



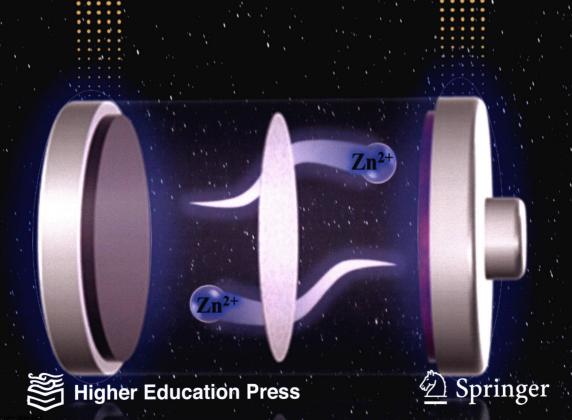


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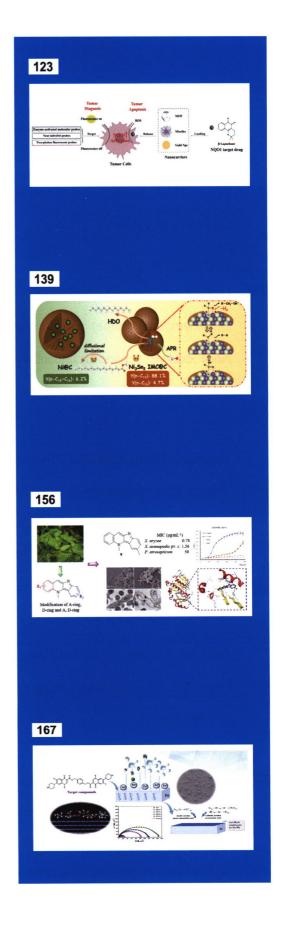
REVIEW

Probes and nano-delivery systems targetingNAD(P)H:quinone oxidoreductase 1: a mini-reviewXuewen Mu, Yun Xu, Zheng Wang, Dunyun Shi

RESEARCH ARTICLE

- palmitate to diesel-like hydrocarbons on carbon encapsulated Ni–Sn intermetallic compounds with methanol as hydrogen donor

 Haonan Shi, Xiaoyu Gu, Yinteng Shi, Dandan Wang, Sihao Shu, Zhongze Wang, Jixiang Chen
- 156 Discovery of cryptolepine derivatives as novel promising agents against phytopathogenic bacteria Ying-Hui He, Qing-Ru Chu, Shao-Yong Zhang, Li-Rong Guo, Yue Ma, Bao-Qi Zhang, Zhi-Jun Zhang, Wen-Bin Zhao, Yong-Mei Hu, Chen-Jie Yang, Sha-Sha Du, Tian-Lin Wu, Ying-Qian Liu
- 167 New branched benign compounds including double antibiotic scaffolds: synthesis, simulation and adsorption for anticorrosion effect on mild steel Yueting Shi, Lingli Chen, Shengtao Zhang, Hongru Li, Fang Gao

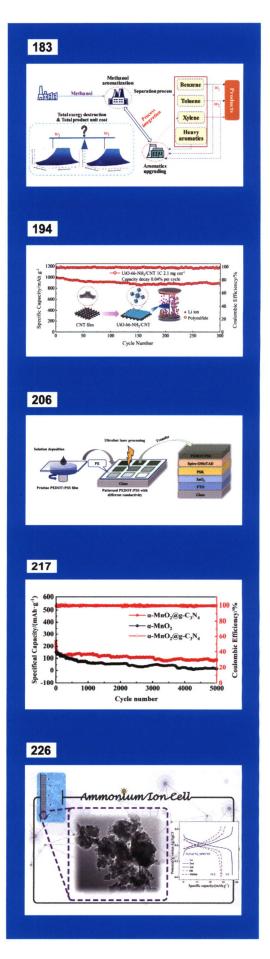


- 183 Exergy and exergoeconomic analyses for integration of aromatics separation with aromatics upgrading

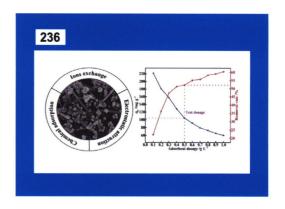
 Dan Zhang, Minbo Yang, Xiao Feng
- Continuous amino-functionalized University of Oslo
 66 membranes as efficacious polysulfide barriers for
 lithium-sulfur batteries
 Bowen Du, Yuhong Luo, Feichao Wu, Guihua Liu,
 Jingde Li, Wei Xue
- 206 Ultrafast-laser-treated poly(3,4ethylenedioxythiophene): poly(styrenesulfonate) electrodes with enhanced conductivity and transparency for semitransparent perovskite solar cells

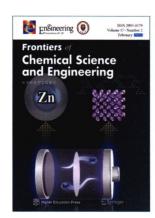
Yongshun Wang, Yuxi Dou, Zhengzhe Wu, Yingxin Tian, Yiming Xiong, Juan Zhao, De Fang, Fuzhi Huang, Yi-Bing Cheng, Jie Zhong

- 217 g-C₃N₄-coated MnO₂ hollow nanorod cathode for stable aqueous Zn-ion batteries
 Jiwei Xie, Guijing Liu, Kaikai Wang, Xueming Li, Yusen Bai, Shanmin Gao, Leqing Fan,
 Rundou Zheng
- Enabling nickel ferrocyanide nanoparticles for high-performance ammonium ion storage
 Haoxiang Yu, Leiyu Fan, Chenchen Deng,
 Huihui Yan, Lei Yan, Jie Shu, Zhen-Bo Wang



Fluoride ions adsorption from water by CaCO₃
 enhanced Mn—Fe mixed metal oxides
 Xinyuan Wang, Heriberto Pfeiffer, Jiangjiang Wei,
 Jinyu Wang, Jinli Zhang





COVER

The picture is set against the bright starry sky, symbolizing the broad application prospect of new energy batteries. The main body is the aqueous zinc-ion battery which is being rapidly charged and discharged, which conveys the advantages of aqueous zinc-ion battery such as low cost and high safety. The upper left part of the cover shows the bright moon in the sky, which reflects the potential application prospects of the aqueous zinc-ion battery. The upper right part of the cover shows the crystal structure of α-MnO₂@g-C₃N₄ nanocomposite, with α-MnO₂ and g-C₃N₄ emitting light like stars in the night sky. This study provides certain guidance and reference value for the application of g-C₃N₄ material in energy storage and the preparation of carbon-nitrogen based green carrier materials. (Jiwei Xie, Guijing Liu, Kaikai Wang, Xueming Li, Yusen Bai, Shanmin Gao, Leqing Fan, Rundou Zheng, pp. 217–225)

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