

# Nanoscale Advances

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See Giuliana Grasso, Loretta L. del Mercato *et al.*, pp. 4311–4336. Image reproduced by permission of Anil Chandra from *Nanoscale Adv.*, 2023, 5, 4311.



### Inside cover

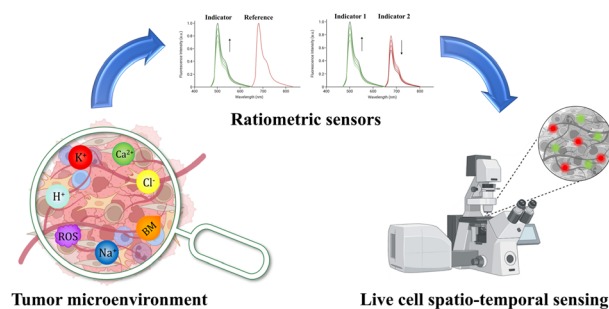
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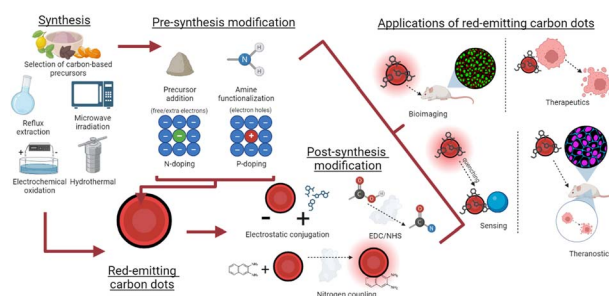
Giuliana Grasso,\* Francesco Colella, Stefania Forciniti, Valentina Onesto, Helena Luele, Anna Chiara Siciliano, Federica Carnevali, Anil Chandra, Giuseppe Gigli and Loretta L. del Mercato\*



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### Red emitting carbon dots: surface modifications and bioapplications

Dawson Benner, Pankaj Yadav and Dhiraj Bhatia\*



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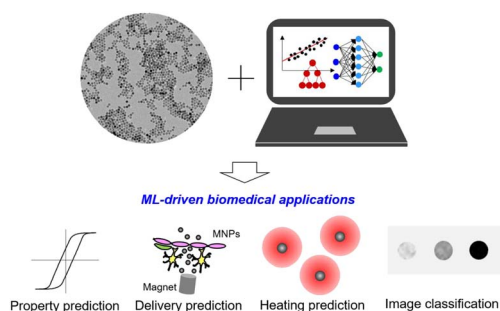


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## Machine learning assisted-nanomedicine using magnetic nanoparticles for central nervous system diseases

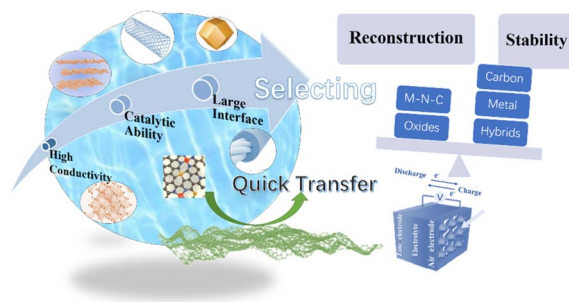
Asahi Tomitaka,\* Arti Vashist, Nagesh Kolishetti and Madhavan Nair\*



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Wanqi Tang, Jiarong Mai, Lili Liu,\* Nengfei Yu,\* Lijun Fu, Yuhui Chen, Yankai Liu, Yuping Wu\* and Teunis van Ree

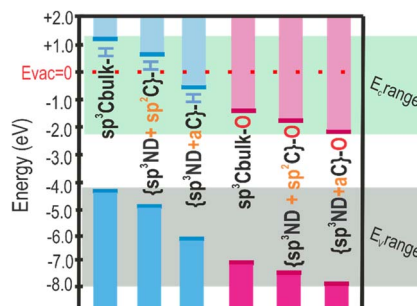


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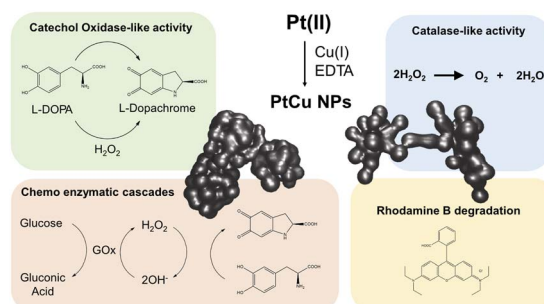
Daria Miliuteva,\* Aurelien Sokeng Djoumessi, Jan Čermák, Kateřina Kolářová, Maximilian Schaal, Felix Otto, Ekaterina Shagieva, Olexandr Romanyuk, Jiří Pangrác, Jaroslav Kuliček, Vojtech Nádaždy, Štěpán Stehlík, Alexander Kromka, Harald Hoppe and Bohuslav Rezek



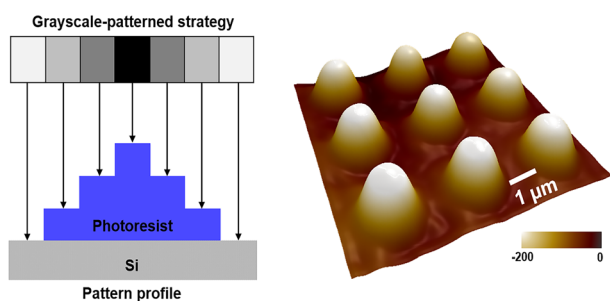
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## Copper(I) as a reducing agent for the synthesis of bimetallic PtCu catalytic nanoparticles

Adrián Fernández-Lodeiro,\* Javier Fernández Lodeiro, Noelia Losada-Garcia, Silvia Nuti, José Luis Capelo-Martinez, Jose M. Palomo\* and Carlos Lodeiro\*



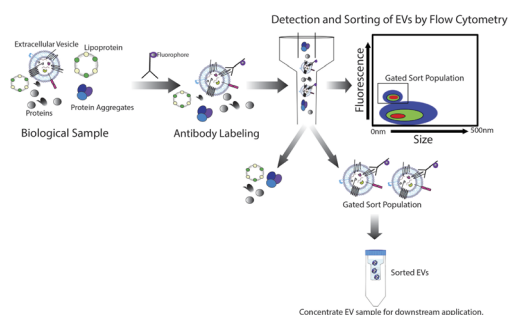
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Dandan Han, Tianchun Ye\* and Yayi Wei\*

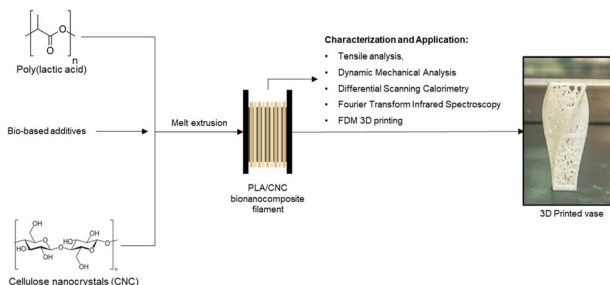
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Karan Khanna, Nikki Salmond, Sina Halvaei, Andrew Johnson and Karla C. Williams\*

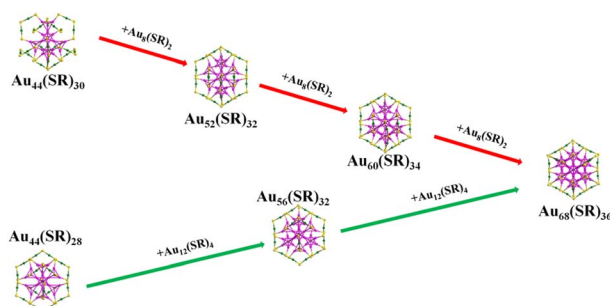
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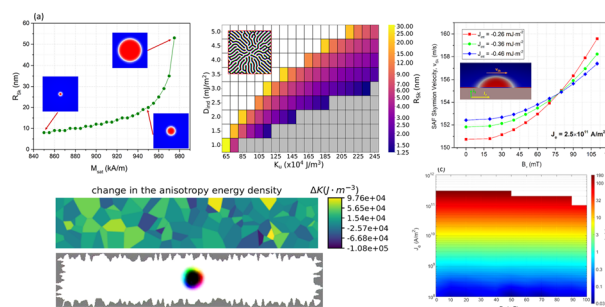
Wenhua Han, Gang Wang, Pengye Liu, Wenliang Li\* and Wen Wu Xu\*



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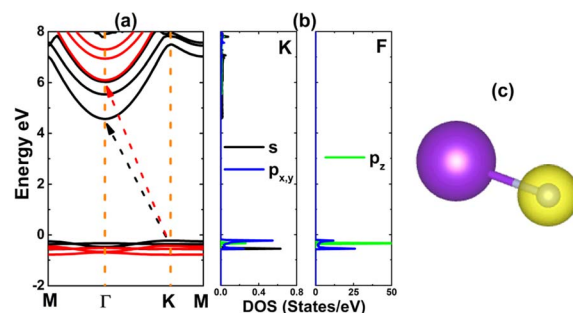
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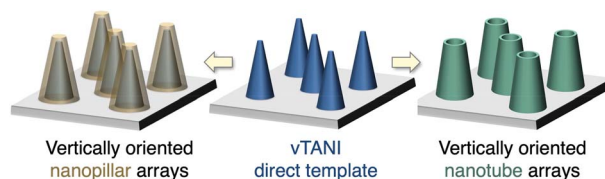
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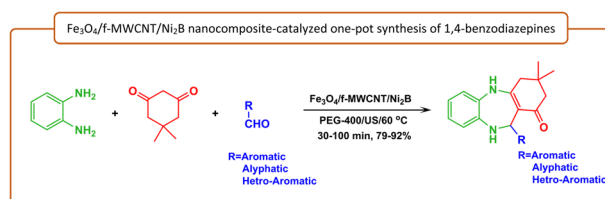
Bohao Xu, Di Wu, Ian M. Hill, Merissa Halim, Yves Rubin and Yue Wang\*



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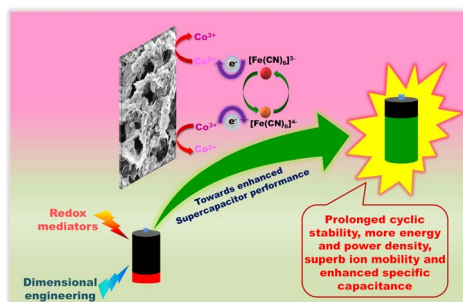
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Farkhondeh Mohammad Aminzadeh and Behzad Zeynizadeh\*





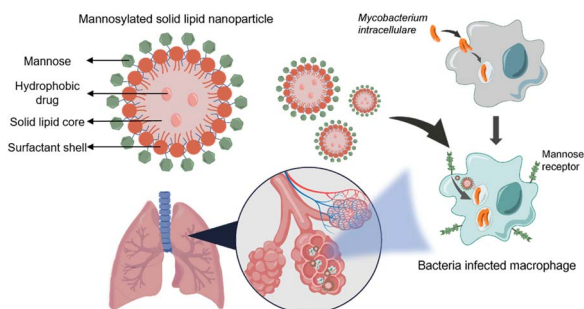
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Ritik Mohanty, Kaushik Parida\* and Kulamani Parida\*

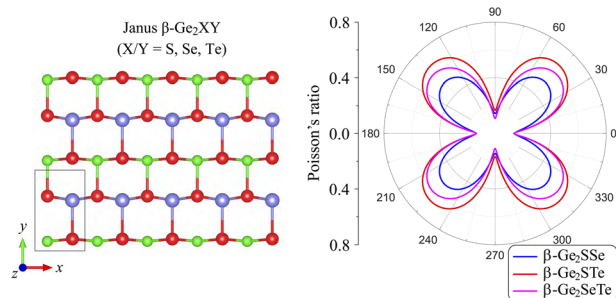
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Jayoung Chae, Seung Hyun Kang, Jiwon Kim, Yonghyun Choi,\* Shin Hyuk Kang\* and Jonghoon Choi\*

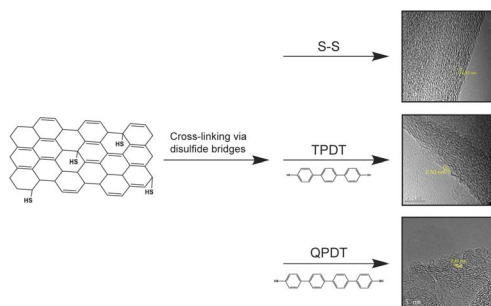
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Nguyen Dinh Hien, D. V. Lu\* and Le C. Nhan

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Nikita Sugak,\* Hien Pham, Abhaya Datye, Shomeek Mukhopadhyay, Haiyan Tan, Min Li and Lisa D. Pfefferle

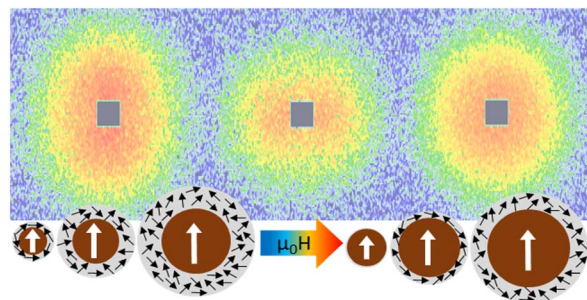


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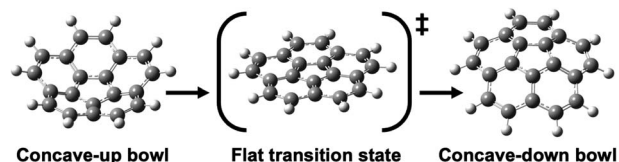
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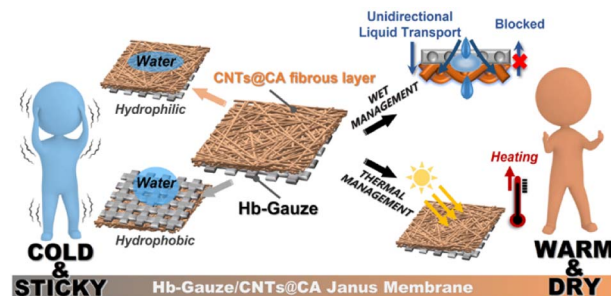
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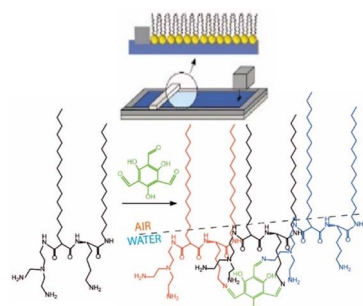
Boyang Tian, Miaomiao Hu, Yiwen Yang and Jing Wu\*



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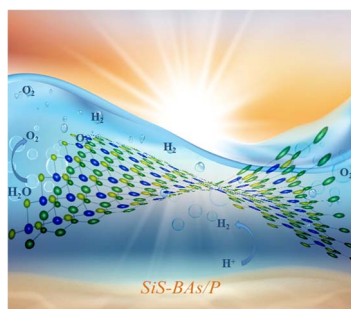
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Cristina Stefaniu, Christian Wölk,\* Victoria M. Latza, Andrei Chumakov, Gerald Brezesinski and Emanuel Schneck\*



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### First-principles study of BX–SiS (X = As, P) van der Waals heterostructures for enhanced photocatalytic performance

Sheraz Ahmad, H. U. Din,<sup>\*</sup> S. S. Ullah Sabir and B. Amin

## CORRECTION

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### Correction: Flavin-adenine-dinucleotide gold complex nanoparticles: chemical modeling design, physico-chemical assessment and perspectives in nanomedicine

Celia Arib, Nadia Bouchemal, Maria Barile, Didier Paleni, Nadia Djaker, Nathalie Dupont and Jolanda Spadavecchia<sup>\*</sup>

