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SOOCHOW UNIVERSITY



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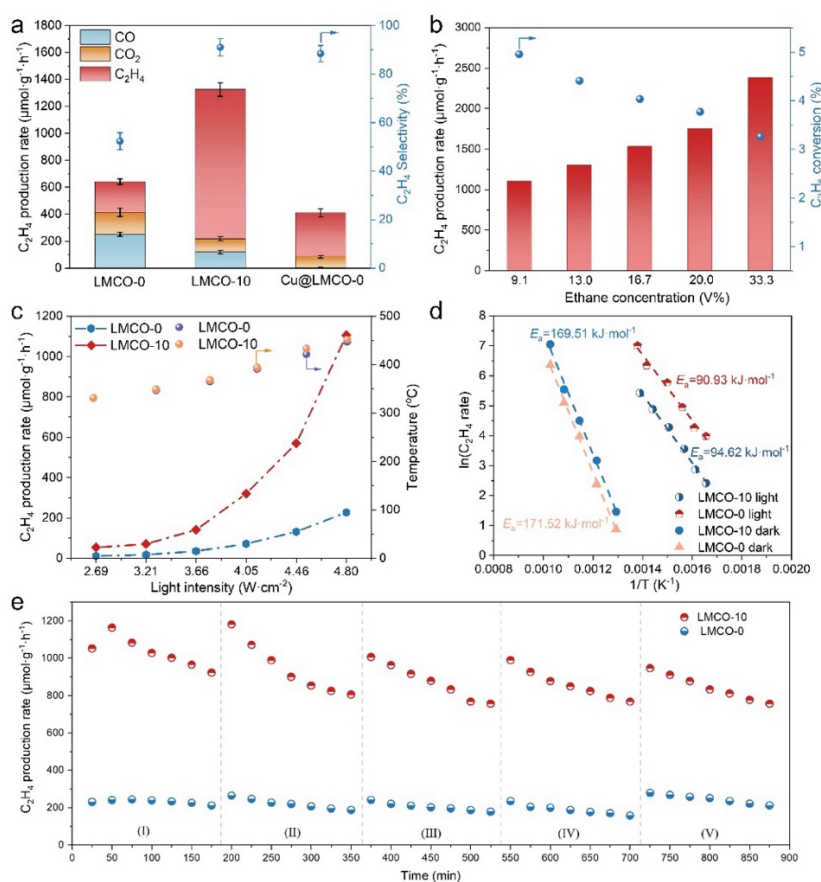
SUDA Global

Newsletter

Issue 2, September 2024

Prof. Xiaohong Zhang and Prof. Le He published a new method of solar powered ethylene production on Nature Energy

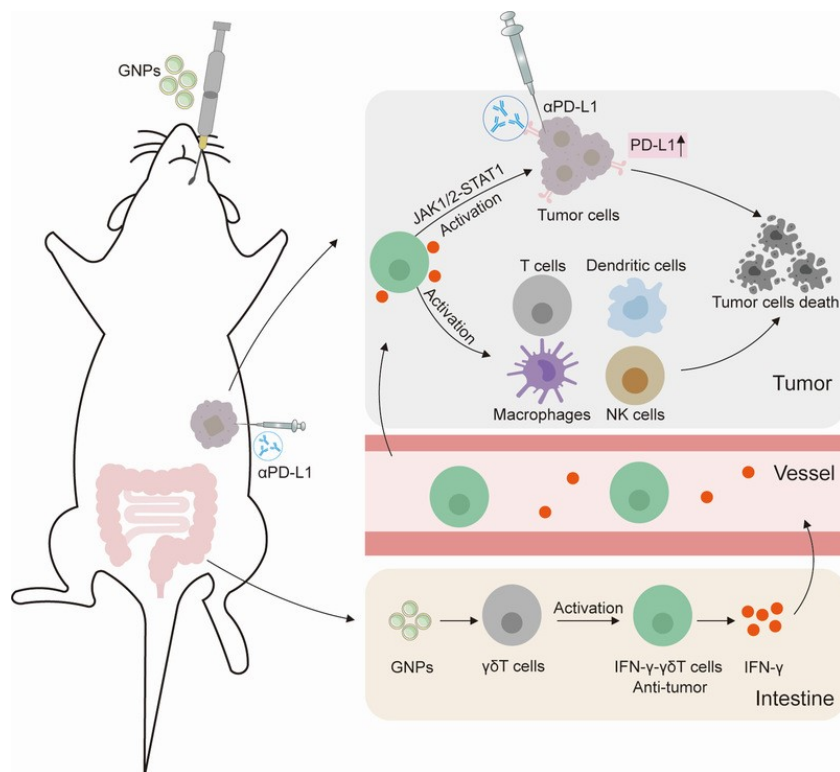
This research used a perovskite oxide $\text{LaMn}_{1-x}\text{Cu}_x\text{O}_3$ catalyst that significantly optimized the activity, selectivity and yield for ethane dehydrogenation. The highest light-driven ethylene production rate and ethane conversion achieved without any other heat source were around $1.1 \text{ mmol g}^{-1} \text{ h}^{-1}$ and 4.9%, respectively. In addition, techno-economic analysis revealed the economic potential of an industrial-scale solar ethylene production from ethane.



The original paper is available on the [Nature Website](https://www.nature.com/articles/s41560-022-01000-0).

Prof. Chao Wang and Prof. Zhuang Liu published new findings of garlic-derived nanoparticles improving cancer immunotherapy on Nature Nanotechnology

This research found that garlic-derived GNPs with nanostructure (~100 nm) could significantly promote the proliferation and activation of intestinal endogenous $\gamma\delta$ T cells after oral administration, thereby enhancing the efficacy of tumor immune checkpoint blockade therapy in treating solid tumors. This study delineated mechanistic insights into the complex gut - tumour interactome and provided an alternative approach for $\gamma\delta$ T cell-based immunotherapy.



The original paper is available on the [Nature Website](https://www.nature.com/articles/s41565-023-01388-8).



Prof. Bin Li elected as Fellow of the International Union of Societies for Biomaterials Science and Engineering (IUSBSE)

At the 12th World Biomaterial Congress (WBC 2024) in Daegu, South Korea, Prof. Bin Li, Acting Dean of Soochow University Medical College was officially elected as Fellow of the International Union of Societies for Biomaterials Science and Engineering (Fellow, Biomaterials Science and Engineering, FBSE). Prof. Bin Li's primary research focuses on orthopedic biomedical materials, biomechanics, and tissue engineering and regenerative medicine. He has published more than 190 academic papers in renowned journals such as Science and has contributed to 12 books.





Prof. Jinghua Shen elected as Fellow of the European Academy of Sciences and Arts

Prof. Jinghua Shen, distinguished professor of our university was elected as a Fellow of the European Academy of Sciences and Arts-Technical and Environmental Sciences, for his inequivalent breakthrough in the field of green building and building epidemic prevention. As the Director of the Green Building Research Center, Prof. Jinghua Shen has led and participated in more than 300 projects of building design, city planning, structural engineering, low-carbon green building and industrial clusters both domestically and internationally.





Delegation from Chancay City, Peru visited SUDA

Ivonne Huarancca, Mayor's delegate and councilor of Chancay City and Dipas Hector, Mayor of Kimbiri City, leading a delegation of four, recently visited our university and was greeted by Vice-President Jiawei Wu at the Conference Center. The delegation was invited to visit China, with hopes of establishing a sister city relationship with Suzhou. Both sides hope to promote collaboration between SUDA and Peruvian universities, including student exchanges, faculty training, and other activities, thereby advancing scientific and cultural exchange between the two countries.





Delegation of the International Office visited partner institutions in Canada

Delegation of the International Office led by Deputy-Director Lyuhua Zhu visited Lasalle College and University of Victoria in Canada. The delegation met Caroline Comeau, Acting Vice-President of LaSalle College's Montreal campus, as well as Luc Laroche, Deputy-Director of International Office, and Sheryl Karras, Director of Office of Global Engagement of University of Victoria. Both institutions expressed that SUDA has been one of their most important global partners, and affirmed their continuous support for CO-OP, short-term research and international summer school programmes.





Great achievements for students attending international exchange programmes during the summer

Nearly 300 students participated in more than 40 different short-term overseas exchange programmes this summer. Singapore, the United Kingdom, and Hong Kong remain to be the most popular destinations picked by students, while pilot programmes operated in countries like Switzerland and Hungary also gathered significant attention. Qiangdi Hu, a teacher who led a team to University of Cambridge, remarked that the programmes helped students improve their abilities and broaden their horizons, and also enhanced the internationalization of his own work.





Collegiate Immersion Bootcamp for US-based Institutions to Jiangsu visited SUDA

On August 5th, over 90 students and teachers from 8 different top universities worldwide including Duke University, Columbia University, Institut d'Études Politiques de Paris, visited SUDA during their participation in the Collegiate Immersion Bootcamp for US-based Institutions to Jiangsu. They attended a special lecture and seminar of "The history, Culture, Environment, Biosphere of the Grand Canal under Urban Development". The students engaged in lively discussions on how the environment, ecology, and culture of the Grand Canal can be preserved and revitalized in modern urbanization.





International students of SUDA participated in Youth Exchange Program in Guizhou

In late August, our international students visited Guiyang and Tongren to participate in the “Zhi & Xing Guizhou” Silk Road Youth Exchange Programme. They engaged in various activities such as field visits, cultural experiences and discussion sessions and immersed themselves in the charm of China’s splendid traditional culture and its rich intangible heritage. They spent time with local Chinese students, fostering ideas of peace and friendship. This programme is also one of the themed events of the “2024 China-ASEAN Education Cooperation Week” .





Students and teachers of Jingwen College visited New Asia College of the Chinese University of Hong Kong

In late July, Jingwen College of SUDA and New Asia College of CUHK jointly hosted a summer programme called “Integration and Development: Hongkong Culture and Jiangnan Culture”. Focusing on the urban landscape and cultural essence of Hong Kong, 26 participants from both institutions together visited important locations in Hong Kong such as the Legislative Council, the Heritage Museum, International Social Service, and the Smart Government Innovation LAB. The programme included various activities such as city exploration, cultural experiences, themed salons, and service practices.





Featured: Discover Jiangsu SUDA International Summer Program Thrives with Exciting Activities

The 2024 Discover Jiangsu SUDA International Summer Programme kicked off in early August, attracting over 20 international students from universities such as the University of Cambridge, Kasetsart University in Thailand, and the University of the Alps, as well as more than 30 Chinese and international students from SUDA. The event featured two main components: "Exploring Suzhou" cultural tours and "Scientific Research Training."

During the one-week "Discover Suzhou" section, international students visited the university's Tiancizhuang Campus, Pingjiang Historical and Cultural District, Wu Culture Museum, Suzhou Silk Museum, and other sites. They actively engaged in traditional cultural activities such as playing the Chinese zither, painting folding fans, and embroidering Suzhou-style silk. Additionally, they toured the Suzhou City Planning Exhibition Center and the International Integration Service Center in the Suzhou Industrial Park, gaining insight into Suzhou's achievements in technological innovation and modern development.





In the "Scientific Research Training" section, international students selected their mentors in advance and joined academic research groups for a 1-3 month research internship. The research fields covered various disciplines, including biology, materials science, radiological medicine, physics, and new energy. This experience deepened their understanding of SUDA's research capabilities and enhanced their scientific research skills, with many students expressing a desire to pursue further studies at SUDA in the future.





This summer programme placed special emphasis on the concept of "local internationalization," with Chinese student volunteers participating throughout the program. This not only provided international students with a rich cultural experience but also promoted cross-cultural exchange and broadened the international perspectives of Chinese students. Participants unanimously agreed that the program deepened their understanding of Chinese culture and technological development while fostering friendships and cooperation between Chinese and international students.



By Lyuhua Zhu and Lin Mei



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