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Xiang, Yinyu

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List of publications

1. **Yinyu Xiang**, Liqiang Lu, Feng Yan, Debarun Sengupta, Petra Rudolf, Ajay Giri Prakash Kottapalli, Yutao Pei. Tuning the crystallinity of titanium nitride on copper-embedded carbon nanofibers interlayers for facilitated electrochemical kinetics in lithium-sulfur batteries. *Carbon Energy*, 2023, 5: e450.
2. **Yinyu Xiang**, Liqiang Lu, Wenjian Li, Feng Yan, Hui Wang, Zeli Zhao, Junsheng Li, Ajay Giri Prakash Kottapalli, Yutao Pei. Nitrogen-doped porous carbon nanofibers embedded with Cu/Cu₃P heterostructures as multifunctional current collectors for stabilizing lithium anodes in lithium-sulfur batteries. *Chemical Engineering Journal*, 2023, 472: 145089.
3. **Yinyu Xiang**, Liqiang Lu, Ajay Giri Prakash Kottapalli, Yutao Pei. Status and perspectives of hierarchical porous carbon materials in terms of lithium-sulfur batteries. *Carbon Energy*, 2022, 4: 346-398.
4. Wenjian Li, **Yinyu Xiang**, Wei Zhang, Katja Loos, Yutao Pei. Ordered mesoporous SiO₂ as charge storage site for enhanced triboelectric nanogenerator. *Nano Energy*, 2023, 113: 108539.
5. Wenjian Li, Feng Yan, **Yinyu Xiang**, Wei Zhang, Katja Loos, Yutao Pei.. Enhanced triboelectric nanogenerators based on 2D smectite clay nanosheets with a strong intrinsic negative surface charge. *Nano Energy*, 2023, 112: 108487.
6. **Yinyu Xiang**, Liqiang Lu, Yongsheng Zhang, Gabor Ersek, Giuseppe Portale, Wenjian Li, Wei Zhang, Ajay Giri Prakash Kottapalli, Yutao Pei. Insights into the aspect ratio effects of ordered mesoporous carbon on the electrochemical performance of sulfur cathode in lithium-sulfur battery. *Journal of Energy Chemistry*, under review.
7. **Yinyu Xiang**, Feng Yan, Zelin Zhao, Wenjian Li, Wei Zhang, Liqiang Lu, Ajay Giri Prakash Kottapalli, Yutao Pei. Synergistic Restriction of Polysulfides Enabled by Cobalt@Carbon Spheres Embedded CNTs: A Facile Approach for Constructing Sulfur Cathodes with High Sulfur Content. (To be submitted).

