MONTHLY REPORT

2025.06 University of Science and Technology of China

第9期



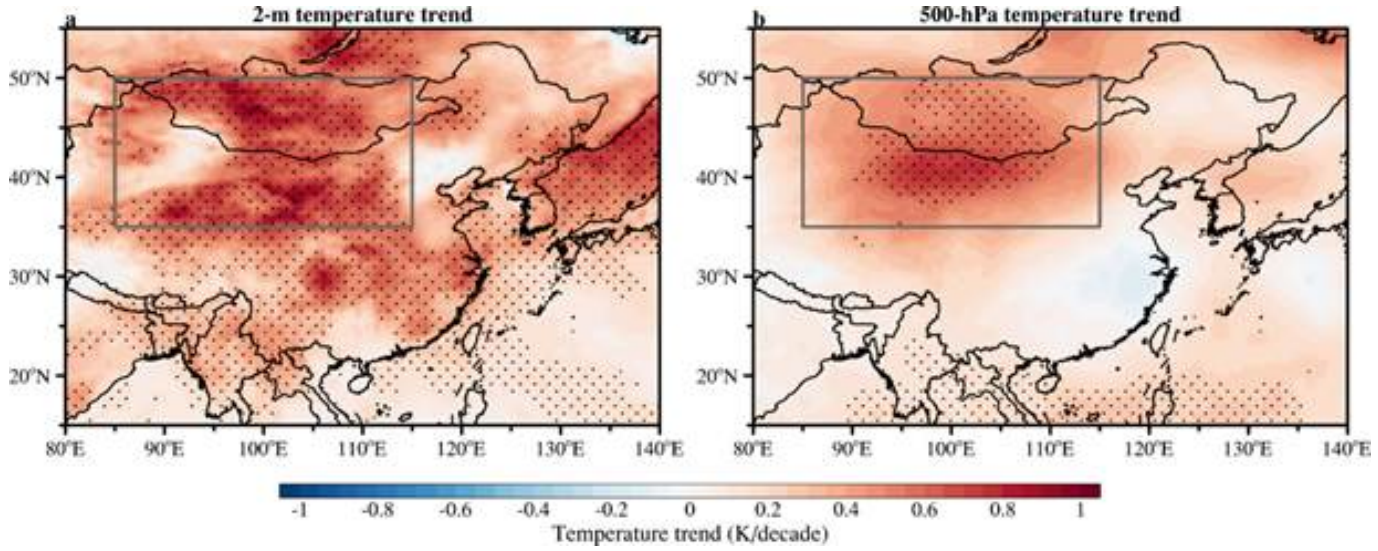
Abstract ◎ Research ◎ Activity ◎ Alumni

RESEARCH

Jun. 1

READ MORE

USTC Unveils Hidden Hand of Extreme Rainfall Over North China



At the end of July 2023, an extreme heavy rainfall suddenly struck North China (23.7 event), causing severe flood disasters in Beijing, Hebei, and other places, resulting in significant casualties and property losses. How was this record-breaking rainstorm formed? Is it only the combined effect of the Typhoon Doksuri and the terrain?

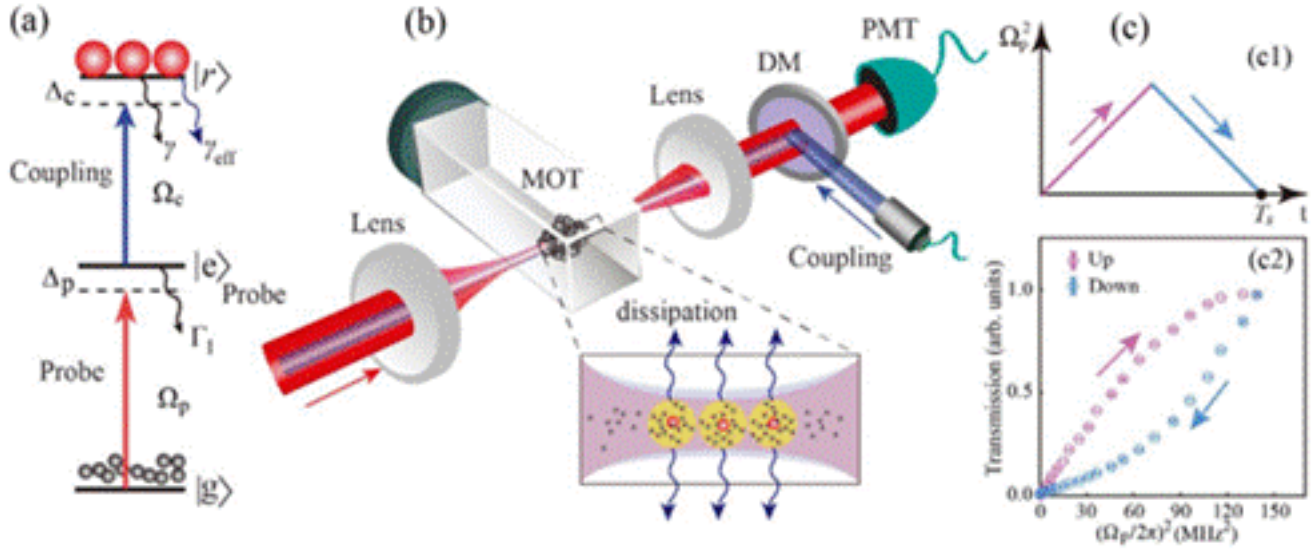
Intrigued by this question, a research team led by Prof. ZHAO Chun from the University of Science and Technology of China (USTC) of the Chinese Academy of Sciences conducted global variable resolution regional encrypted numerical simulations and climate attribution analysis, revealing a previously overlooked key factor: the Mongolian Plateau (MP) region. This research result was published in *Geophysical Research Letters.*

RESEARCH

Jun. 10

READ MORE

USTC Reveals Charge Parity Symmetry Breaking in Rydberg Atom Multi-body Systems



A research team led by Prof. GUO Guangcan, Prof. SHI Baosen and Prof. DING Dongsheng from the University of Science and Technology of China (USTC) of the Chinese Academy of Sciences, observed multi-body interaction-induced EPs and hysteresis trajectories in cold Rydberg atomic gases. They revealed the phenomenon of charge-conjugation parity (CP) symmetry breaking in non-Hermitian multi-body physics. The study was published in *Nature Communications.*

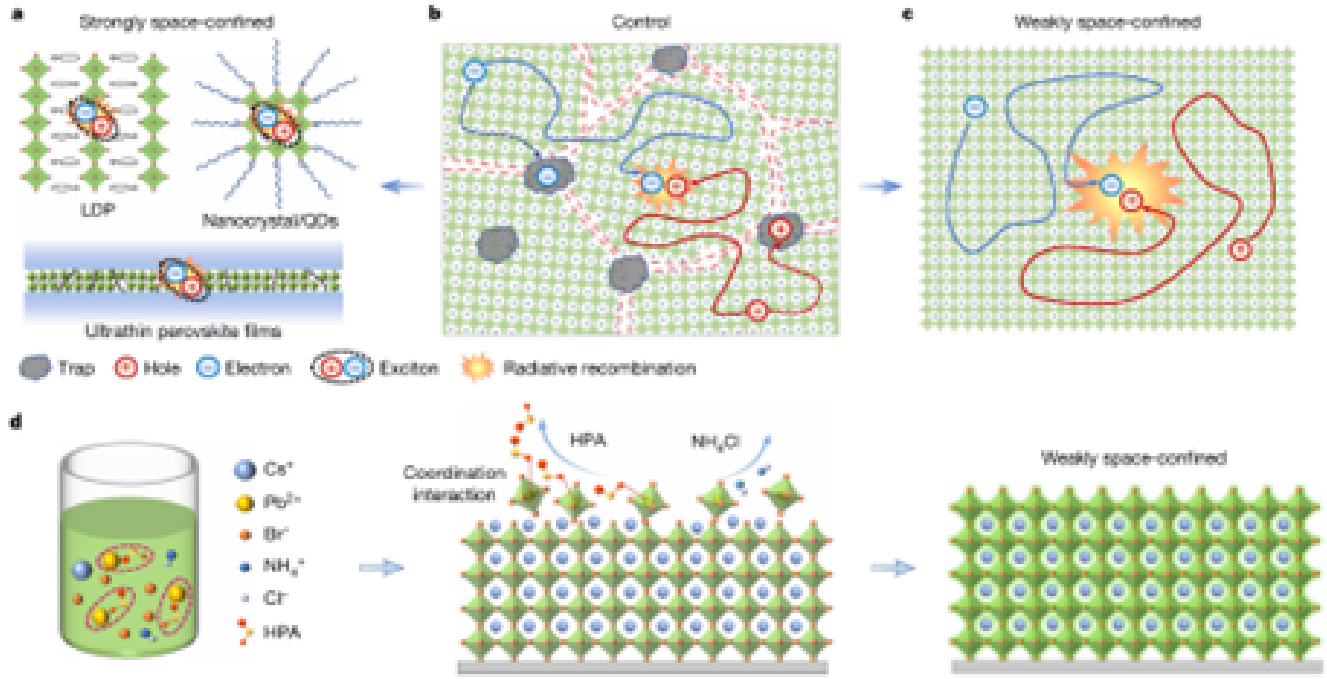
This work builds a bridge between non-Hermitian multi-quantum physics and the CP problem in particle physics, providing new insights into the origin of cosmic matter, the limitations of the Standard Model, and the exploration of new physics.

RESEARCH

Jun. 11

READ MORE

USTC Prepares Weakly Space-confined All-inorganic Perovskite Light-emitting Diodes



In a study published in *Nature*, a research team led by Prof. XIAO Zhengguo from the University of Science and Technology of China (USTC) of Chinese Academy of Sciences has proposed an alternative strategy based on weakly space-confined, large-grained crystals of all-inorganic perovskite to prepare perovskite films with larger crystalline grains and higher temperature resistance. They successfully increased the perovskite light-emitting diodes (PeLEDs) brightness to over 1.16 million nits and extended its lifespan to more than 180,000 hours.

ACTIVITY

May.30

READ MORE

Dragon Boat Festival

International students came together to celebrate the traditions of Dragon Boat Festival (端午) through hands-on activities—braiding colorful five-color cords, learning the stories behind the festival, and making delicious zongzi.
Culture was shared, friendships were made, and memories were crafted—one colorful thread and bamboo leaf at a time.









ACTIVITY

Jun.13-17 READ MORE

Youth Innovation Program







From the grasslands of Yumin to the border port of Tacheng, USTC international students spent five unforgettable days exploring Xinjiang!

As part of the 2025 “Silk Road Integration • Borderland Prosperity” Youth Innovation Program, our students experienced vibrant local culture, tasted traditional food, visited iconic museums and industries, and built lasting cross-cultural friendships.

This journey wasn’t just about travel——it was about understanding, connection, and sharing real stories of modern China with the world.

ACTIVITY

Jun.22

READ MORE

2025 Graduation Ceremony

On June 22, USTC proudly celebrated the graduation of our amazing Class of 2025.

With tassels moved from right to left, our students marked their transformation from USTC students to USTC alumni - ready to embark on new journeys around the world.

We’ re proud of each of you and wish you a future filled with growth, purpose, and success.









ALUMNI

ARIF ULLAH

BL15234002

Physical chemistry

PAKISTAN



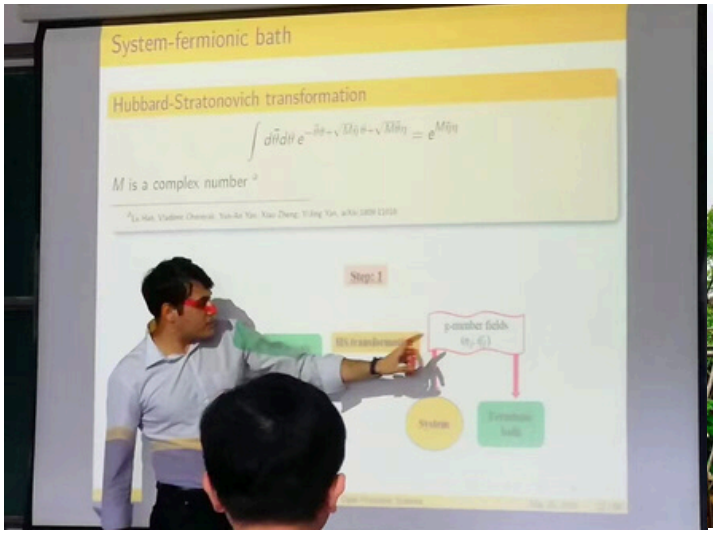
After spending a decade in China, when I look back at my journey, my alma mater, the University of Science and Technology of China (USTC), stands as a defining chapter of my life. Those four and a half years at USTC not only shaped my career but also left me with unforgettable memories, deeply intertwined with the changing seasons of the beautiful campus.

My USTC story began in 2014 when, after graduating from Quaid-i-Azam University, the top-tier university in Pakistan, I was searching for the best place to pursue advanced studies. At that time, few from my country considered China for PhD studies—most looked toward the West. However, a friend who had studied in China encouraged me to apply. Then I submitted my application for the CAS-TWAS fellowship through USTC. Months later, an unexpected email arrived—an admission notice. That moment marked the beginning of a transformative journey.

ALUMNI

On September 1, 2015, I arrived in China, greeted warmly by USTC representatives. The international office ensured a smooth transition, providing comfortable accommodation at the Institute of Advanced Technology (IAT), access to healthcare, and even Halal food options in the canteens. The kindness of teachers like Ms. Nancy and Ms. Zhang during our Chinese language classes made my initial days even more welcoming.

As my academic path unfolded, I moved to USTC’ s East Campus and joined the esteemed research group of Prof. Yijing Yan, under the mentorship of Prof. Xiao Zheng. My PhD group is one of the top research groups working in the field of open quantum systems. My research flourished in this intellectually stimulating environment. Throughout my PhD, whenever I faced challenges, I found unwavering support from my professors, lab mates, and the International College. The vibrant cultural exchange—through events like International Cultural Day and sports activities—introduced me to friends from around the world, enriching my experience beyond academics.





ALUMNI

USTC’ s natural beauty was a constant companion through every season. Spring brought the enchanting cherry blossoms, turning the campus into a floral paradise. The serene water lake provided a peaceful retreat from research pressures. Autumn draped the university in golden hues, making every walkway a picturesque path. And then came winter—when snow transformed the campus into a mesmerizing wonderland, adding magic to daily life.





Beyond academics and scenic beauty, USTC gifted me something even more precious—I met my soulmate here. Our journey together, which began at USTC, led to a joyful marriage and the blessing of our now two-year-old son.

Today, as an Assistant Professor at Anhui University, I look back with immense gratitude. USTC was not just a university; it was a home, a mentor, and a place where seasons of change shaped the most meaningful chapters of my life.

Forever grateful, forever USTC.

SHARE YOUR STORY!

WHAT YOU CAN SHARE

including but not limited to

- CAREER & RESEARCH
- LIFE AFTER USTC
- ENTREPRENEURIAL VENTURES
- CROSS-CULTURAL EXPERIENCES
- MEMORABLE USTC MOMENTS

FORMATS

- ARTICLES OR ESSAYS
- PHOTO STORIES
- SHORT VIDEOS
- INTERVIEWS

SUBMIT NOW!

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University of Science and Technology of China