang, Zhen; Xie, Yingkang; Lu, Junwei; Li, Yuxia

所属机构: 山东科技大学

来源期刊: APPLIED MATHEMATICS AND COMPUTATION. 2019, 347: 360-369

被引次数: 63

论文题目: Synthesis and Characterization of ZnNiIn Layered Double Hydroxides Derived Mixed Metal Oxides with Highly Efficient Photoelectrocatalytic Activities

作者: Pan, Duo; Ge, Shengsong; Zhao, Junkai; Tian, Jiangyang; Shao, Qian; Guo, Lin; Mai, Xianmin; Wu, Tingting; Murugadoss, Vignesh; Liu, Hu; Ding, Tao; Angaiah, Subramania; Guo, Zhanhu

所属机构: 山东科技大学

来源期刊: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. 2019, 58(2): 836-848

被引次数: 64

论文题目: Trifluoroacetate induced small-grained CsPbBr<sub>3</sub> perovskite films result in efficient and stable light-emitting devices

作者: Wang, Haoran; Zhang, Xiaoyu; Wu, Qianqian; Cao, Fan; Yang, Dongwen; Shang, Yuequn; Ning, Zhijun; Zhang, Wei; Zheng, Weitao; Yan, Yanfa; Kershaw, Stephen V.; Zhang, Lijun; Rogach, Andrey L.; Yang, Xuyong

所属机构: 上海大学

来源期刊: NATURE COMMUNICATIONS. 2019, 10(1)

被引次数: 61

- 论文题目: Thermodynamically stabilized beta-CsPbI<sub>3</sub>-based perovskite solar cells with efficiencies > 18%
- 作者: Wang, Yong; Dar, M. Ibrahim; Ono, Luis K.; Zhang, Taiyang; Kan, Miao; Li, Yawen; Zhang, Lijun; Wang, Xingtao; Yang, Yingguo; Gao, Xingyu; Qi, Yabing; Gratzel, Michael; Zhao, Yixin
- 所属机构: 上海交通大学
- 来源期刊: SCIENCE. 2019, 365(6453): 591-+
- 被引次数: 134
- 
- 论文题目: Adsorption/desorption kinetics and breakthrough of gaseous toluene for modified microporous-mesoporous UiO-66 metal organic framework
- 作者: Zhang, Xiaodong; Yang, Yang; Lv, Xutian; Wang, Yuxin; Liu, Ning; Chen, Dan; Cui, Lifeng
- 所属机构: 上海理工大学
- 来源期刊: JOURNAL OF HAZARDOUS MATERIALS. 2019, 366: 140-150
- 被引次数: 74
- 
- 论文题目: Enhanced adsorption performance of gaseous toluene on defective UiO-66 metal organic framework: Equilibrium and kinetic studies
- 作者: Zhang, Xiaodong; Yang, Yang; Song, Liang; Chen, Jinfeng; Yang, Yiqiong; Wang, Yuxin
- 所属机构: 上海理工大学
- 来源期刊: JOURNAL OF HAZARDOUS MATERIALS. 2019, 365: 597-605
- 被引次数: 72
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- 论文题目: MitoZ: a toolkit for animal mitochondrial genome assembly, annotation and visualization
- 作者: Meng, Guanliang; Li, Yiyuan; Yang, Chentao; Liu, Shanlin
- 所属机构: 深圳华大基因科技有限公司
- 来源期刊: NUCLEIC ACIDS RESEARCH. 2019, 47(11)
- 被引次数: 63
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- 论文题目: Single-Junction Polymer Solar Cells with 16.35% Efficiency Enabled by a Platinum(II) Complexation Strategy
- 作者: Xu, Xiaopeng; Feng, Kui; Bi, Zhaozhao; Ma, Wei; Zhang, Guangjun; Peng, Qiang
- 所属机构: 四川大学
- 来源期刊: ADVANCED MATERIALS. 2019, 31(29)

被引次数: 216

论文题目: PPy-encapsulated SnS<sub>2</sub> Nanosheets Stabilized by Defects on a TiO<sub>2</sub> Support as a Durable Anode Material for Lithium-Ion Batteries

作者: Wu, Ling; Zheng, Jie; Wang, Liang; Xiong, Xunhui; Shao, Yanyan; Wang, Gang; Wang, Jeng-Han; Zhong, Shengkui; Wu, Minghong

所属机构: 苏州大学

来源期刊: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. 2019, 58(3): 811-815

被引次数: 117

论文题目: Over 56.55% Faradaic efficiency of ambient ammonia synthesis enabled by positively shifting the reaction potential

作者: Wang, Mengfan; Liu, Sisi; Qian, Tao; Liul, Jie; Zhou, Jinqiu; Ji, Haoqing; Xiong, Jie; Zhong, Jun; Yan, Chenglin

所属机构: 苏州大学

来源期刊: NATURE COMMUNICATIONS. 2019, 10

被引次数: 71

论文题目: Wireless Power Transfer-An Overview

作者: Zhang, Zhen; Pang, Hongliang; Georgiadis, Apostolos; Cecati, Carlo

所属机构: 天津大学

来源期刊: IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS. 2019, 66(2): 1044-1058

被引次数: 68

论文题目: Atomically Dispersed Molybdenum Catalysts for Efficient Ambient Nitrogen Fixation

作者: Han, Lili; Liu, Xijun; Chen, Jinping; Lin, Ruoqian; Liu, Haoxuan; Lue, Fang; Bak, Seongmin; Liang, Zhixiu; Zhao, Shunzheng; Stavitski, Eli; Luo, Jun; Adzic, Radoslav R.; Xin, Huolin L.

所属机构: 天津理工大学

来源期刊: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. 2019, 58(8): 2321-2325

被引次数: 115

论文题目: Bridging the academic and industrial metrics for next-generation practical batteries

作者: Cao, Yuliang; Li, Matthew; Lu, Jun; Liu, Jun; Amine, Khalil

所属机构: 武汉大学

来源期刊: NATURE NANOTECHNOLOGY. 2019, 14(3): 200–207

被引次数: 64

论文题目: Scalable synthesis of ant-nest-like bulk porous silicon for high-performance lithium-ion battery anodes

作者: An, Weili; Gao, Biao; Mei, Shixiong; Xiang, Ben; Fu, Jijiang; Wang, Lei; Zhang, Qiaobao; Chu, Paul K.; Huo, Kaifu

所属机构: 武汉科技大学

来源期刊: NATURE COMMUNICATIONS. 2019, 10(1): 1447

被引次数: 77

论文题目: In Situ Irradiated X-Ray Photoelectron Spectroscopy Investigation on a Direct Z-Scheme TiO<sub>2</sub>/CdS Composite Film Photocatalyst

作者: Low, Jingxiang; Dai, Benzhe; Tong, Tong; Jiang, Chuanjia; Yu, Jiaguo

所属机构: 武汉理工大学

来源期刊: ADVANCED MATERIALS. 2019, 31(6): 1802981

被引次数: 158

论文题目: A universal synthesis strategy for P-rich noble metal diphosphide-based electrocatalysts for the hydrogen evolution reaction

作者: Pu, Zonghua; Zhao, Jiahuan; Amiin, Ibrahim Saana; Li, Wenqiang; Wang, Min; He, Daping; Mu, Shichun

所属机构: 武汉理工大学

来源期刊: ENERGY & ENVIRONMENTAL SCIENCE. 2019, 12(3): 952–957

被引次数: 97

论文题目: Deep learning and its applications to machine health monitoring

作者: Zhao, Rui; Yan, Ruqiang; Chen, Zhenghua; Mao, Kezhi; Wang, Peng; Gao, Robert X.

所属机构: 西安交通大学

来源期刊: MECHANICAL SYSTEMS AND SIGNAL PROCESSING. 2019, 115: 213–237

被引次数: 227

论文题目: An intelligent fault diagnosis approach based on transfer learning from laboratory bearings to locomotive bearings

作者: Yang, Bin; Lei, Yaguo; Jia, Feng; Xing, Saibo

所属机构: 西安交通大学

来源期刊: MECHANICAL SYSTEMS AND SIGNAL PROCESSING. 2019, 122: 692–706

被引次数: 52

论文题目: Adhesive Hemostatic Conducting Injectable Composite Hydrogels with Sustained Drug Release and Photothermal Antibacterial Activity to Promote Full-Thickness Skin Regeneration During Wound Healing

作者: Liang, Yongping; Zhao, Xin; Hu, Tianli; Chen, Baojun; Yin, Zhanhai; Ma, Peter X.; Guo, Baolin

所属机构: 西安交通大学

来源期刊: SMALL. 2019, 15(12)

被引次数: 93

论文题目: Zero-sum polymatrix games with link uncertainty: A Dempster-Shafer theory solution

作者: Deng, Xinyang; Jiang, Wen; Wang, Zhen

所属机构: 西北工业大学

来源期刊: APPLIED MATHEMATICS AND COMPUTATION. 2019, 340: 101–112

被引次数: 69

论文题目: Enhanced thermal conductivities and decreased thermal resistances of functionalized boron nitride/polyimide composites

作者: Guo, Yongqiang; Lyu, Zhaoyuan; Yang, Xutong; Lu, Yuanjin; Ruan, Kunpeng; Wu, Yalan; Kong, Jie; Gu, Junwei

所属机构: 西北工业大学

来源期刊: COMPOSITES PART B-ENGINEERING. 2019, 164: 732–739

被引次数: 96

论文题目: Fabrication on the annealed Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene/Epoxy nanocomposites for electromagnetic interference

shielding application

作者: Wang, Lei; Chen, Lixin; Song, Ping; Liang, Chaobo; Lu, Yuanjin; Qiu, Hua; Zhang, Yali; Kong, Jie; Gu, Junwei

所属机构: 西北工业大学

来源期刊: COMPOSITES PART B-ENGINEERING. 2019, 171: 111-118

被引次数: 72

论文题目: Learning Rotation-Invariant and Fisher Discriminative Convolutional Neural Networks for Object Detection

作者: Cheng, Gong; Han, Junwei; Zhou, Peicheng; Xu, Dong

所属机构: 西北工业大学

来源期刊: IEEE TRANSACTIONS ON IMAGE PROCESSING. 2019, 28(1): 265-278

被引次数: 79

论文题目: High-efficiency removal of Pb(II) and humate by a CeO<sub>2</sub>-MoS<sub>2</sub> hybrid magnetic biochar

作者: Li, Ronghua; Deng, Hongxia; Zhang, Xiaofeng; Wang, Jim J.; Awasthi, Mukesh Kumar; Wang, Quan; Xiao, Ran; Zhou, Baoyue; Du, Juan; Zhang, Zengqiang

所属机构: 西北农林科技大学

来源期刊: BIORESOURCE TECHNOLOGY. 2019, 273: 335-340

被引次数: 57

论文题目: Promoting sustainability of manufacturing industry through the lean energy-saving and emission-reduction strategy

作者: Cai, Wei; Lai, Kee-hung; Liu, Conghu; Wei, Fangfang; Ma, Minda; Jia, Shun; Jiang, Zhigang; Lv, Li

所属机构: 西南大学

来源期刊: SCIENCE OF THE TOTAL ENVIRONMENT. 2019, 665: 23-32

被引次数: 66

论文题目: Simultaneously Dual Modification of Ni-Rich Layered Oxide Cathode for High-Energy Lithium-Ion Batteries

作者: Yang, Huiping; Wu, Hong-Hui; Ge, Mingyuan; Li, Lingjun; Yuan, Yifei; Yao, Qi; Chen, Jie; Xia, Lingfeng; Zheng, Jiangming; Chen, Zhaoyong; Duan, Junfei; Kisslinger, Kim; Zeng, Xiao Cheng; Lee,

Wah-Keat; Zhang, Qiaobao; Lu, Jun

所属机构: 长沙理工大学

来源期刊: ADVANCED FUNCTIONAL MATERIALS. 2019, 29(13): 1808825

被引次数: 125

论文题目: Improved flame resistance and thermo-mechanical properties of epoxy resin nanocomposites from functionalized graphene oxide via self-assembly in water

作者: Fang, Fang; Ran, Shiya; Fang, Zhengping; Song, Pingan; Wang, Hao

所属机构: 浙江大学

来源期刊: COMPOSITES PART B-ENGINEERING. 2019, 165: 406-416

被引次数: 77

论文题目: Efficient alkaline hydrogen evolution on atomically dispersed Ni-Nx Species anchored porous carbon with embedded Ni nanoparticles by accelerating water dissociation kinetics

作者: Lei, Chaojun; Wang, Yu; Hou, Yang; Liu, Pan; Yang, Jian; Zhang, Tao; Zhuang, Xiaodong; Chen, Mingwei; Yang, Bin; Lei, Lecheng; Yuan, Chris; Qiu, Ming; Feng, Xinliang

所属机构: 浙江大学

来源期刊: ENERGY & ENVIRONMENTAL SCIENCE. 2019, 12(1): 149-156

被引次数: 104

论文题目: PTC-bearing mRNA elicits a genetic compensation response via Upf3a and COMPASS components

作者: Ma, Zhipeng; Zhu, Peipei; Shi, Hui; Guo, Liwei; Zhang, Qinghe; Chen, Yanan; Chen, Shuming; Zhang, Zhe; Peng, Jinrong; Chen, Jun

所属机构: 浙江大学

来源期刊: NATURE. 2019, 568(7751): 259-+

被引次数: 68

论文题目: Impacts of polystyrene microplastic on the gut barrier, microbiota and metabolism of mice

作者: Jin, Yuanxiang; Lu, Liang; Tu, Wenqing; Luo, Ting; Fu, Zhengwei

所属机构: 浙江工业大学

来源期刊: SCIENCE OF THE TOTAL ENVIRONMENT. 2019, 649: 308-317

被引次数: 59

论文题目: A unified thermodynamic mechanism underlying fouling behaviors of soluble microbial products (SMPs) in a membrane bioreactor

作者: Teng, Jiaheng; Zhang, Meijia; Leung, Kam-Tin; Chen, Jianrong; Hong, Huachang; Lin, Hongjun; Liao, Bao-Qiang

所属机构: 浙江师范大学

来源期刊: WATER RESEARCH. 2019, 149: 477-487

被引次数: 80

论文题目: High-performance piezoelectric wind energy harvester with Y-shaped attachments

作者: Wang, Junlei; Zhou, Shengxi; Zhang, Zhien; Yurchenko, Daniil

所属机构: 郑州大学

来源期刊: ENERGY CONVERSION AND MANAGEMENT. 2019, 181: 645-652

被引次数: 88

论文题目: Three-in-One Oxygen Vacancies: Whole Visible-Spectrum Absorption, Efficient Charge Separation, and Surface Site Activation for Robust CO<sub>2</sub> Photoreduction

作者: Yu, Hongjian; Li, Jieyuan; Zhang, Yihe; Yang, Songqiu; Han, Keli; Dong, Fan; Ma, Tianyi; Huang, Hongwei

所属机构: 中国地质大学北京

来源期刊: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. 2019, 58(12): 3880-3884

被引次数: 115

论文题目: Improving Metaheuristic Algorithms With Information Feedback Models

作者: Wang, Gai-Ge; Tan, Ying

所属机构: 中国海洋大学

来源期刊: IEEE TRANSACTIONS ON CYBERNETICS. 2019, 49(2): 542-555

被引次数: 84

论文题目: Mortality, morbidity, and risk factors in China and its provinces, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017

作者: Zhou, Maigeng; Wang, Haidong; Zeng, Xinying; Yin, Peng; Zhu, Jun; Chen, Wanqing; Li, Xiaohong;

Wang, Lijun; Wang, Limin; Liu, Yunning; Liu, Jiangmei; Zhang, Mei; Qi, Jinlei; Yu, Shicheng; Afshin, Ashkan; Gakidou, Emmanuela; Glenn, Scott; Krish, Varsha Sarah; Miller-Petrie

所属机构: 中国疾病预防控制中心

来源期刊: LANCET. 2019, 394(10204): 1145–1158

被引次数: 108

论文题目: Construction of multifunctional boron nitride nanosheet towards reducing toxic volatiles (CO and HCN) generation and fire hazard of thermoplastic polyurethane

作者: Wang, Junling; Zhang, Dichang; Zhang, Yan; Cai, Wei; Yao, Congxue; Hu, Yuan; Hu, Weizhao

所属机构: 中国科学技术大学

来源期刊: JOURNAL OF HAZARDOUS MATERIALS. 2019, 362: 482–494

被引次数: 59

论文题目: Photocatalytic decarboxylative alkylations mediated by triphenylphosphine and sodium iodide

作者: Fu, Ming-Chen; Shang, Rui; Zhao, Bin; Wang, Bing; Fu, Yao

所属机构: 中国科学技术大学

来源期刊: SCIENCE. 2019, 363(6434): 1429–+

被引次数: 85

论文题目: Surface passivation of perovskite film for efficient solar cells

作者: Jiang, Qi; Zhao, Yang; Zhang, Xingwang; Yang, Xiaolei; Chen, Yong; Chu, Zema; Ye, Qiufeng; Li, Xingxing; Yin, Zhigang; You, Jingbi

所属机构: 中国科学院半导体研究所

来源期刊: NATURE PHOTONICS. 2019, 13(7): 460–+

被引次数: 572

论文题目: How fast are the oceans warming?

作者: Cheng, Lijing; Abraham, John; Hausfather, Zeke; Trenberth, Kevin E.

所属机构: 中国科学院大气物理研究所

来源期刊: SCIENCE. 2019, 363(6423): 128–129

被引次数: 65

- 论文题目: Achieving Over 15% Efficiency in Organic Photovoltaic Cells via Copolymer Design  
作 者: Cui, Yong; Yao, Huifeng; Hong, Ling; Zhang, Tao; Xu, Ye; Xian, Kaihu; Gao, Bowei; Qin, Jinzhao; Zhang, Jianqi; Wei, Zhixiang; Hou, Jianhui  
所属机构: 中国科学院化学研究所  
来源期刊: ADVANCED MATERIALS. 2019, 31(14): 1808356  
被引次数: 151
- 论文题目: Over 16% efficiency organic photovoltaic cells enabled by a chlorinated acceptor with increased open-circuit voltages  
作 者: Cui, Yong; Yao, Huifeng; Zhang, Jianqi; Zhang, Tao; Wang, Yuming; Hong, Ling; Xian, Kaihu; Xu, Bowei; Zhang, Shaoqing; Peng, Jing; Wei, Zhixiang; Gao, Feng; Hou, Jianhui  
所属机构: 中国科学院化学研究所  
来源期刊: NATURE COMMUNICATIONS. 2019, 10(1): 2515  
被引次数: 337
- 论文题目: Structure and Degradation of Circular RNAs Regulate PKR Activation in Innate Immunity  
作 者: Liu, Chu-Xiao; Li, Xiang; Nan, Fang; Jiang, Shan; Gao, Xiang; Guo, Si-Kun; Xue, Wei; Cui, Yange; Dong, Kaige; Ding, Huihua; Qu, Bo; Zhou, Zhaocai; Shen, Nan; Yang, Li; Chen, Ling-Ling  
所属机构: 中国科学院上海巴斯德研究所  
来源期刊: CELL. 2019, 177(4): 865-+  
被引次数: 57
- 论文题目: Cytosine base editor generates substantial off-target single-nucleotide variants in mouse embryos  
作 者: Zuo, Erwei; Sun, Yidi; Wei, Wu; Yuan, Tanglong; Ying, Wenqin; Sun, Hao; Yuan, Liyun; Steinmetz, Lars M.; Li, Yixue; Yang, Hui  
所属机构: 中国科学院上海生命科学研究院  
来源期刊: SCIENCE. 2019, 364(6437): 289-+  
被引次数: 133
- 论文题目: Catalogue of topological electronic materials  
作 者: Zhang, Tiantian; Jiang, Yi; Song, Zhida; Huang, He; He, Yuqing; Fang, Zhong; Weng, Hongming; Fang, Chen

所属机构: 中国科学院物理研究所

来源期刊: NATURE. 2019, 566(7745): 475-+

被引次数: 124

论文题目: Cytosine, but not adenine, base editors induce genome-wide off-target mutations in rice

作者: Jin, Shuai; Zong, Yuan; Gao, Qiang; Zhu, Zixu; Wang, Yanpeng; Qin, Peng; Liang, Chengzhi; Wang, Daowen; Qiu, Jin-Long; Zhang, Feng; Gao, Caixia

所属机构: 中国科学院遗传与发育生物学研究所

来源期刊: SCIENCE. 2019, 364(6437): 292-+

被引次数: 109

论文题目: VFDB 2019: a comparative pathogenomic platform with an interactive web interface

作者: Liu, Bo; Zheng, Dandan; Jin, Qi; Chen, Lihong; Yang, Jian

所属机构: 中国医学科学院病原生物学研究所

来源期刊: NUCLEIC ACIDS RESEARCH. 2019, 47(D1): D687-D692

被引次数: 87

论文题目: Multi-dimensional data indexing and range query processing via Voronoi diagram for internet of things

作者: Wan, Shaohua; Zhao, Yu; Wang, Tian; Gu, Zonghua; Abbasi, Qammer H.; Choo, Kim-Kwang Raymond

所属机构: 中南财经政法大学

来源期刊: FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE. 2019, 91: 382-391

被引次数: 70

论文题目: Suppressing Manganese Dissolution in Potassium Manganate with Rich Oxygen Defects Engaged High-Energy-Density and Durable Aqueous Zinc-Ion Battery

作者: Fang, Guozhao; Zhu, Chuyu; Chen, Minghui; Zhou, Jiang; Tang, Boya; Cao, Xinxin; Zheng, Xusheng; Pan, Anqiang; Liang, Shuquan

所属机构: 中南大学

来源期刊: ADVANCED FUNCTIONAL MATERIALS. 2019, 29(15): 1808375

被引次数: 90

论文题目: Defect-rich and ultrathin N doped carbon nanosheets as advanced trifunctional metal-free electrocatalysts for the ORR, OER and HER

作者: Jiang, Hao; Gu, Jinxing; Zheng, Xusheng; Liu, Min; Qiu, Xiaoqing; Wang, Liangbing; Li, Wenzhang; Chen, Zhongfang; Ji, Xiaobo; Li, Jie

所属机构: 中南大学

来源期刊: ENERGY & ENVIRONMENTAL SCIENCE. 2019, 12(1): 322-333

被引次数: 165

论文题目: Single-Junction Organic Solar Cell with over 15% Efficiency Using Fused-Ring Acceptor with Electron-Deficient Core

作者: Yuan, Jun; Zhang, Yunqiang; Zhou, Liuyang; Zhang, Guichuan; Yip, Hin-Lap; Lau, Tsz-Ki; Lu, Xinhui; Zhu, Can; Peng, Hongjian; Johnson, Paul A.; Leclerc, Mario; Cao, Yong; Ulanski, Jacek; Li, Yongfang; Zou, Yingping

所属机构: 中南大学

来源期刊: JOULE. 2019, 3(4): 1140-1151

被引次数: 852

论文题目: Incompatible and sterile insect techniques combined eliminate mosquitoes

作者: Zheng, Xiaoying; Zhang, Dongjing; Li, Yongjun; Yang, Cui; Wu, Yu; Liang, Xiao; Liang, Yongkang; Pan, Xiaoling; Hu, Linchao; Sun, Qiang; Wang, Xiaohua; Wei, Yingyang; Zhu, Jian; Qian, Wei; Yan, Ziqiang; Parker, Andrew G.; Gilles, Jeremie R. L.; Bourtzis, Kostas; Bouyer, Je

所属机构: 中山大学

来源期刊: NATURE. 2019, 572(7767): 56-+

被引次数: 84