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See Naoki Tomioka, Yu Matsuda *et al.*, pp. 5579–5584. Image reproduced by permission of Yu Matsuda from *Nanoscale Adv.*, 2024, 6, 5579.



**Inside cover**  
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G. Giancane, S. Bettini and L. Valli

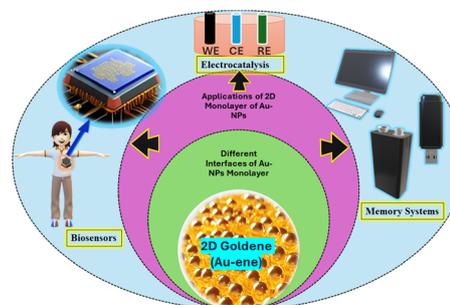


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Tholkappiyan Ramachandran,\* Ashraf Ali, Haider Butt, Lianxi Zheng, Firdous Ahmad Deader and Moh'd Rezeq\*



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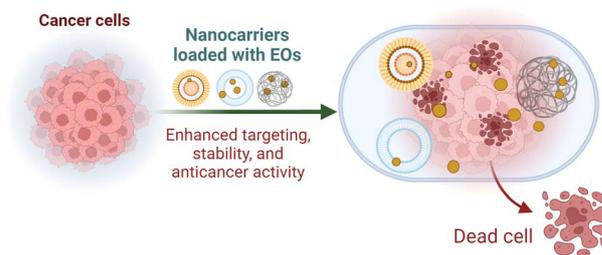
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**Beyond aromatherapy: can essential oil loaded nanocarriers revolutionize cancer treatment?**

Obaydah Abd Alkader Albrahim, Jude Majed Lababidi, Wolfgang Fritzsche and Hassan Mohamed El-Said Azzazy\*

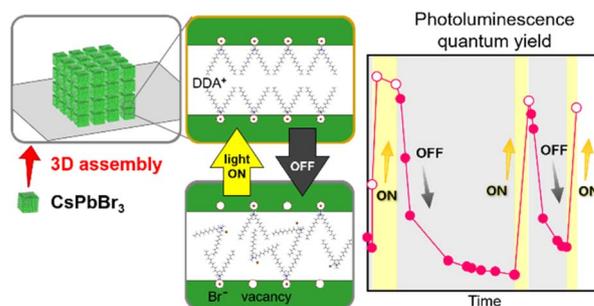


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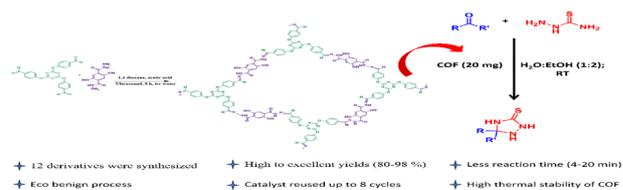
Shota Hashimoto, Hiroto Watanabe, Yoshiki Iso, Yuya Oaki, Tetsuhiko Isobe and Hiroaki Imai\*



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Pankaj Teli, Shivani Soni, Sunita Teli and Shikha Agarwal\*

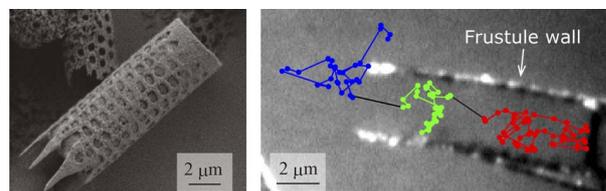


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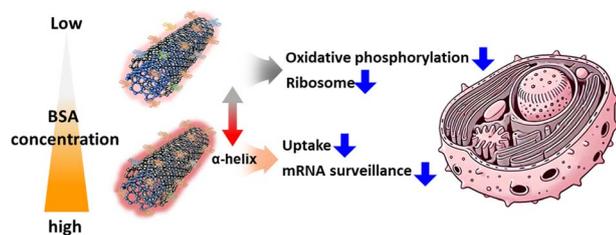
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**Diffusion of individual nanoparticles in cylindrical diatom frustule**

Naoki Tomioka,\* Yusaku Abe and Yu Matsuda\*



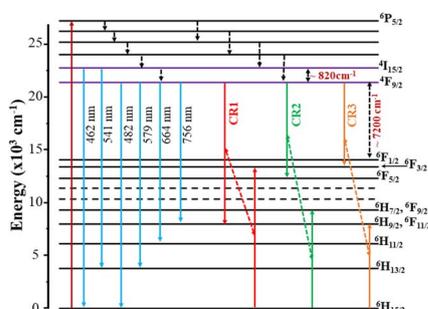
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Sun Young Lee, Jae Won Choi, Tae Geol Lee,\*  
Min Beom Heo\* and Jin Gyeong Son\*

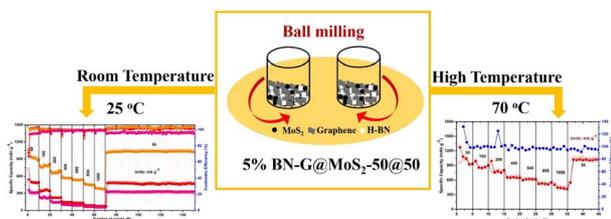
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N. T. Hien, N. T. Kien, V. H. Yen, T. Ngoc, P. V. Do,  
V. X. Phuc and N. X. Ca\*

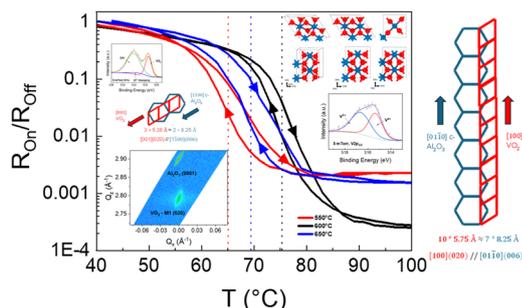
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### A 2D hybrid nanocomposite: a promising anode material for lithium-ion batteries at high temperature

Bongu Chandra Sekhar, Abdelrahman Soliman,  
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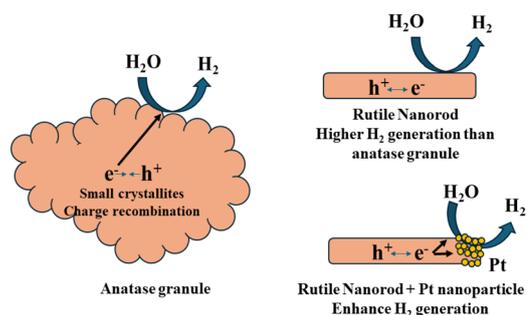
Aditya Kamat, Gurukrishna K., Rishow Kumar,  
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Ashish Garg and Shikhar Misra\*



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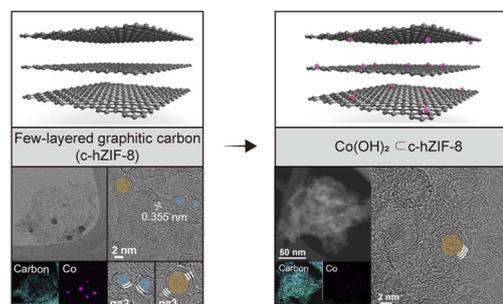
Ankur Yadav, Vivek Kumar Agrahari, Yuriy Pihosh, Mamiko Nakabayashi, Wojciech Nogala, Balendu Sekhar Giri, Kazunari Domen, Daya Shankar Pandey,\* Bhavana Gupta\* and Subha Sadhu\*



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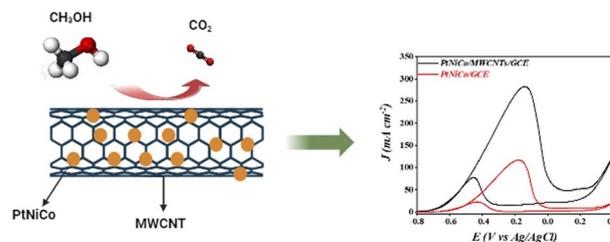
Eun Jin Cho, Bo-Min Kim, WooYeon Moon, Dong Gyu Park, Young-Wan Ju, Won Ho Choi\* and Jeeyoung Shin\*



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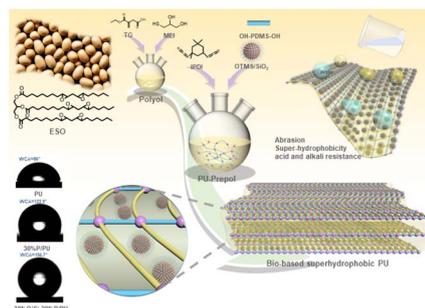
Merve Akin, Anas El Attar, Ramazan Bayat, Muhammed Bekmezci, Badr Bouljoihel, Mama El Rhazi and Fatih Sen\*



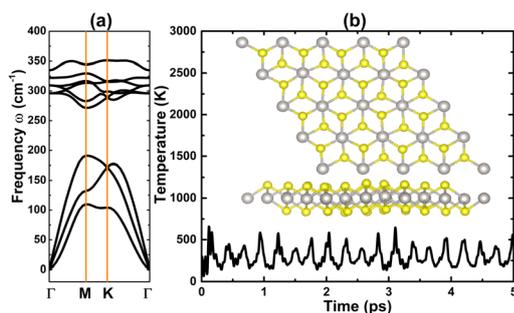
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Junming Huang, Genzheng Sha, Minghui Cui, Mengqiu Quan, Yuqing Wang, Yao Lu,\* Jin Zhu and Jing Chen\*



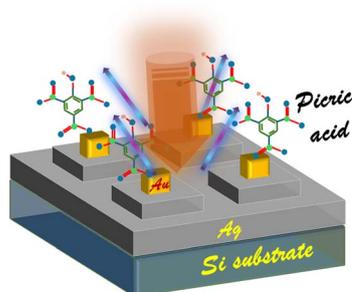
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Nguyen Thanh Tien, J. Guerrero-Sanchez and D. M. Hoat\*

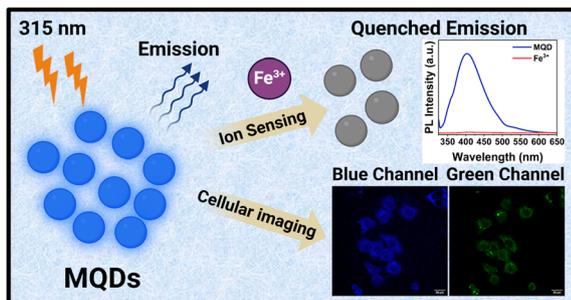
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Anand M. Shrivastav, Mohammad Abutoama and Ibrahim Abdulhalim\*

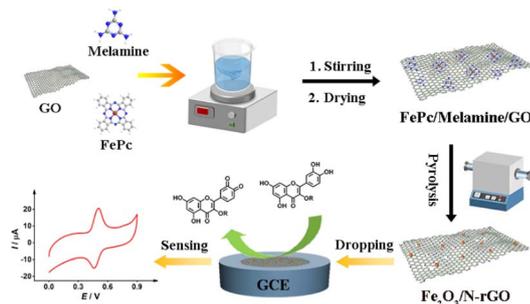
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Vishakha Takhar, Simranjit Singh, Superb K. Misra and Rupak Banerjee\*

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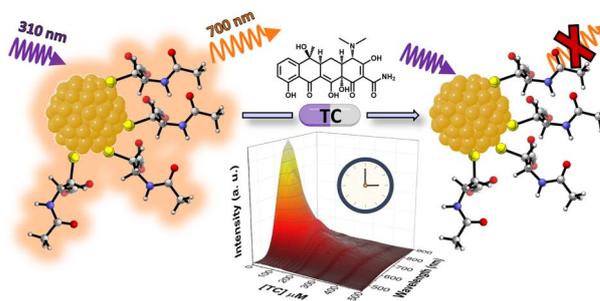
Zhuzhen Chen, Tingting Zhang, Xue Zhang, Wangxing Cheng,\* Linwei Chen\* and Nannan Lu\*



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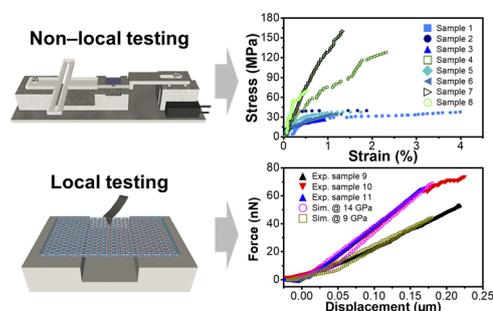
Miguel Justo-Tirado, Irene Pérez-Herráez, Jorge Escorihuela, Raúl Arenal, Elena Zaballos-García\* and Julia Pérez-Prieto\*



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Noor Zulfiqar,\* Monireh Shariatipour and Fawad Inam

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N. Kameta,\* Y. Kikkawa and Y. Norikane

