MONTHLY REPORT

2026.07 University of Science and Technology of China

第19期



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RESEARCH

Jun. 30

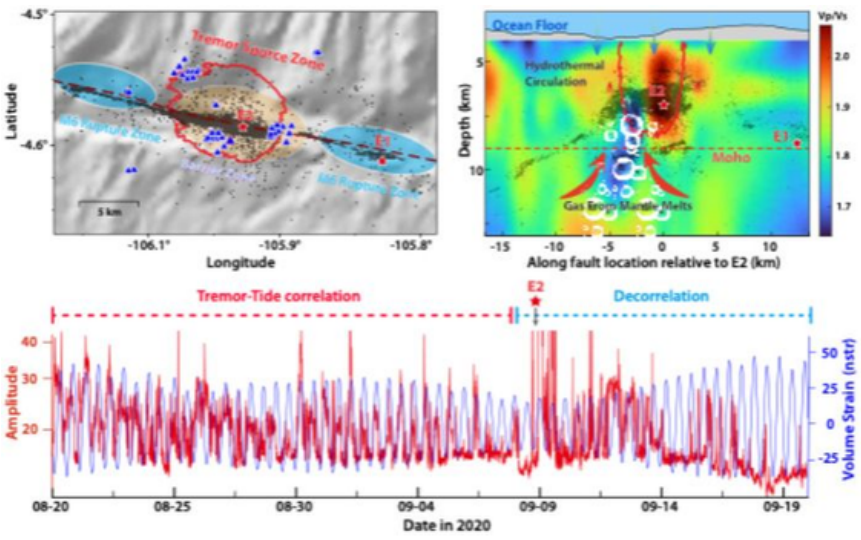
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USTC Researchers Reveal Cyclic Sealing and Drainage on the Gofar Oceanic Transform Fault

Oceanic transform faults are strike-slip boundaries—faults that move horizontally rather than up and down and connect offset mid-ocean ridge segments. They have long been regarded as simple "conservative" plate boundaries that slide past each other without creating or destroying Earth's crust. However, mounting evidence suggests that these faults are influenced by magmatism and hydrothermal circulation, exhibiting complex three-dimensional structures.

In a study published in ***Science*** on June 25, a team led by Prof. ZHANG Haijiang from the University of Science and Technology of China (USTC) of the Chinese Academy of Sciences demonstrated that these faults are dynamic systems governed by fluids, tides, and magmatism.

This study provides the first evidence of tidally modulated tremor on an oceanic transform fault, demonstrating the dynamic nature of oceanic transform faults.



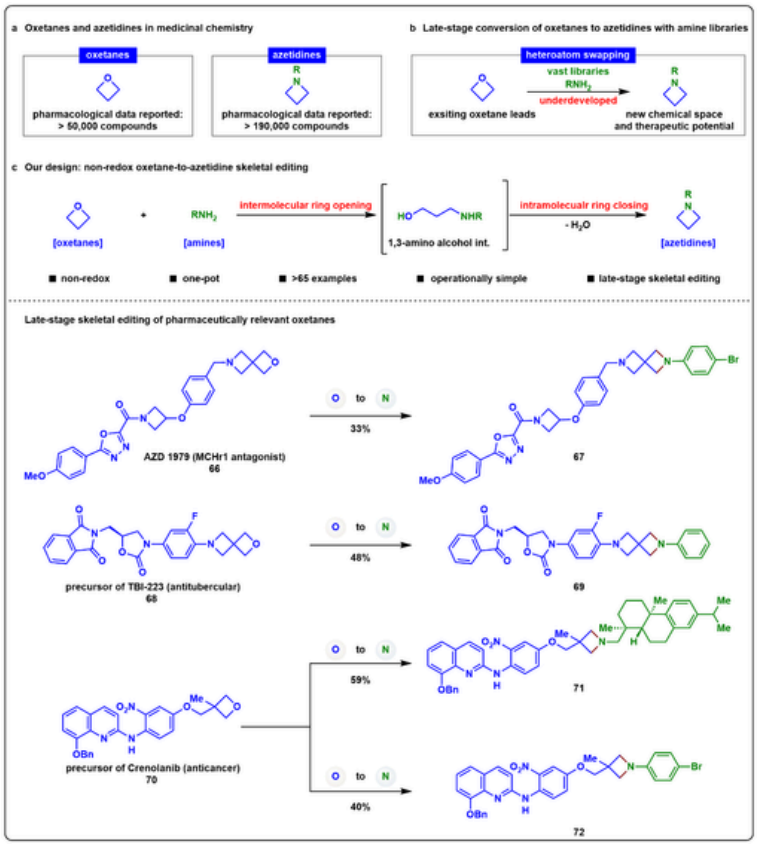
RESEARCH

Jul. 14

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USTC Achieves Precise Skeletal Editing of Four-Membered Heterocycles

Recently, a research team led by Special Term Professor Hai-Jun Zhang at the University of Science and Technology of China (USTC) made significant progress in the field of four-membered heterocycle skeletal editing. The team developed a novel non-redox skeletal editing strategy that achieves the direct skeletal transformation of oxetanes into azetidines, offering a new synthetic tool for the rapid interconversion of privileged heterocycles and the late-stage functionalization of drug molecules. The findings were published online in the renowned academic journal ***Nature Chemistry*** on July 13 under the title "Oxetane-to-azetidine skeletal editing."



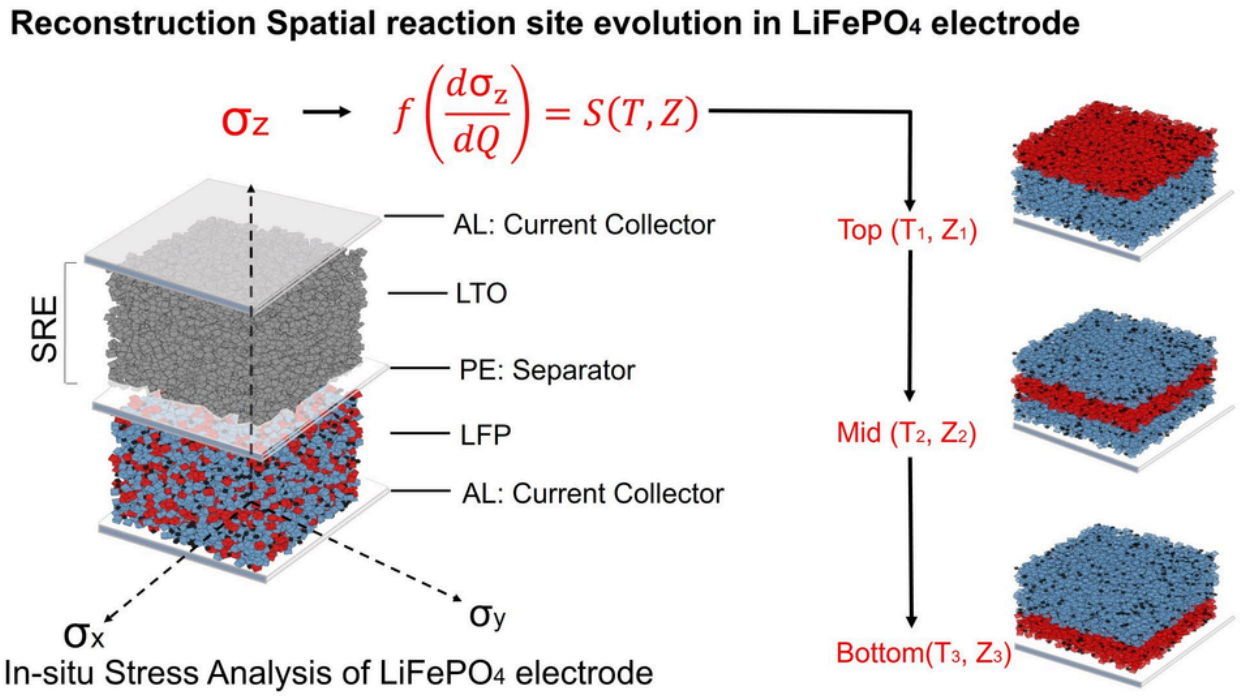
The peer reviewers praised the research highly. They highlighted that this strategy provides an important mechanistic complement to existing methods and demonstrates outstanding advantages, particularly in the editing of 3,3-disubstituted oxetanes—which are of high value in medicinal chemistry—as well as in the late-stage skeletal editing of complex drug molecules.

RESEARCH

Jul. 23

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USTC Team Leverages In-Situ Stress Signals to Reveal Spatial Heterogeneity in Lithium Iron Phosphate Electrodes



Recently, a research team led by Prof. Peng Tan from the Department of Thermal Science and Energy Engineering, School of Engineering Science at the University of Science and Technology of China (USTC), made significant progress in characterizing reaction kinetics within lithium-ion battery electrodes. The team introduced an In-Situ Stress Analysis Technique for Lithium-Ion Electrodes (ISLE) to measure normal stress variations in lithium iron phosphate (LFP) electrodes during charge and discharge processes, successfully reconstructing the spatiotemporal evolution of reaction sites along the electrode thickness. The study, titled "Mechanical Signals Revealing Spatial Heterogeneity in Lithium Iron Phosphate Electrodes," was published as a cover article in the renowned academic journal ***ACS Energy Letters***.

NEWS

Jun. 30

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2026 Graduation Events

As the graduation season arrived, the University of Science and Technology of China (USTC) held a series of graduation events for the Class of 2026 international students, including a group photo session, the university’ s graduation and degree conferment ceremony, and an international student graduation gala.







NEWS

Jul. 08

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2026 ZHI-XING Guizhou



From June 28 to July 3, four international students from the University of Science and Technology of China (USTC) participated in the 2026 ZHI-XING Guizhou Silk Road Youth Exchange Program in Liupanshui, Guizhou Province.

This exchange program allowed international students to experience the unique charm of Guizhou—from intangible cultural heritage and ethnic arts to technological innovation and ecological development. Through meaningful interactions and shared experiences, students gained a richer understanding of contemporary China.







NEWS

Jul. 22

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Explore Rural Revitalization

From July 8 to 12, the International College of the University of Science and Technology of China (USTC) organized a study tour to Yumin County in Xinjiang's Tacheng Prefecture for international students from ten different countries. Invited by the People's Government of Yumin County, the five-day exchange program focused on rural revitalization, industrial development, cultural diversity, and regional opening-up, providing students with an opportunity to step beyond the classroom and gain first-hand insight into contemporary China's development through field visits and community engagement.









ALUMNI

Muslim Khan



BL20024003

School of Humanities and Social Sciences

Pakistan

Anvil of Growth, Second Home of My Heart

Looking back on my years at the University of Science and Technology of China (USTC), I view them as one of the most transformative and meaningful chapters of my life. USTC was not merely where I pursued academic excellence and completed an essential stage of my higher education; it was the anvil on which my confidence, resilience, and global perspective were forged. It redefined my way of thinking, sharpened my sense of purpose, and paved the way for the professional journey I walk today.

My time at USTC was both challenging and deeply rewarding. The university's rigorous academic environment compelled me to think critically, conduct research with precision, and cultivate the unwavering discipline required for high-level scholarship. While there were moments of pressure and uncertainty, those very trials became my most valuable lessons. They taught me patience, perseverance,

and the resolve to press forward even when facing formidable obstacles. USTC demonstrated to me that profound personal growth often stems from adversity, and that every challenge can be transformed into a source of enduring strength.

Beyond academic training, what made those years truly unforgettable was the life I experienced in China. Living and studying there allowed me to discover a nation of extraordinary depth, warmth, and vitality. I came to admire not only China's profound history and rich traditions, but also its dynamic energy, rapid development, and relentless spirit of innovation. It was inspiring to witness a society where ancient heritage and cutting-edge progress coexist so harmoniously.

On a deeply personal level, China provided me with a profound sense of connection and belonging. Throughout my stay, I was touched by the genuine warmth, hospitality, and sincerity of the Chinese people. Whether in daily interactions, on campus, or in the broader community, I was consistently welcomed, respected, and supported. These experiences left an indelible mark on my heart, making China feel far more than just a destination of study—it truly became my second home.

The friendships I forged during this journey are among my most cherished treasures. At USTC, I had the privilege of connecting with wonderful peers from China and across the globe. Together, we navigated the demands of research, celebrated academic breakthroughs, and shared the simple joys of everyday life. We lifted each other up during demanding times and built memories that I will forever hold dear. These bonds brought immense warmth and vibrancy to my years at USTC, reminding me that education extends

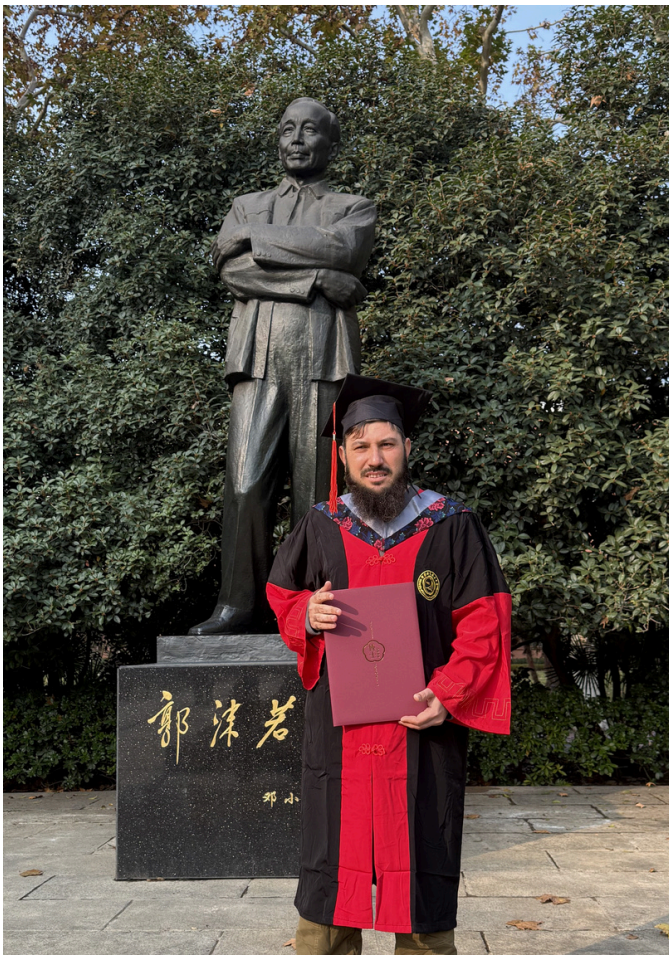
ALUMNI

beyond books and laboratories—it is rooted in human connection, mutual support, and shared growth.

Immersing myself in Chinese culture added a rich, profound dimension to my life. Participating in traditional festivals, experiencing local customs, and enjoying the cuisine deepened my appreciation for the wisdom and beauty of Chinese civilization. I was particularly moved by the core values of respect, community, dedication, and harmony that permeate everyday life. These cultural experiences broadened my worldview, enriching me in ways that transcend academic achievements.







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!

intlalumni@ustc.edu.cn

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