**2018年**

[90] 朱将娥, **南俊民**, 培养学科核心素养的教学实践研究——以“原电池工作原理”教学为例, 数理化解题研究, 2018(27):76-78.

[89] Xiaoxi Zuo∗, Jinhua Wu, Xiangdong Ma, Xiao Deng, Jiaxin Cai, Qiuyu Chen, Jiansheng Liu, **Junmin Nan\***, A poly(vinylidene fluoride)/ethyl cellulose and amino-functionalized nano SiO2 composite coated separator for 5 V high-voltage lithium-ion batteries with enhanced performance, Journal of Power Sources, 2018, 407: 44–52.

[88] Xingmei Guo, Yan Song, **Junmin Nan\***, Flow evaluation of the leaching hazardous materials from spent nickel-cadmium batteries discarded in different water surroundings, Environmental Science and Pollution Research, 2018, 25: 5514 -5520.

[87] Xiufang Cao, Jingqi Tao, Xin Xiao, Junmin Nan**\***, Hydrothermal-assisted synthesis of the multi-element-doped TiO2 micro/nanostructures and their photocatalytic reactivity for the degradation of tetracycline hydrochloride under the visible light irradiation, Journal of Photochemistry & Photobiology A: Chemistry, 2018, 364: 202–207

[86] Xingmei Guo, Sihan Tang, Yan Song, Junmin Nan**\***, Adsorptive removal of Ni2+ and Cd2+ from wastewater using a green longan hull adsorbent，Adsorption Science & Technology, 2018, 6(1–2) 762–773.

[85] Tianxiang Yang, Weizhen Fan, Chengyun Wang, Qiufen Lei, Zhen Ma, Le Yu, Xiaoxi Zuo, **Junmin Nan\***, 2,3,4,5,6-Pentafluorophenyl methanesulfonate as a versatile electrolyte additive matches LiNi0.5Co0.2Mn0.3O2/graphite batteries working in a wide-temperature range, ACS Appl. Mater. Interfaces, 2018, 10 (37): 31735–31744

[84] Xiaoxi Zuo\*, Xiangdong Ma, Jinhua Wu, Xiao Deng, Xin Xiao, Jiansheng Liu, **Junmin Nan\***, Self-supporting ethyl cellulose/poly(vinylidene ﬂuoride) blended gel polymer electrolyte for 5 V high-voltage lithium-ion batteries, Electrochimica Acta, 2018, 271: 582-590.

[83] Yaoming Deng, Zhen Ma，Xiaona Song, Zhuodi Cai, Peipei Pang, Zheng Wang, Dong Shu, Xiaoxi Zuo, **Junmin Nan\***, Effects of 2,4-difluorobiphenyl as an electrolyte additive to enhance the overcharge protection of cylindrical LiCoO2/graphite batteries, Int. J. Electrochem. Sci., 2018, 13(6): 5923-5937.

[82] Yaoming Deng, Zhen Ma, Xiaona Song, Zhuodi Cai, Peipei Pang, Zheng Wang, Ronghua Zeng, Dong Shu, **Junmin Nan\***, From the charge conditions and internal short-circuit strategy to analyze and improve the overcharge safety of LiCoO2/graphite batteries, Electrochimica Acta, 2018, 282: 295-303.

[81] Zhen Ma, Yuchan Zhuang, Yaoming Deng, Xiaona Song, Xiaoxi Zuo, Xin Xiao, **Junmin Nan\***, From spent graphite to amorphous sp2 +sp3 carbon-coated sp2 graphite for high-performance lithium ion batteries, J. Power Sources, 2018, 376: 91–99.

[80] Ya Ma, Lishi Wang, Xiaoxi Zuo, **Junmin Nan\***, Co-precipitation spray-drying synthesis and electrochemical performance of stabilized LiNi0.5Mn1.5O4 cathode materials, Journal of Solid State Electrochemistry, 2018, 22:1963 – 1969.

[79] Xiangdong Ma, Xiaoxi Zuo\***,** Jinhua Wu, Xiao Deng, Xin Xiao, Jiansheng Liu, **Junmin Nan\***, Polyethylene-supported ultra-thin poly vinylidene fluoride/hydroxyethyl cellulose blended polymer electrolyte for 5V high voltage lithium ion batteries, J. Mater. Chem. A, 2018, 6(4):1496-1503.

[78] Xin Xiao\*, Chunxia Zheng, Mingli Lu, Ling Zhang, Fei Liu, Xiaoxi Zuo, **Junmin Nan\***, Deficient Bi24O31Br10 as a highly efficient photocatalyst for selective oxidation of benzyl alcohol into benzaldehyde under blue LED irradiation, Applied Catalysis B: Environmental, 2018, 228: 142–151.

[77] Yuanfeng Kong†, Zhen Ma†, Yongjian Ye, Guangping He, Yanhui Sun, Xiaoxi Zuo, Xin Xiao, **Junmin Nan\***. Nanosized amorphous SnO2 particles anchored in the wheat straw carbon Substrate as the stabilized anode material of lithium-ion batteries. ACS Applied Energy Materials, 2018, 1(12):7065-7075.