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See Shunya Sakane, Hideki Tanaka *et al.*, pp. 3299–3305. Image reproduced by permission of Shunya Sakane and Hideki Tanaka from *Nanoscale Adv.*, 2024, 6, 3299. Image created by Takashi Tsujino.



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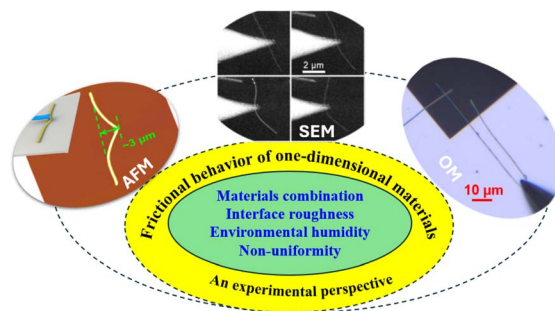
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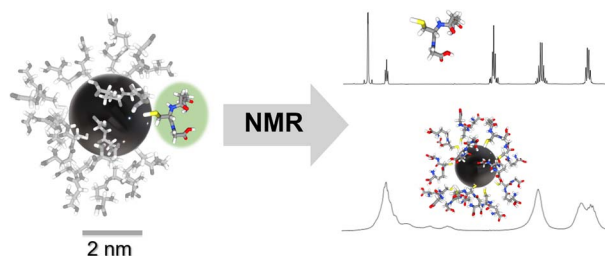


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Possibilities and limitations of solution-state NMR spectroscopy to analyze the ligand shell of ultrasmall metal nanoparticles

Natalie Wolff, Christine Beuck, Torsten Schaller and Matthias Eppe*



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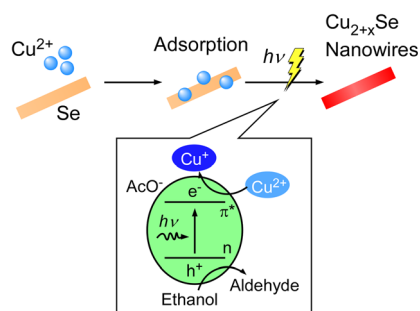
**Fundamental questions
Elemental answers**

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Precise synthesis of copper selenide nanowires with tailored Cu vacancies through photo-induced reduction for thermoelectric applications

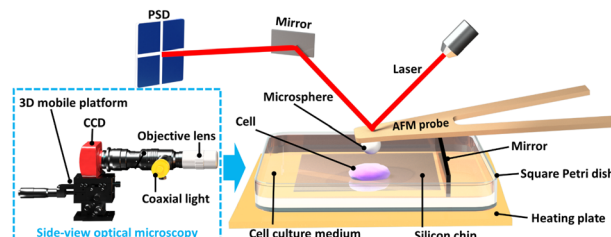
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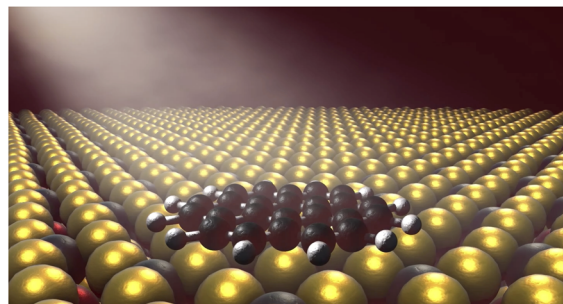
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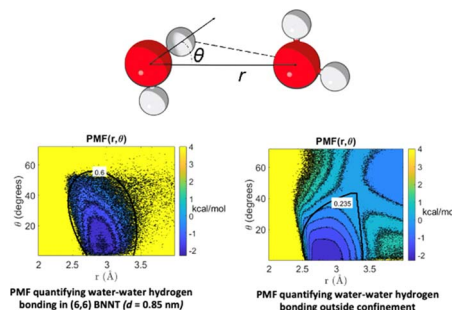
Alberto M. Ruiz, Gonzalo Rivero-Carracedo, Andrey Rybakov, Sourav Dey and José J. Baldovi*



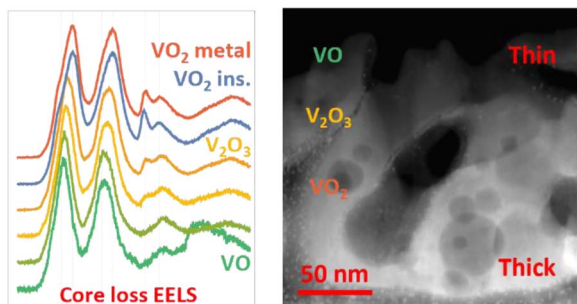
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Strength, number, and kinetics of hydrogen bonds for water confined inside boron nitride nanotubes

Bhargav Sai Chava and Siddhartha Das*



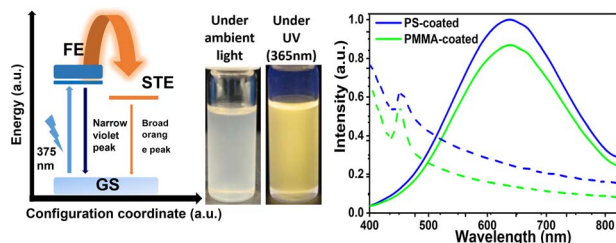
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Jan Krpenský, Michal Horák, Jiří Kabát, Jakub Planer, Peter Kepič, Vlastimil Křápek* and Andrea Konečná*

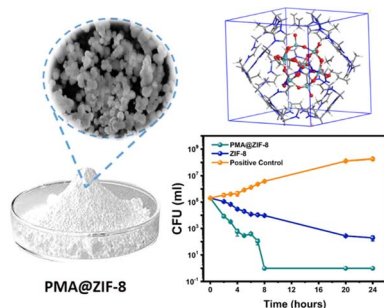
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Steevanson Bayer, Jason Ho Yin Yu and Stefan Nagl*

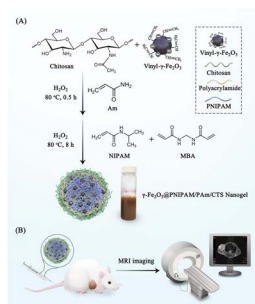
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Enhancing MRI through high loading of superparamagnetic nanogels with high sensitivity to the tumor environment

Jinfeng Liao, Liangyu Zhou, Yongzhi Wu, Zhiyong Qian and Pei Li*

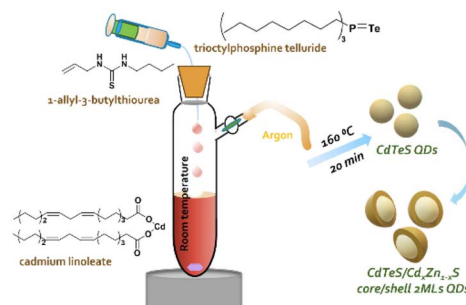


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Disubstituted thiourea as a suitable sulfur source in the gram-scale synthesis of yellow- and red-emitting CdTeS/Cd_xZn_{1-x}S core/shell quantum dots

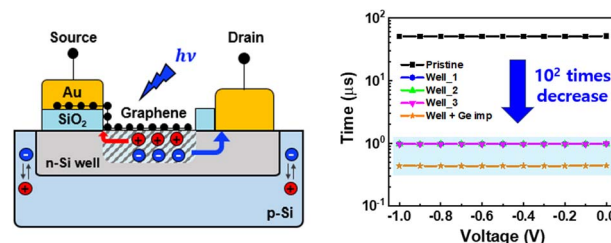
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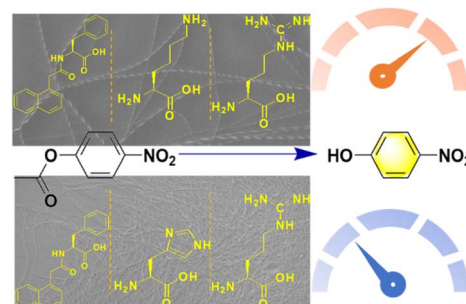
Min Gyu Kwon, Cihyun Kim, Seung-Mo Kim, Tae Jin Yoo, Yongsu Lee, Hyeon Jun Hwang, Sanghan Lee^{*} and Byoung Hun Lee^{*}



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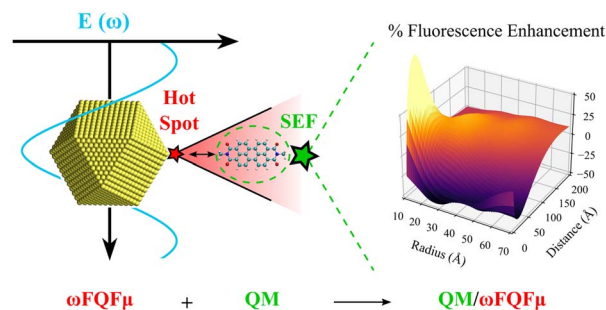
Ruchika Bassan, Biplab Mondal, Mayank Varshney and Subhasish Roy^{*}



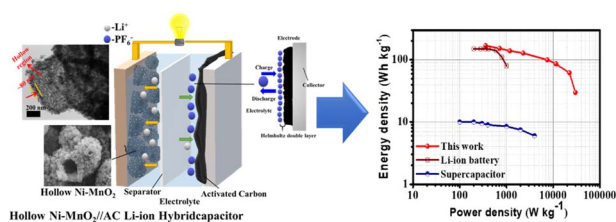
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Pablo Grobas Illobre, Piero Lafiosca, Teresa Guidone, Francesco Mazza, Tommaso Giovannini^{*} and Chiara Cappelli^{*}



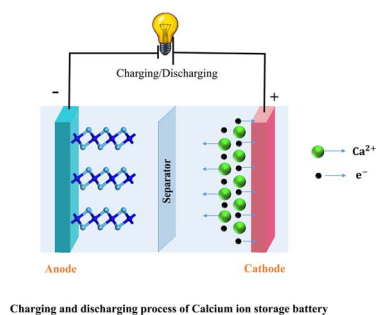
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Hierarchical hollow porous structures of nickel-doped λ -MnO₂ anodes for Li-ion energy storage systems

Venugopal Nulu, Arunakumari Nulu and Keun Yong Sohn*

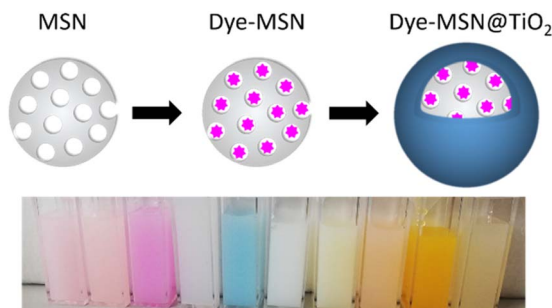
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Tanvir Ahmed, Afiya Akter Piya and Siraj Ud Daula Shamim*

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Titania-mediated stabilization of fluorescent dye encapsulation in mesoporous silica nanoparticles

Laura Spitzmüller,* Jonathan Berson, Fabian Nitschke, Thomas Kohl and Thomas Schimmel

