

CURRICULUM VITAE

Dali Yan

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Education and training

- Sep-2017 - Jun-2021 Dezhou University, Electronic and Information Engineering
Shandong, China Bachelor
 - Sep-2021 - Jun-2024 Wuhan Textile University, Materials Science and Engineering
Wuhan, China Master
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Publications and articles

- [Nano Energy] **Flexible arc-shaped triboelectric nanogenerator for all directions and highly efficient biomechanical energy harvesting and human motion monitoring**
Dali Yan, Dan Tao, Duo Xu, Yirong Sun, Bo Deng, Genyang Cao, Jian Fang, Weilin Xu
Nano Energy, **IF: 16.8**, 2024
- [Adv. Fiber Mater] **Research progress of fabrics with different geometric structures for triboelectric nanogenerators in flexible and wearable electronics**
Dali Yan, Jian Ye, Yahui Zhou, Xingxin Lei, Bo Deng, Weilin Xu
Advanced Fiber Materials, **IF: 17.2**, 2023
- [Catal. Sci. Technol] **The quantitative contribution of interfacial coexisting Mn and O vacancies to MnO₂ photocatalytic degradation of phenol**
Yahui Zhou, Xingxin Lei, Dali Yan, Jian Ye, Bo Deng, Weilin Xu
Catalysis Science & Technology, **IF: 4.4**, 2023
- [Chem. Eng. J] **Catalytic activity of laundering durable fiber-based manganese dioxide catalyst targeting indoor formaldehyde**
Zijian, Duan, Yahui Zhou, Huiyu Yang, Dali Yan, Dengpeng Song, Hao Liu, Bo Deng, Shuai Peng, Weilin Xu
Chemical Engineering Journal, **IF: 13.3**, 2023
- [Catal. Surv. Asia] **Recent advances in the regulation of oxygen vacancies in MnO₂ nanocatalysts**
Yahui Zhou, Xingxin Lei, Jingyi Zhou, Dali Yan, Bo Deng, YD Liu, Weilin Xu
Catalysis Surveys from Asia, **IF: 2.1**, 2023

Graduation thesis

- Master's thesis: Simulation study of DC-DC power converter based on digitally controlled Buck circuit
Key words: CNC buck circuit; Simulation; Digital PID voltage compensator; DC-DC converter
Language: Chinese
- Bachelor's thesis: Preparation and performance research of three-dimensional textile triboelectric nanogenerator with all-round energy collection
Key words: Drum-type; Projection ratio; Angle dependency; All-round; Wearable smart textiles
Language: Chinese

Other academic activities

- Aug-2022 Silver Prize of “Challenge Cup” National Science and Technology College of extra-curricular academic competition works (Hubei, China)
- Jun-2019 Second Prize of the 13th ICAN International Innovation and Entrepreneurship Competition (Shandong, China)
- Mar-2019 First Prize of the 10th Blue Bridge Cup Individual Competition (Shandong, China)
- Oct-2018 First Prize of the 7th Robot Fire Fighting Competition (China, Shandong)
- Sep-2018 First Prize of National Student Electronic Design Competition (China, Shandong)
- Aug-2018 Third Prize of East China Region of “Saibert Cup” National College Students Intelligent Interconnection Competition

Personal skills and competences

- Lab and equipment: SEM, FTIR, Instron, XPS, and TGA et al.
- Computation and software: Python, AD, Origin, Multisim, C4D, Auto CAD, Endnote, and Image et al.