

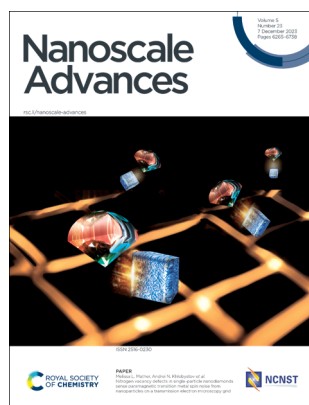
# Nanoscale Advances

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ISSN 2516-0230 CODEN NAADAI 5(23) 6265–6738 (2023)



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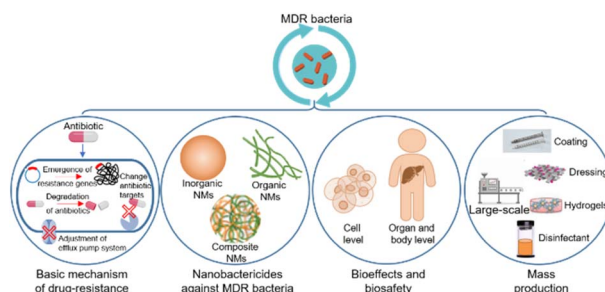
See Melissa L. Mather, Andrei N. Khlobystov *et al.*, pp. 6423–6434. Image reproduced by permission of Melissa Mather from *Nanoscale Adv.*, 2023, 5, 6423.

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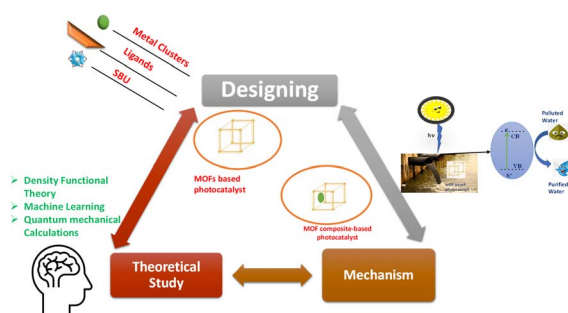
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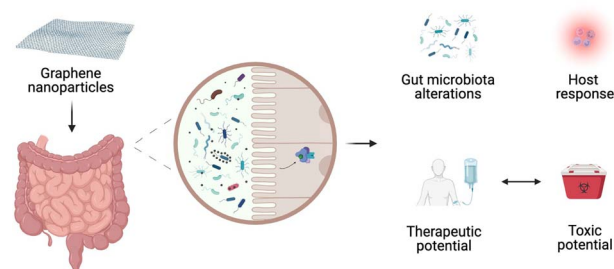


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**The gut microbiome meets nanomaterials: exposure and interplay with graphene nanoparticles**

Olga Wojciechowska, Adele Costabile and Matgorzata Kujawska\*

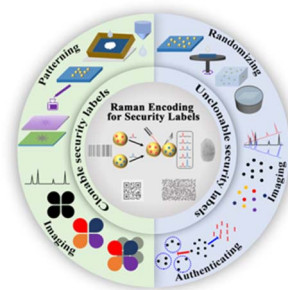


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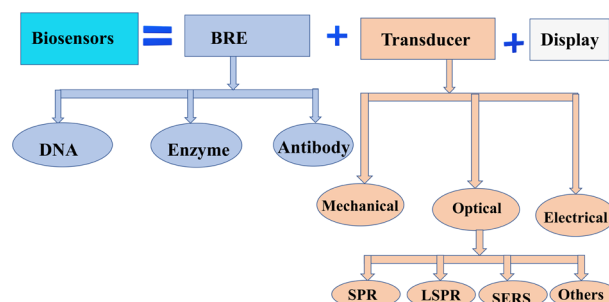
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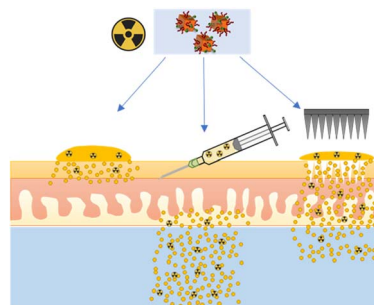


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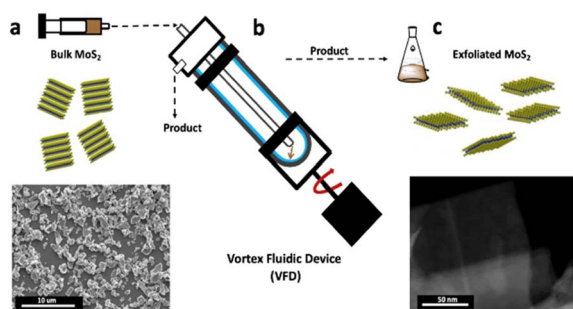
**Ex vivo transdermal delivery of  $^3\text{H}$ -labelled atovaquone solid drug nanoparticles: a comparison of topical, intradermal injection and microneedle assisted administration**

Sam Morris, Mark Long, Alison Savage, Andrew Owen, Steve Rannard and Helen Caulbeck\*



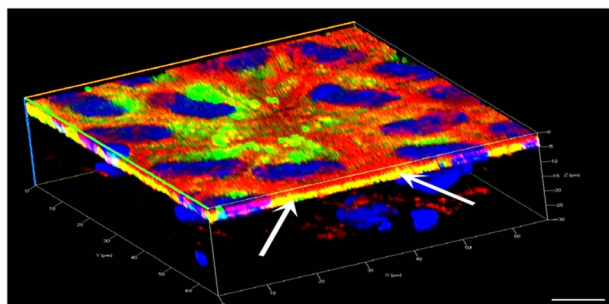
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Thaar M. D. Alharbi and Colin L. Raston\*

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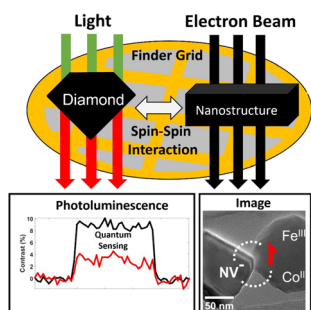


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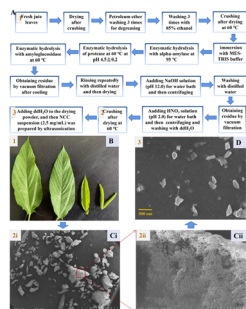
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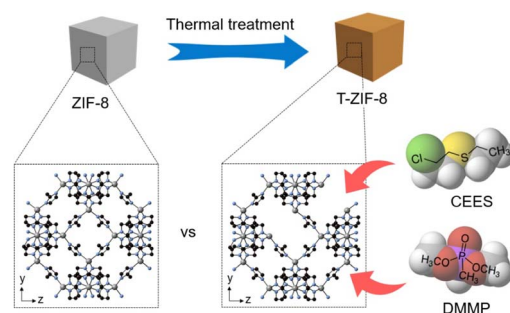


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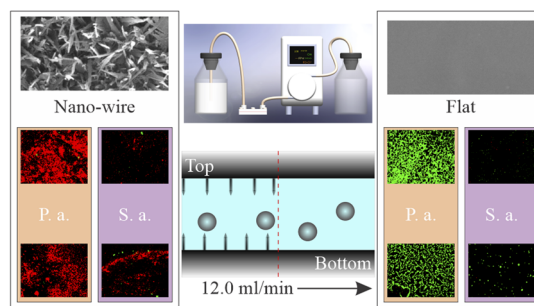
Sojin Oh, Sujeong Lee, Gihyun Lee and Moonhyun Oh\*



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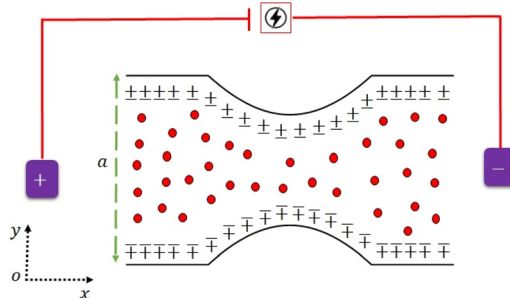
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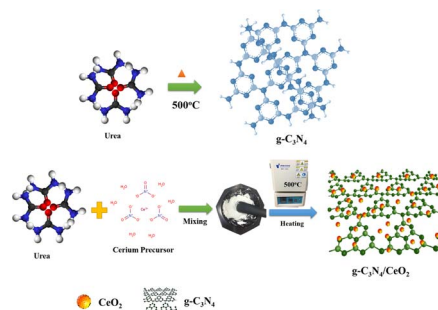
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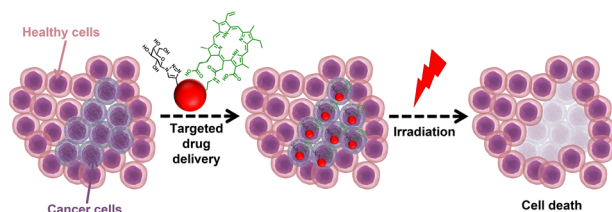
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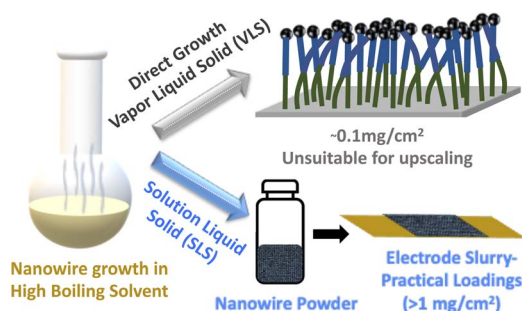
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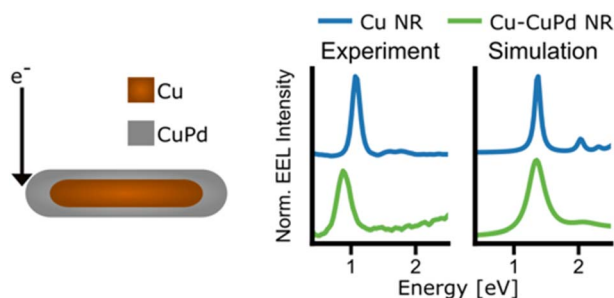
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### Solution processable Si/Ge heterostructure NWs enabling anode mass reduction for practical full-cell Li-ion batteries

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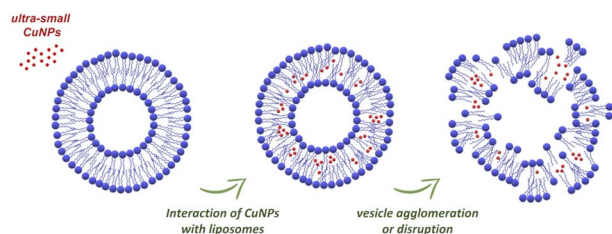
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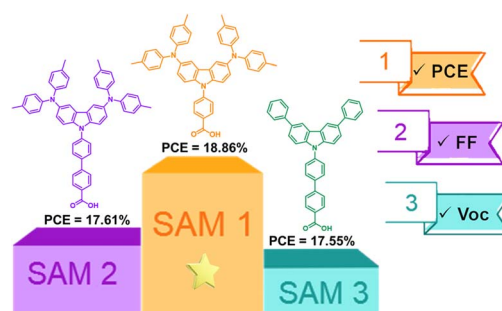


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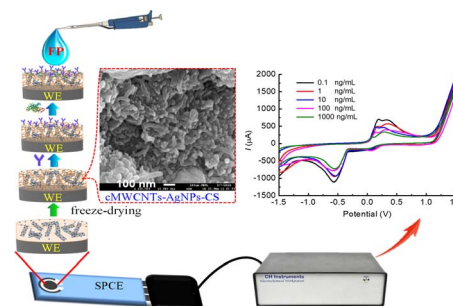
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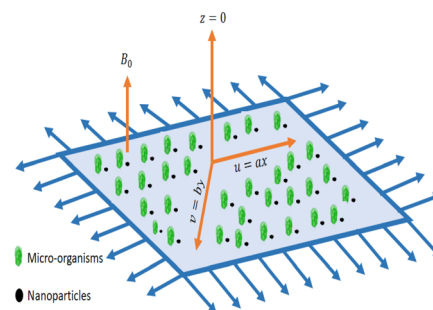
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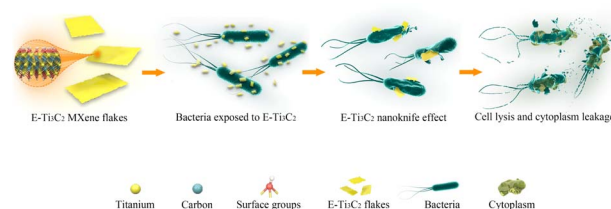
Zubair Hussain, Waqar Azeem Khan, M. Irfan, Taseer Muhammad, Sayed M. Eldin, M. Waqas and P. V. Satya Narayana\*



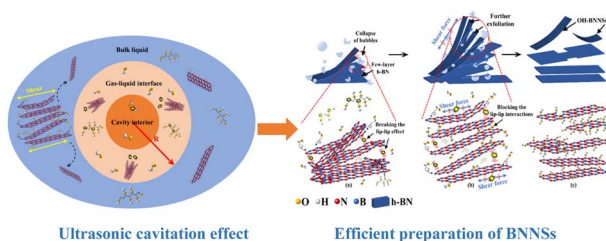
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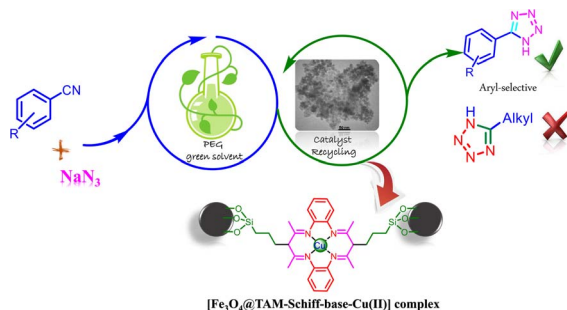
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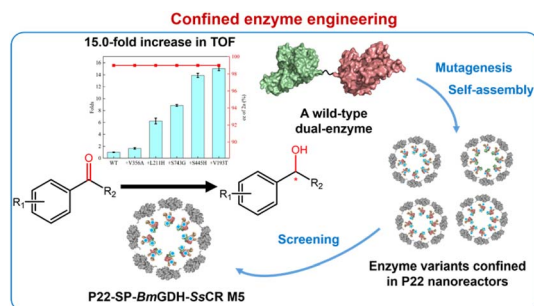
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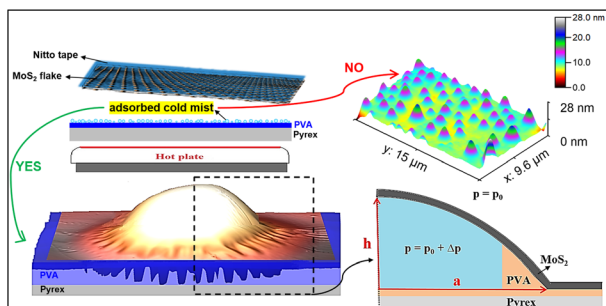
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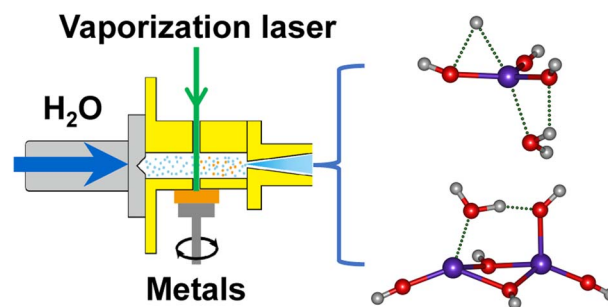


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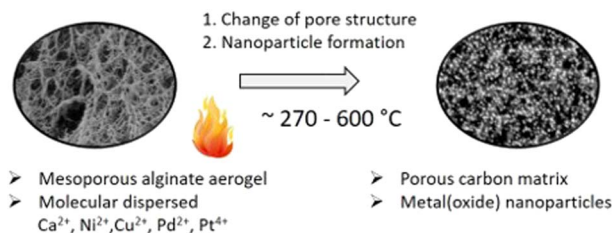
Tiantong Wang, Shangdong Li, Wenhui Yan, Shuai Jiang, Hua Xie, Gang Li\* and Ling Jiang\*



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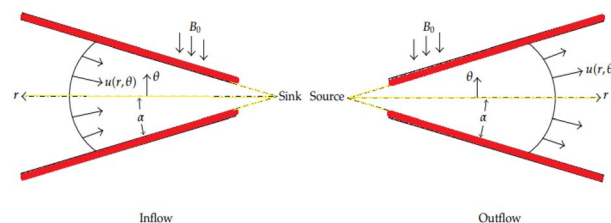
Juan I. del Río, Laura Juhász, József Kalmár, Zoltán Erdélyi, María D. Bermejo, Ángel Martín, Irina Smirnova, Pavel Gurikov and Baldur Schroeter\*



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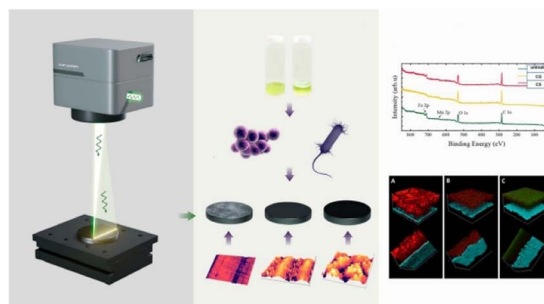
Shilpa B., Pudhari Srilatha, Umair Khan,\* Naveen Kumar R., Samia Ben Ahmed and Raman Kumar



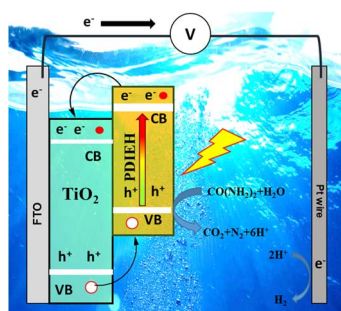
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Iaroslav Gnilitzkyi,\* Svitlana Rymar, Olga Iungin, Olexiy Vyshnevskyy, Pietro Parisse, Geert Potters, Anatoly V. Zayats\* and Olena Moshynets\*



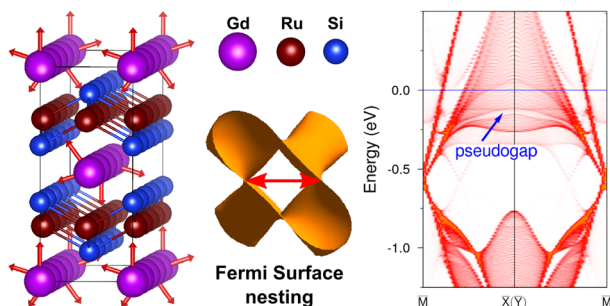
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Jasmine Bezboruah, Devendra Mayurdhwaj Sanke, Ajay Vinayakrao Munde, Palak Trilochand Bhattad, Himadri Shekhar Karmakar and Sanjio S. Zade\*

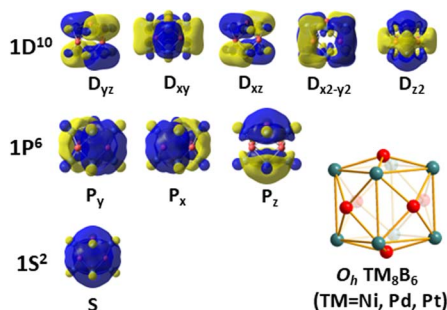
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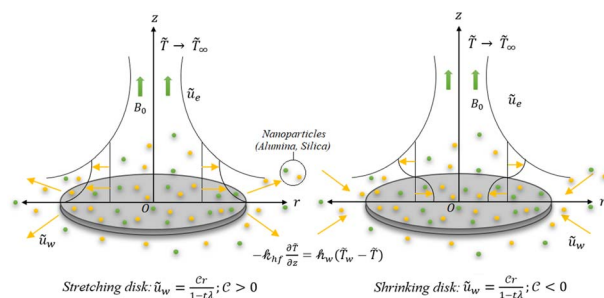
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Mei-Zhen Ao, Yuan-Yuan Ma, Yue-Wen Mu\* and Si-Dian Li\*

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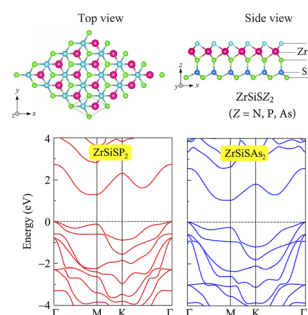
Mahnour Sarfraz, Muhammad Yasir\* and Masood Khan



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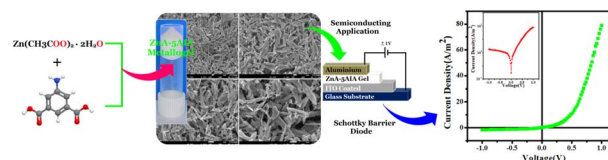
Nguyen P. Q. Anh, Nguyen T. Hiep, D. V. Lu, Cuong Q. Nguyen, Nguyen N. Hieu and Vo T. T. Vi\*



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## A 5-aminoisophthalic acid low molecular weight gelator based novel semiconducting supramolecular $\text{Zn(II)}$ -metallogel: unlocking an efficient Schottky barrier diode for microelectronics

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## Assessing the impact of ultra-thin diamond nanothreads on the glass transition temperature of a bituminous binder

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