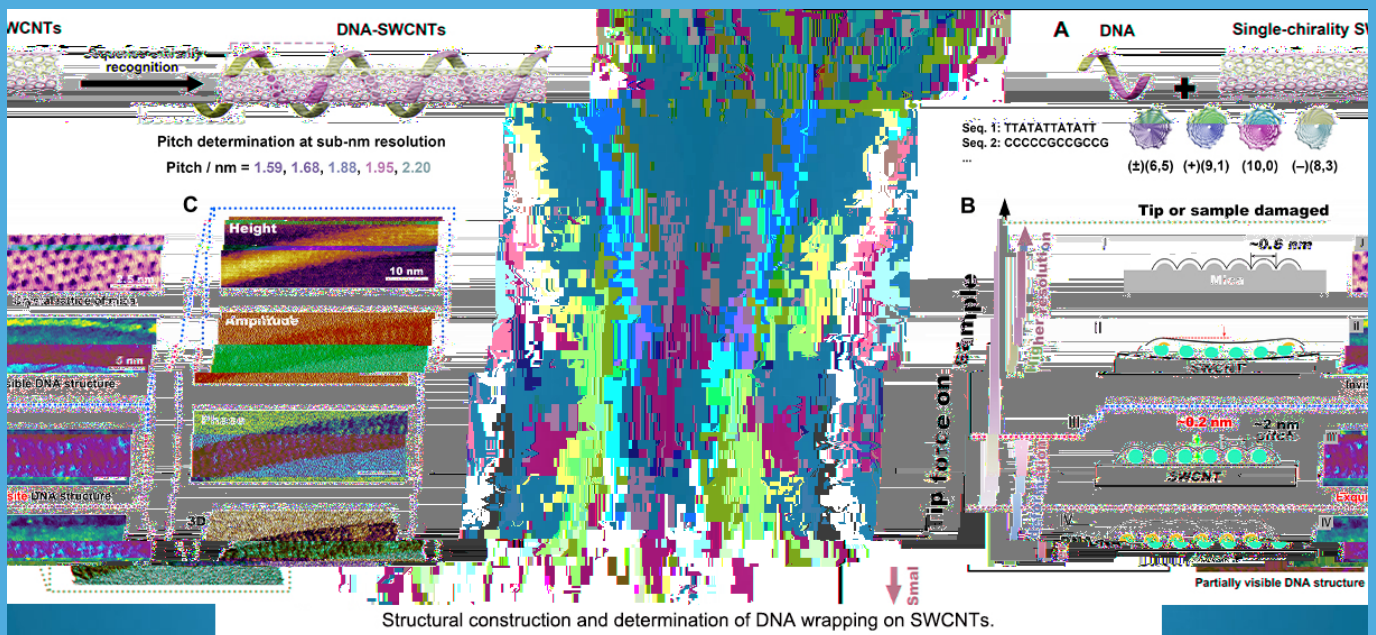




SCUT Newsletter



1. Prof. Zhiwei Lin's Research Team at SCUT Unveiled the DNA Wrapping Structures on SWCNTs at Sub-nm Resolution

DNA

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(QFRGHG &DUERQ 1DQRWXEH 6RUWLQJ DQG 6HQVLQJ YLD
'HWHUPLQDWLRQFH \$GYDQFH YHORSHG D KLJK UHVROXWLRQ OLT
PLFURVRS\ SURWRFRO WKDW HPSORHG XOWUD VRIW SUREHV WR
IRUFHV WKURXJK VPDOR DPSOLWXGH KLJK IUHTXHQF\ PRGXODWLR

SUHYHQWHG VWUXFWXUDO GHIRUPDWLRQ RI '1\$ 6:&17V ZKLOH
FRQIRUPDWLRQDO GDWD PDUNLQJ WKH ILUVW H[SHULPHQWDO D
VWUXFWXUH RI '1\$ 6:&17V 7KH VWXG\ UHYHDOHG WKDW VSHFLILF
OHIW KDQGHG KHOLFDO VWUXFWXUHV DURXQG 6:&17V SURYLGLQJ
EHKLQG '1\$ HQFRGHG IXQFWLRQDOL]DWLRQ RI 6:&17V

:LWK[FHSHWHBQDVRSLWFDQDGHFKDQSLRSHSWCNVDSJLGHXVHLOHOFWURQLFY
RSWLFDO GHYLFHV GLVHVDH GLDJQRVWLFV HQHUJ\ VWRUDJH DQG

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2. SCUT Students Repeated Stellar Performance at the 16th Chinese Mathematics Competition for College Students

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\$SSOLHG 0DWKHPDWLFV PDMRU DW 6&87 FODLPHG ILUVW SUL]H L
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3. SCUT Unveiled the World's First 20L Plasma-Assisted High-Energy Ball Mill

20L

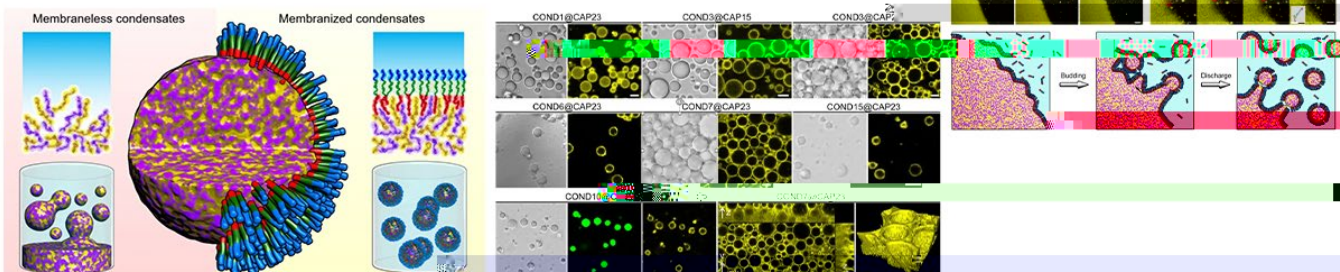
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YDULDEOH PHFKDQLFDO HQHUJ\ FRQVWUDLQWV DQG XQLIRUP GLVFR
WKH ILUVW HYHU ODUJH VFDOH SODVPD GLVFKDUJH LQ PLOOLQJ DS
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Universal membraneless and biomolecular condensates towards ultrastability and spontaneous enucleation

Da Tang, Jun Zhu, Hao Wang, Nannan Chen, Hui Wang, Yongqiang Huang & Lingqiang Jiang

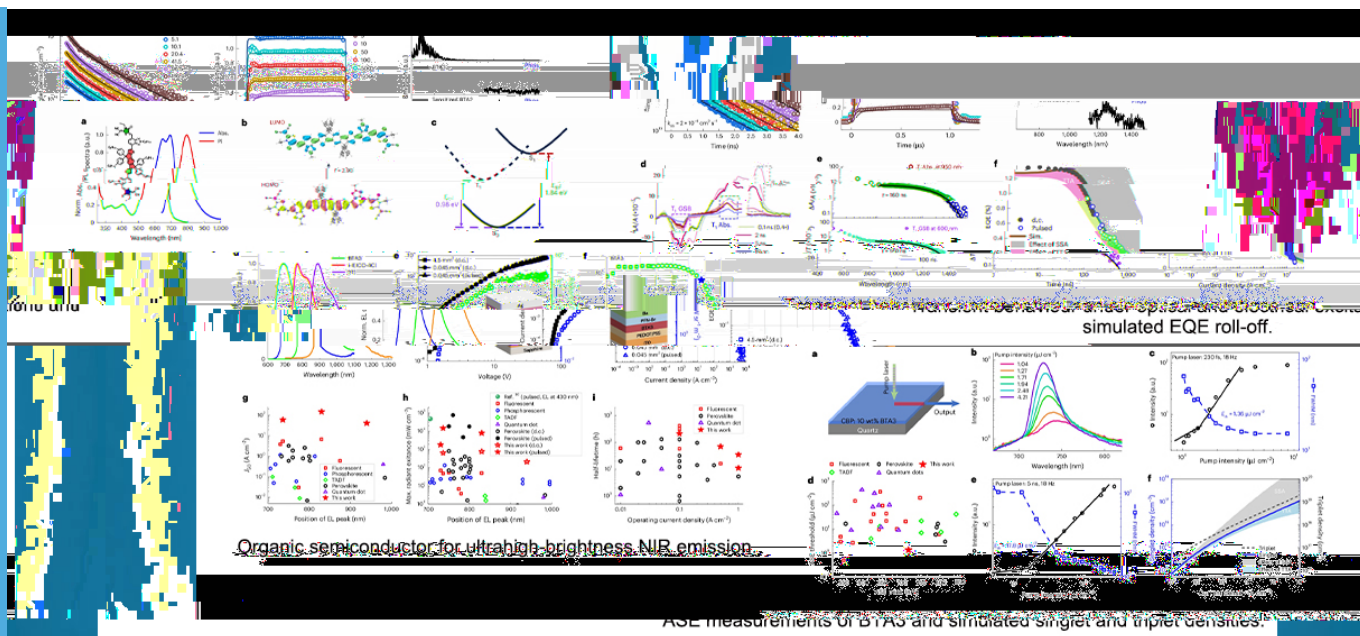
Nature Chemistry (2025) | Cite this article



5. SCUT Research Team Armored Condensate Droplets with "Molecular Bodysuit"

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 PHPEUDQLJHG GURSOHWV IXQFWLRQ DV D PROHFXODU ERG\VLW D
 RQO\ LQ DTXHRXV PHGLD EXW DOVR XQGHU KLJK VDOLQLW\ H[WUHP
 7KLV PDWHULDO VKRZV SURPLVLQJ DSSOLFDWLRQV LQ GHYHORSQ
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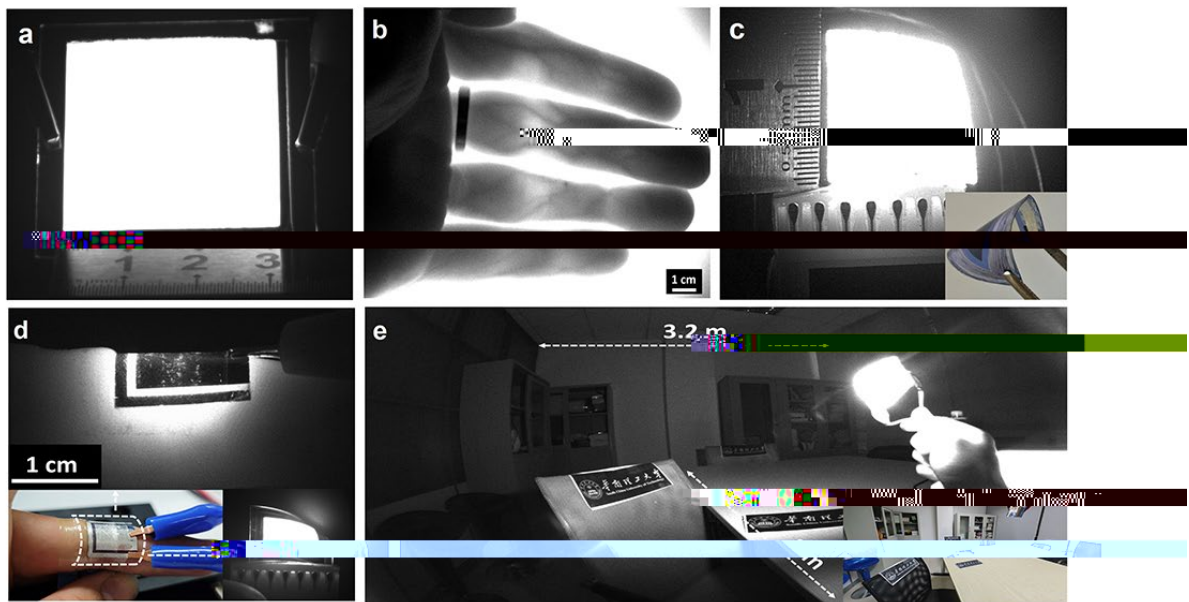


6. SCUT Prof. Wu Hongbin's Team Proposed a Novel Strategy to Suppress OLED Efficiency Roll-off

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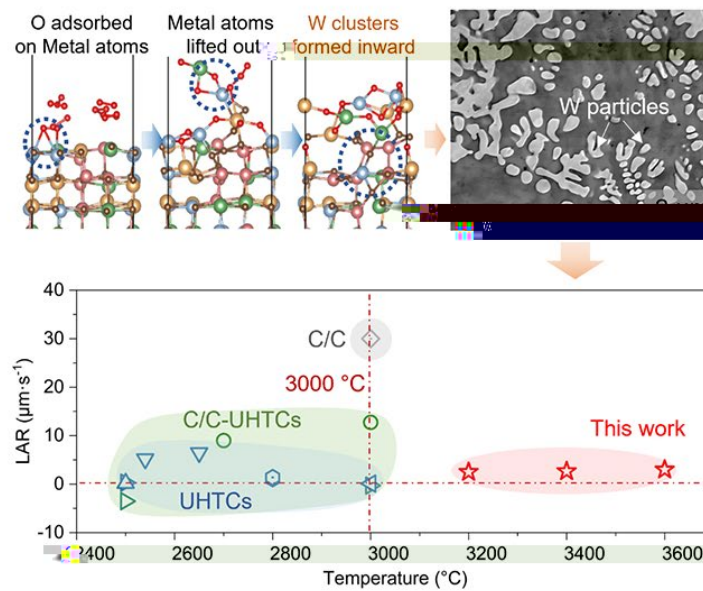
7.The National Competition of Transport Science and Technology for Undergraduate Students Concluded with SCUT Smart Transportation Projects Winning Dual First Prizes

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1\$&7UDQ6 ZDV KHOG IURP OD\ WR :LWK D IRFXV RQ QH[W J
VXVWDLQDEOH WUDQVSRUWDWLRQ GHYHORSPHQW WKH FRPSHWLW
ZDWHUZH\ WUDQVSRUW WUDIILF HQJLQHHLQJ URDG WUDQVSRU
VHFXWZQ QDMLURQVDSULJHV DQG WKDURHQVHFHQVSHVJHWRP XQLY
DFURVV &KLQD 1RWDEO\ WZR JURXQGEUHDNLQJ SURMHFWV IURP 6
DQ DGDSWLYH WUDIILF VLJQDO FRQWURO V\ VWHP WKDW LQQRYDW
PHWD UHLQIRUFHPHQW OHDUQLQJ DQG 6DIH3ODWRRQ DQ DXW
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1\$&7UDQ6 QRZ LQ LWV WK HGLWLRQ VWDQGV DV RQH RI &KLQD
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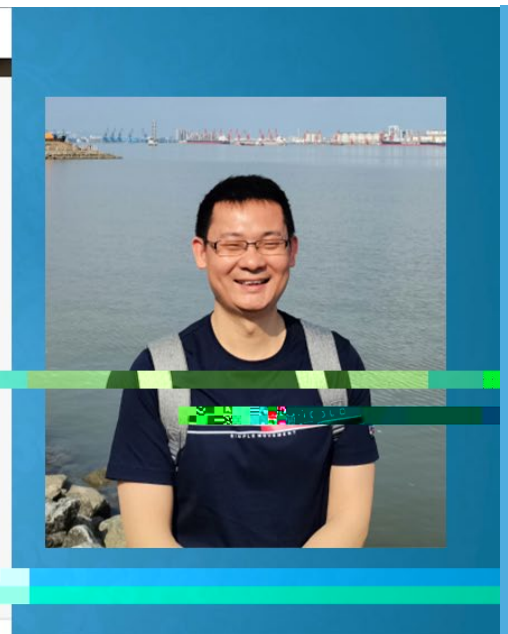
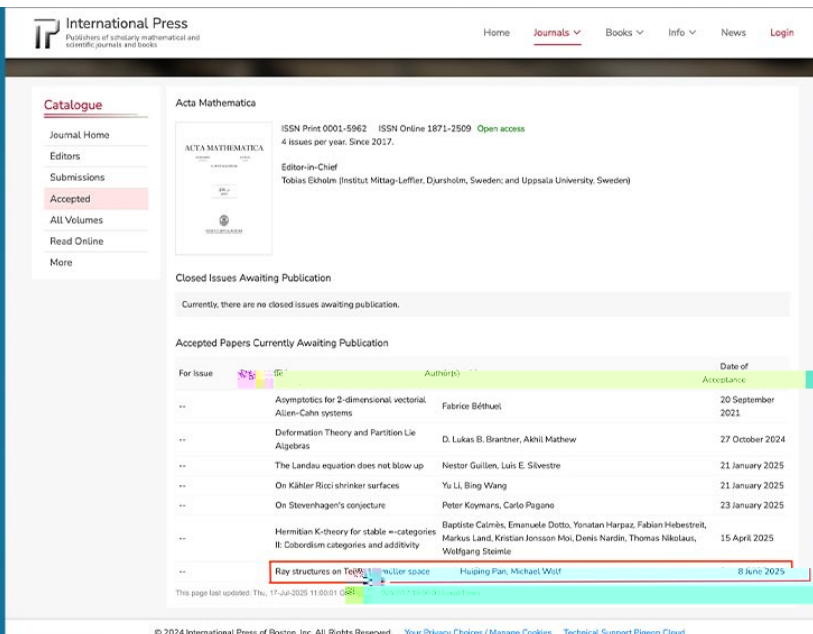


8. SCUT Chu Yanhui's Research Team Broke Ultra-High Temperature Ceramics Barrier with 3,600°C-Oxidation-Resistant Material

3600°C

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 KLJK HQWURS\ FDUEHG 7DWLULDO ZKLFK LV FDSDEOH RI ZLW
 WHPSHUDWXUH XS WRLV QHZ W\SH RI XOWUD KLJK WHPSHUDWX
 VLJQLILFDQW SRWHQWLDO IRVSDSSOLBDWLRQV QRLQHZ HGHUJ\ DQG
 H[WUHPH KLJK WHPSHUDWXUH UHVVLVWDQFH

7KH H[FHSWLRQDO XOWUD KLJK WHPSHUDWXUH R[LGDWLRQ UHVVLVW
 IRUPDWLRQ RI D WXQJVLHQ DOOR\ ZLWK D QXOWUD KLJK SPSHLDQ



9.SCUT Achieved First-Ever Publication in One of the World's Top Four Mathematics Journals

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+XLSLQJ IURP 6&87 DQG 3URIHVVRU 0LFKDHO :ROI &KDLU RI WKH
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PRVW VHOHFWLYH DQG DXWKRULWDWLYH MRXUQDOV LQ PDWKHPDWL

Acta Mathematica is one of the most important mathematical journals in the world. It is a quarterly journal of pure mathematics, published by the International Press of Boston. The journal is highly respected and is considered one of the top four mathematics journals in the world.

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