

## 2020 年新疆大学化学学院发表学术论文汇总

| 序号 | 作者列表（标注通讯作者）  | 论文题目   | 期刊名称                               | 年卷期页码                 | 论文分区 | 收录类别 | 影响因子   |
|----|---|--|------------------------------------|-----------------------|------|------|--------|
| 1  | Jindou Hu, Jing Xie, Wei Jia, Su Zhang, Shiqiang Wang, Kun Wang, Yali Cao*  | Interesting molecule adsorption strategy induced energy band tuning: boosts 43 times photocatalytic water splitting ability for commercial TiO <sub>2</sub>                        | Applied Catalysis B-Environmental  | 2020, 268: 118753     | 一区   | SCI  | 16.683 |
| 2  | Yue Zhang, Zihe Zhang, Yakun Tang, Dianzeng Jia*, Yudai Huang, Yong Guo, Zhen Zhou*   | Carbon block anodes with columnar nanopores constructed from amine-functionalized carbon nanosheets for sodium-ion batteries   | Journal of Materials Chemistry A   | 2020, 8: 24393-24400  | 一区   | SCI  | 11.301 |
| 3  | Xin Chen, Hui. Chai*, Yali Cao, Wanyong Zhou, Yuanyuan Li, Yaxiu Yang   | Hierarchical CoGa layered double hydroxides grown on nickel foam as high energy density hybrid supercapacitor  | Chemical Engineering Journal       | 2020, 381: 122620     | 一区   | SCI  | 10.652 |
| 4  | Jing Xie, Yali Cao*, Jindou Hu, Yakun Tang, Dianzeng Jia*   | A solvent-free strategy to realize the substitution of I <sup>-</sup> for IO <sub>3</sub> <sup>-</sup> in a BiOIO <sub>3</sub> photocatalyst with an opposite charge transfer path | Green Chemistry                    | 2020, 22: 1424-1431   | 一区   | SCI  | 9.48   |
| 5  | Jing Zhao <sup>1</sup> , Jiayao Zhu <sup>1</sup> , Yutong Li <sup>1</sup> , Luxiang Wang, Yue Dong, Zimu Jiang, Chengwei Fan, Yali Cao, Rui Sheng, Anjie Liu, Su Zhang*, Huaihe Song, Dianzeng Jia*, Zhuangjun Fan* | Graphene quantum dot reinforced electrospun carbon nanofiber fabrics with high surface area for ultrahigh rate supercapacitors   | ACS Applied Materials & Interfaces | 2020, 12: 11669-11678 | 一区   | SCI  | 8.758  |
| 6  | Xinyi Gong, Su Zhang, Wanxia Luo, Nannan Guo, Luxiang Wang*, Dianzeng Jia, Zongbin Zhao, Shizhan Feng, Lixia Jia  | Enabling a large accessible surface area of a pore-designed hydrophilic carbon nanofiber fabric for ultrahigh capacitive deionization  | ACS Applied Materials Interfaces   | 2020, 12: 49586-49595 | 一区   | SCI  | 8.758  |
| 7  | Liu Yang, Dongling Wu*, Tao   | B/N co-doped carbon nanosheets derived from  | ACS Applied                        | 2020, 12:             | 一区   | SCI  | 8.758  |

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|----|---|--|-------------------------|------------------------|----|-----|-------|
|    | Wang, Dianzeng Jia*   | the self-assembly of chitosan-amino acids gels for greatly improved supercapacitor performances  | Materials Interfaces    | 18692-18704            |    |     |       |
| 8  | Kun Wang, Zhenjiang Lu, Yizhao Li, Shiqiang Wang, Yali Cao*   | Interfacial engineering of bimetallic carbide and cobalten capsulated nitrogen-doped carbon nanotubes for boosted electrocatalytic activity towards oxygen reduction | ChemSusChem             | 2020, 13: 5539-5548    | 一区 | SCI | 7.962 |
| 9  | Wei Jia,* Juanli Zhang, Zhenjiang Lu, Shiqiang Wang, Shizhan Feng   | Pt decorated POMOF-derived constructions for efficient electrocatalytic hydrogen evolution   | Nanoscale               | 2020, 12(6): 3902-3906 | 一区 | SCI | 6.895 |
| 10 | Mengran Lou, Ruiying Wang*, Lili Yang, Dianzeng Jia*, Zhipeng Sun, Luxiang Wang, Yong Guo, Xingchao Wang, Jie Zhang, Hongli Shi | Ionic liquid polyoxometalate-enhanced Pd/N,P-codoped coal-based carbon fiber catalysts for formic acid electrooxidation  | Applied Surface Science | 2020, 516: 146137      | 一区 | SCI | 6.182 |
| 11 | Jie Zhang, Ruiying Wang*, Xiaoqin Hu, Zhipeng Sun*, Xingchao Wang, Yong Guo, Lili Yang, Mengran Lou, Pengtao Wen                | MOF-derived Co embedded into N-doped nanotube decorated mesoporous carbon as a robust support of Pt catalyst for methanol electrooxidation                           | Applied Surface Science | 2020, 533: 147319      | 一区 | SCI | 6.182 |
| 12 | Shiqiang Wang, Jing Xie, Jindou Hu, Haiyu Qin, Yali Cao*  | Fe-doped $\alpha$ -MoO <sub>3</sub> nanoarrays: facile solid-state synthesis and excellent xylene-sensing performance  | Applied Surface Science | 2020, 512: 145722      | 一区 | SCI | 6.182 |
| 13 | Shengchao Hou, Xueyan Wu, Yan Lv, Wei Jia, Jixi Guo*, Luxiang Wang, Fenglian Tong, Dianzeng Jia**                               | Ultralight, highly elastic and bioinspired capillary-driven graphene aerogels for highly efficient organic pollutants absorption                                     | Applied surface Science | 2020, 509: 144818      | 一区 | SCI | 6.182 |
| 14 | Jing Li <sup>1</sup> , Yue Dong <sup>1</sup> , Jiayao Zhu, Luxiang Wang, Wenhui Tian,   | B, N co-doped carbon nanosheets derived from graphene quantum dots: improving the  | Applied Surface Science | 2020, 529: 147239      | 一区 | SCI | 6.182 |

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|    | Jing Zhao, He Lin, Su Zhang*, Yali Cao*, Huaihe Song, Dianzeng Jia                                  | pseudocapacitive performance by efficient trapping nitrogen  |                                 |                          |    |     |       |
| 15 | Lili Ai, Dianzeng Jia, Nannan Guo, Mengjiao Xu, Su Zhang, Luxiang Wang*, Lixia Jia                  | Cl-doped Bi <sub>2</sub> S <sub>3</sub> homojunction nanorods with rich-defects for collaboratively boosting photocatalytic reduction performance  | Applied Surface Science         | 2020, 529: 147002        | 一区 | SCI | 6.182 |
| 16 | Xiaojuan Dong, Ruige Wang, Weiwei Jin*, Chenjiang Liu*  | Electrochemical oxidative dehydrogenative phosphorylation of N-heterocycles with P(O)-H compounds in imidazolium-based ionic liquid  | Organic Letters                 | 2020, 22: 3062-3066      | 一区 | SCI | 6.091 |
| 17 | Ziren Chen, Weiwei Jin, Yu Xia, Yonghong Zhang, Mengwei Xie, Shangchao Ma, Chenjiang Liu*           | Aminothiolation of $\alpha$ -bromocinnamaldehydes to access imidazo[2,1-b]thiazoles by incorporation of two distinct photoinduced processes  | Organic Letters                 | 2020, 22: 8261-8266      | 一区 | SCI | 6.091 |
| 18 | Yakun Tang <sup>1</sup> , Yang Gao <sup>1</sup> , Lang Liu*, Yue Zhang, Jing Xie, Xingyan Zeng      | Li(Na) <sub>2</sub> FeSiO <sub>4</sub> /C hybrid nanotubes: promising anode materials for lithium/sodium ion batteries   | Inorganic Chemistry Frontiers   | 2020, 7: 4438-4444       | 一区 | SCI | 5.958 |
| 19 | Wenhai Liang <sup>1</sup> , Yakun Tang <sup>1</sup> , Lang Liu*, Caixia Zhu, Rui Sheng              | Effective trapping of polysulfides using functionalized thin-walled porous carbon nanotubes as sulfur hosts for lithium-sulfur batteries   | Inorganic Chemistry             | 2020, 59(12): 8481-8486  | 一区 | SCI | 4.825 |
| 20 | Hongbo Zhang, Aize Hao*, Zhipeng Sun, Xueer Ning, Jixi Guo**, Yan Lv, Dianzeng Jia***               | Boosting the performance of half/full lithium-ion batteries by designing smart architecture anode of SnS <sub>2</sub> nanosheet coating on NiCo <sub>2</sub> S <sub>4</sub> hollow spheres | Journal of Alloys and Compounds | 2020, 849: 156505        | 一区 | SCI | 4.65  |
| 21 | Xuanzuo Shen, Yudai Huang*, Zhenjie Liu, Juan Ding, Xingchao Wang, Yue Zhang, Yong Guo, Xincun Tang | Designed formation of nitrogen-doped caramel sheathed bilateral hybrid oxides nanoarrays as ultra-stable anode for high-areal-capacity lithium-ion batteries                               | Journal of Alloys and Compounds | 2020, 834: 155069-155077 | 一区 | SCI | 4.65  |

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|----|--|---|--|---------------------------|----|-----|-------|
| 22 | Qingqing Sun, Yan Lv, Xueyan Wu, Wei Jia, Jixi Guo*, Fenglian Tong, Dianzeng Jia**, Zhipeng Sun, Xingchao Wang                                     | Hydrothermal synthesis of coralloid-like vanadium nitride/carbon nanocomposites for high-performance and long-life supercapacitors  | Journal of Alloys and Compounds          | 2020, 818: 152895         | 一区 | SCI | 4.65  |
| 23 | Jing Xie, Yali Cao*, Dianzeng Jia*   | Enhanced photocatalytic oxidizing ability via adjusting the band-edge position and oxygen defect concentration of bismuth phosphate   | Journal of Alloys and Compounds          | 2020, 832: 154953         | 一区 | SCI | 4.65  |
| 24 | Lili Ai, Dianzeng Jia*, Nannan Guo, Mengjiao Xu, Su Zhang, Luxiang Wang*, Lixia Jia  | Controlled growth of single-crystalline Bi <sub>333</sub> (Bi <sub>6</sub> S <sub>9</sub> )Br nanorods under hydrothermal conditions for enhanced photocatalytic reduction of Cr (VI) | Journal of Alloys and Compounds          | 2020, 842: 155879         | 一区 | SCI | 4.175 |
| 25 | Nannan Guo, Wanxia Luo, Renhe Guo, Daping Qiu, Zongbin Zhao, Luxiang Wang*, Dianzeng Jia*, Jixi Guo  | Interconnected and hierarchical porous carbon derived from soybean root for ultrahigh rate supercapacitors  | Journal of Alloys and Compounds          | 2020, 834: 155115         | 一区 | SCI | 4.175 |
| 26 | Huici Shan, Anjie Liu, Yan Lv, Xueyan Wu**, Yongdong Ma, Xiaoping Jin, Jixi Guo*   | Manipulating the AIE and low-temperature phosphorescence properties of o-arborane-imidazole derivatives via fine tuning their structural features                                     | Dyes and Pigments                        | 2020, 180: 108400         | 一区 | SCI | 4.613 |
| 27 | Yang Gao, Yakun Tang, Wei Liu, Lang Liu*, Xingyan Zeng   | Porous bamboo-like CNTs prepared by a simple and low-cost steam activation for supercapacitors  | International Journal of Energy Research | 2020, 44(13): 10946-10952 | 一区 | SCI | 3.741 |
| 28 | Chengwei Fan <sup>1</sup> , Yue Dong <sup>1</sup> , Yifan Liu, Lihui Zhang, Dengke Wang, Xieji Lin, Yan Lv, Su Zhang*, Huaihe Song*, Dianzeng Jia* | Mesopore-dominated hollow carbon nanoparticles prepared by simple air oxidation of carbon black for high mass loading supercapacitors   | Carbon                                   | 2020, 160: 328-334        | 二区 | SCI | 8.821 |
| 29 | Wenhui Tian <sup>1</sup> , Jiayao Zhu <sup>1</sup> , Yue Dong <sup>1</sup> , Jing Zhao, Jing Li,   | Micelle-induced assembly of graphene quantum dots into conductive porous carbon for   | Carbon                                   | 2020, 161: 89-96          | 二区 | SCI | 8.821 |

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|    | Nannan Guo, He Lin*, Su Zhang*, Dianzeng Jia   | high rate supercapacitor electrodes at high mass loadings   |  |                    |    |     |       |
| 30 | Xiaojuan Zhao, Wei Jia, Xueyan Wu, Yan Lv, Jieshan Qiu, Jixi Guo*, Xingchao Wang, Dianzeng Jia**, Junfeng Yan, Dongling Wu | Ultrafine MoO <sub>3</sub> anchored in coal-based carbon nanofiber as anode for advanced lithium-ion batteries  | Carbon                                   | 2020, 156: 445-452 | 二区 | SCI | 8.821 |
| 31 | Yan Lv, Xueyan Wu, Wei Jia, Jixi Guo*, Hongbo Zhang, Huibiao Liu**, Dianzeng Jia***, Fenglian Tong                         | Graphdiyne-anchored ultrafine NiFe hydroxide nanodots electrocatalyst for water oxidation with high mass activity and superior durability                           | Carbon                                   | 2020, 169: 45-54   | 二区 | SCI | 8.821 |
| 32 | Ruanye Zhang, Ruxangul Jamal, Yi Ge, Wenli Zhang, Zongna Yu, Yinqiang Yan, Yingcheng Liu, Tursun Abdiryim*                 | Functionalized PProDOT@nitrogen-doped carbon hollow spheres composites for electrochemical sensing of tryptophan  | Carbon                                   | 2020, 161: 842-855 | 二区 | SCI | 8.821 |
| 33 | Xiang Chen, Yudai Huang*, Jing Li, Xingchao Wang, Yue Zhang, Yong Guo, Juan Ding, Lei Wang,                                | Bifunctional separator with sandwich structure for high-performance lithium-sulfur batteries  | Journal of Colloid and Interface Science | 2020, 559: 13-20   | 二区 | SCI | 7.489 |
| 34 | Yuanyuan Li, He Sun, Yaxiu Yang, Yali Cao, Hui Chai*   | Controllable fabrication of NiV <sub>2</sub> O <sub>6</sub> nanosphere as a high-performance flexible all-solid-state electrode material for supercapacitors        | Journal of Colloid and Interface Science | 2020, 580: 298-307 | 二区 | SCI | 7.489 |
| 35 | Ming Wu, Jing Xie, Anjie Liu, Wei Jia, Yali Cao*   | Iron carbide/nitrogen-doped carbon core-shell nanostrctures: solution-free synthesis and superior oxygen reduction performance                                      | Journal of Colloid and Interface Science | 2020, 566: 194-201 | 二区 | SCI | 7.489 |
| 36 | Hui Ding, Guancheng Xu*, Li Zhang, Bei Wei, Jincheng Hei, Liang Chen   | A highly effective bifunctional catalyst of cobalt selenide nanoparticles embedded nitrogen-doped bamboo-like carbon nanotubes toward hydrogen and oxygen evolution | Journal of Colloid and Interface Science | 2020, 566: 296-303 | 二区 | SCI | 7.489 |

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|    |   | reactions based on metal-organic framework  |  |                           |    |     |       |
| 37 | Xueer Ning <sup>1</sup> , Aize Hao <sup>1</sup> , Yali Cao*, Jindou Hu, Jing Xie, Dianzeng Jia* | Effective promoting piezocatalytic property of zinc oxide for degradation of organic pollutants and insight into piezocatalytic mechanism                                       | Journal of Colloid and Interface Science | 2020, 577: 290-299        | 二区 | SCI | 7.489 |
| 38 | Juanli Zhang, Wei Jia*, Shuqing Dang, Yali Cao  | Sub-5 nm octahedral platinum-copper nanostructures anchored on nitrogen-doped porous carbon nanofibers for remarkable electrocatalytic hydrogen evolution                       | Journal of Colloid and Interface Science | 2020, 560: 161-168        | 二区 | SCI | 7.489 |
| 39 | Wei Jia*, Juanli Zhang, Fuhe Le, Xingchao Wang, Yan Lv, Yali Cao, Dianzeng Jia*                 | Dual-nitrogen-source strategy for N-doped graphitic layer-wrapped metal carbide toward efficient oxygen reduction reaction  | Journal of Colloid and Interface Science | 2020, 567: 165-170        | 二区 | SCI | 7.489 |
| 40 | Yakun Tang, Wenjie Ma, Yue Zhang, Yang Gao, Xingyan Zeng, Lang Liu*                             | Rational design of FeTiO <sub>3</sub> /C hybrid nanotubes: promising lithium ion anode with enhanced capacity and cycling performance   | Chemical Communications                  | 2020, 56(83): 12640-12643 | 二区 | SCI | 5.996 |
| 41 | Liang Chen, Guan Cheng Xu*, Gui Xu, Li Zhang, Hui Ding  | Co-based coordination polymer-derived Co <sub>3</sub> S <sub>4</sub> nanotube decorated with NiMoO <sub>4</sub> nanosheets for effective oxygen evolution reaction              | International Journal of Hydrogen Energy | 2020, 45: 30463-30472     | 二区 | SCI | 4.939 |
| 42 | Zixi Chen, Yizhao Li*, Baolin Liu, Kun Wang, Yali Cao*  | Solvent-free chemical approach to synthesize Co nanoparticles supported on N-doped porous carbon for efficient electrocatalytic oxygen reduction                                | ChemCatChem                              | 2020, 12: 2580-2588       | 二区 | SCI | 4.853 |
| 43 | Yakun Tang, Lang Liu*, Yue Zhang, Jing Xie, Yang Gao, Xingyan Zeng, Yang Zhang                  | Construction of the NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C electrode with a one-dimensional porous hybrid structure as an advanced anode for sodium-ion batteries | Dalton Transactions                      | 2020, 49(15): 4680-4684   | 二区 | SCI | 4.174 |
| 44 | Yaxiu Yang, Xin Chen, Yali Cao, Wanyong Zhou, He Sun, Hui Chai*                                 | Synthesis of homogeneous hollow Co <sub>3</sub> O <sub>4</sub> microspheres for enhanced cycle life and electrochemical energy storage performance                              | ChemElectroChem                          | 2020, 7: 723-729          | 二区 | SCI | 4.154 |
| 45 | Yiting Hu, Turghun Muhammad*, Beibei Wu, Aixia  | A simple on-line detection system based on fiber-optic sensing for the realtime monitoring  | Journal of Chromatography A              | 2020, 1622: 461112        | 二区 | SCI | 4.049 |

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|----|--|---|--|--------------------------|----|-----|-------|
|    | Wei, Xiaoxia Yang, Lingxin Chen  | of fixed bed adsorption processes of molecularly imprinted polymers   |  |                          |    |     |       |
| 46 | Yan Lv, Lili Ding, Xueyan Wu, Nannan Guo, Jixi Guo*, Shengchao Hou, Fenglian Tong, Dianzeng Jia**, Hongbo Zhang        | Coal-based 3D hierarchical porous carbon aerogels for high performance and super-long life supercapacitors                                  | Scientific Reports                       | 2020, 10:<br>7022        | 二区 | SCI | 3.998 |
| 47 | Amina Hoji, Turghun Muhammad*, Muyasier Wubulikasimu, Mukhtar Imerhasan*, Haidong Li, Zulihumaer Aimaiti, Xiaojun Peng | Syntheses of BODIPY-incorporated polymer nanoparticles with strong fluorescence and water compatibility                                     | European Polymer Journal                 | 2020, 141:<br>110058     | 二区 | SCI | 3.862 |
| 48 | Ayinuer Abodorexit, Congcong Yang, Xieraili Maimaitiyiming*  | High-performance flexible pressure and temperature sensors with complex leather structure   | Macromolecular Materials and Engineering | 2020, 305(7):<br>2000181 | 二区 | SCI | 3.853 |
| 49 | Congcong Yang, Ayinuer Abodorexit, Xieraili Maimaitiyiming*  | Flexible humidity and pressure sensors realized by molding and inkjet printing processes with sandwich structure                            | Macromolecular Materials and Engineering | 2020:<br>2000287         | 二区 | SCI | 3.853 |
| 50 | Zongna Yu, Ruxangul Jamal, Ruanye Zhang, Wenli Zhang, Yinqiang Yan, Yingcheng Liu, Yi Ge, Tursun Abdiryim*             | PEDOT-type conducting polymers/black TiO <sub>2</sub> composites for electrochemical determination of Cd <sup>2+</sup> and Pb <sup>2+</sup> | Journal of the Electrochemical Society   | 2020, 167:<br>067514     | 二区 | SCI | 3.721 |
| 51 | Yanbin Wei, Yudai Huang*, Yue Zhang, Juan Ding, Xingchao Wang, Wenhua Cheng, Ying Sun, Dianzeng Jia*, Xincun Tang      | Research progress of Na <sub>2</sub> MSiO <sub>4</sub> (M = Fe, Mn, Co and Ni) sodium ion cathode materials,                                | Energy Reports                           | 2020, 6:<br>2191-2199    | 二区 | SCI | 3.595 |
| 52 | Wenli Zhang, Ruxangul Jamal**, Ruanye Zhang,   | Self-assembly of pendant functional groups grafted PEDOT as paracetamol detection   | Physical Chemistry Chemical Physics      | 2020, 22:<br>3592-3603   | 二区 | SCI | 3.43  |

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|    | Zongna Yu, Yinqiang Yan, Yingcheng Liu, Yi Ge, Tursun Abdiryim*  | material  |  |                         |    |     |       |
| 53 | Xieraili Maimaitiyiming*, Ayinuer Abodorexit, Naziermu Dongmulati  | Syntheses, characterization and properties of poly (2,5-didodecyloxy-1,4-diethynyl-phenylene-alt-2-N,N-dimethyl amino-4,6-pyrimidine)                             | Materials Chemistry and Physics        | 2020, 240: 122116       | 二区 | SCI | 3.408 |
| 54 | Mengjiao Xu, Yi Ding, Wanxia Luo, Luxiang Wang*, Suxia Li, Yanhong Liu   | Synthesis, luminescence properties and energy transfer behavior of color-tunable KAlP <sub>2</sub> O <sub>7</sub> : Tb <sup>3+</sup> , Eu <sup>3+</sup> phosphors | Optics & Laser Technology              | 2020, 121: 105829       | 二区 | SCI | 3.319 |
| 55 | Hongmei Li, Xiaxia Yue, Ningning Gao, Jun Tang*, Xiaoyi Lv, Junwei Hou   | Microwave method synthesis of magnetic ionic liquid/gold nanoparticles as ltrasensitive SERS substrates for trace clopidol detection                              | Analytical and Bioanalytical Chemistry | 2020, 412: 3063-3071    | 二区 | SCI | 3.307 |
| 56 | Xiaxia Yue, Hongmei Li, Jun Tang*, Jie Liu, Juan Jiao  | Rapid and label-free screening of echinococcosis serum profiles through surface-enhanced Raman spectroscopy   | Analytical and Bioanalytical Chemistry | 2020, 412: 279-288      | 二区 | SCI | 3.307 |
| 57 | Ruanye Zhang, Mihray Abdulla, Ruxangul Jamal, Yi Ge, Wenli Zhang, Zongna Yu, Yinqiang Yan, Yingcheng Liu, Tursun Abdiryim* | The pendent thiol group grafted poly(3,4-proplenedioxythiophene) hollow nanofiber for electrochemical sensing   | Materials Letters                      | 2020, 263: 127206       | 二区 | SCI | 3.204 |
| 58 | Yang Zhang, Yakun Tang, Lang Liu*, Tongyu Yang, Xuzhen Wang, Zongbin Zhao  | C@Fe <sub>3</sub> O <sub>4</sub> nanoparticles anchored on carbon nanotubes with enhanced reversible lithium storage  | CrystEngComm                           | 2020, 22(14): 2429-2433 | 二区 | SCI | 3.117 |
| 59 | Fenglian Tong, Xueyan Wu, Wei Jia, Jixi Guo*, Yanliang Pan, Yan Lv, Dianzeng Jia**, Xiaojuan Zhao                          | NiS nanosheets with novel structure anchored on coal-based carbon fibers prepared by electrospinning for flexible supercapacitors                                 | CrystEngComm                           | 2020, 22: 1625          | 二区 | SCI | 3.117 |
| 60 | Baolin Liu, Yizhao Li*, Shaojun  | Engineering CuO <sub>x</sub> -ZrO <sub>2</sub> -CeO <sub>2</sub> nanocatalysts  | CrystEngComm                           | 2020, 22:               | 二区 | SCI | 3.117 |

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|----|--|--|---|-------------------------|----|-----|-------|
|    | Qing, Kun Wang, Jing Xie, Yali Cao*  | with abundant surface Cu species and oxygen vacancies toward high catalytic performance in CO oxidation and 4-nitrophenol reduction  |   | 4005-4013               |    |     |       |
| 61 | Yuanyuan Li, Xin Chen, Yali Cao, Wanyong Zhou, Hui Chai*                                 | The ultralong cycle life of solid flexible asymmetric supercapacitors based on nickel vanadium sulfide nanospheres   | CrystEngComm                            | 2020, 22: 5226-5236     | 二区 | SCI | 3.117 |
| 62 | Xiaoxia Yang, Turghun Muhammad*, Jingjing Yang, Ayzukram Yasen, Lingxin Chen             | In-situ kinetic and thermodynamic study of 2,4-dichlorophenoxyacetic acid adsorption on molecularly imprinted polymer based solid-phase microextraction coatings                                     | Sensors and Actuators A: Physical       | 2020, 313: 112190       | 二区 | SCI | 2.904 |
| 63 | Qianwei Zhang, Keyume Ablajan*, Bin Wang, Huifang Ma, Zhongqi Guo                        | One-pot synthesis of indolizines using TBHP as the methylene source under metal-free condition   | European Journal of Organic Chemistry   | 2020: 262-266           | 二区 | SCI | 2.889 |
| 64 | Suxia Li, Mengjiao Xu*, Luxiang Wang*, Dianzeng Jia, Nannan Guo, Chenchen Ji, Hanjing Wu | Energy transfer, optical properties and thermal stability of Ce <sup>3+</sup> , Tb <sup>3+</sup> activated apatite-type Ca <sub>8</sub> NaGd(PO <sub>4</sub> ) <sub>6</sub> F <sub>2</sub> phosphors | Optical Materials                       | 2020, 107: 110151       | 二区 | SCI | 2.687 |
| 65 | Bin Wang, Qianwei Zhang, Zhongqi Guo, Keyume Ablajan*                                    | Iodine- and TBHP-promoted acylation of benzothiazoles under metal-free conditions  | Synthesis                               | 2020, 52: 3058-3064     | 二区 | SCI | 2.675 |
| 66 | Beibei Wu, Turghun Muhammad*, Sailemayi Aihebaier, Kal Karim, Yiting Hu, Sergey Piletsky | A molecularly imprinted polymer based monolith pipette tip for solid-phase extraction of 2,4-dichlorophenoxyacetic acid in an aqueous sample   | Analytical Methods                      | 2020, 12(40): 4913-4921 | 二区 | SCI | 2.596 |
| 67 | Min Li, Guan Cheng Xu*, Wen Bo Xin, Yin Qiang Zhang                                      | Switchable dielectric behavior and order-disorder phase transition in a new organic-inorganic hybrid compound:(CH <sub>3</sub> NH <sub>3</sub> ) <sub>4</sub> [InCl <sub>6</sub> ]Cl                 | European Journal of Inorganic Chemistry | 2020, 2020: 626-630     | 二区 | SCI | 2.529 |
| 68 | Xia Wei, Xieraili Maimaitiyiming*  | Selectable and releasable noncovalent functionalization of semiconducting SWCNTs   | Macromolecular Chemistry and            | 2020, 221(13):          | 二区 | SCI | 2.335 |

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|    |   | by biethynyl-2,5-bis(dodecoxy) benzene unit-containing conjugated copolymers   | Physics                       | 2000086                 |    |     |       |
| 69 | Hai-Ming Lan, Ru-Xia Yang, Li-Zhen Yang, Peng-Yin Zhu, Lu-Lu Wang, Yu-Ming Yu*, Duo-Zhi Wang*                                 | Lanthanide complexes based on the linear bifunctional ligand: synthesis, structure regulation and magnetic properties  | Inorganica Chimica Acta       | 2020, 508: 119593       | 二区 | SCI | 2.304 |
| 70 | Ru-Xia Yang, Hai-Ming Lan, Peng-Yin Zhu, Li-Zhen Yang, Yu-Ming Yu, Lu-Lu Wang*, Duo-Zhi Wang*                                 | Synthesis, structures, magnetic and electric properties of four new coordination polymers constructed with heterocyclic nitrogen ligands and multidentate organic acid | Inorganica Chimica Acta       | 2020, 506: 119410       | 二区 | SCI | 2.304 |
| 71 | Yuemaierjiang Maimaiti, Xieraili Maimaitiyiming*  | A highly selective and sensitive fluorescent turn-off probe for Al <sup>3+</sup> based on polypyrimidine   | Fibers and Polymers           | 2020, 21(1): 7-18       | 二区 | SCI | 1.797 |
| 72 | Xiaoxia Yang, Turghun Muhammad*, Mahinur Bakri, Imran Muhammad, Jingjing Yang, Honglin Zhai, Abdujelil Abdurahman, Hailong Wu | Simple and fast spectrophotometric method based on chemometrics for the measurement of multicomponent adsorption kinetics  | Journal of Chemometrics       | 2020, 34(8): 1-13       | 二区 | SCI | 1.633 |
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