RSC Applied Interfaces

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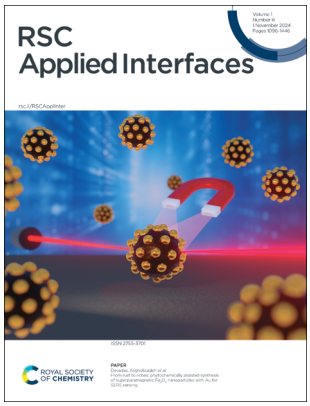
N/A CODEN RAISCD 1(6) 1096–1446 (2024)



Cover
See Devadas, Aligholizadeh *et al.* pp. 1129–1141.
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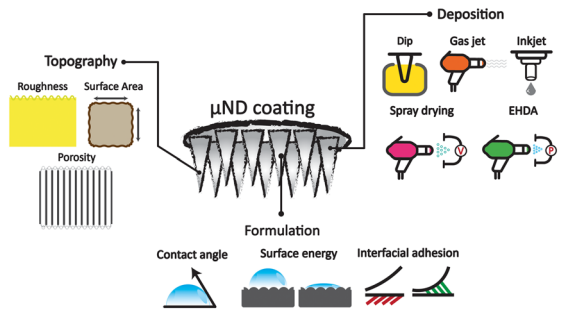
Image taken from vecteezy.com

REVIEW



Topographical characteristics of 3D printed polymeric microneedle surface and its impact on coating formulation attributes

Masood Ali, Yanling Yang, Ayyah Abdoh and Yousuf Mohammed*

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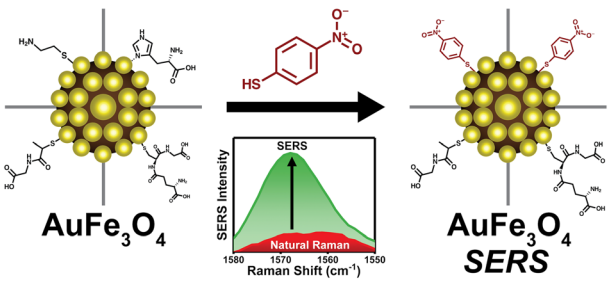

From rust to riches: phytochemically assisted synthesis of superparamagnetic Fe_3O_4 nanoparticles with Au for SERS sensing

Dariush Aligholizadeh, Landon Bechdel, Mansoor Johnson, Vera Smolyaninova and Mary Sajini Devadas*

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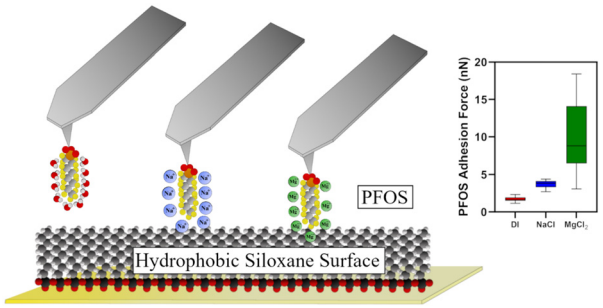

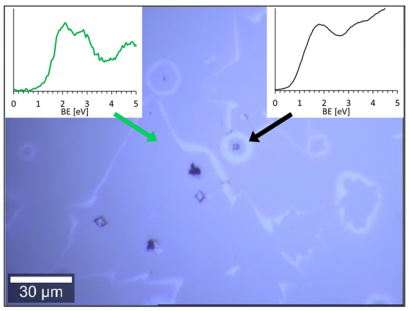

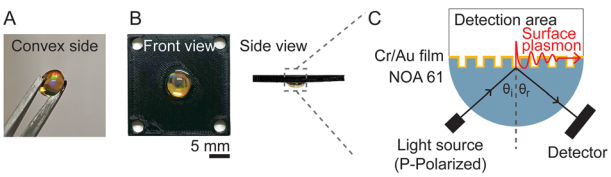

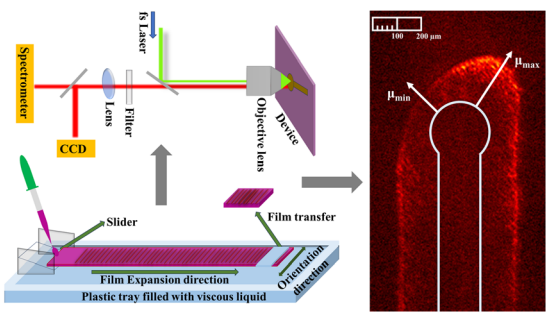

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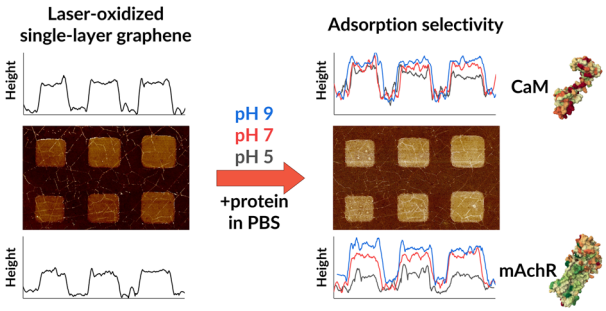

Non-covalent adsorption of neurotransmission-relevant proteins on locally laser-oxidized and pristine graphene

Aku Lampinen, Johanna Schirmer, Aleksei Emelianov, Andreas Johansson and Mika Pettersson*

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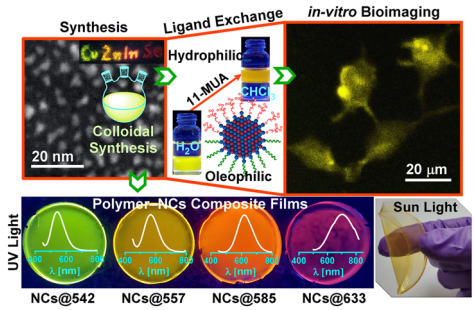

Colloidal synthesis of emission-tunable Cu-doped Zn–In–Se/ZnSe core/shell nanocrystals for lighting and bioimaging applications

Joicy Selvaraj, Arun Mahesh, Arunkumar Dhayalan, Vaseeharan Baskaralingam, Saravanan Rajendran, Miguel Ángel Gracia Pinilla and Thangadurai Paramasivam*

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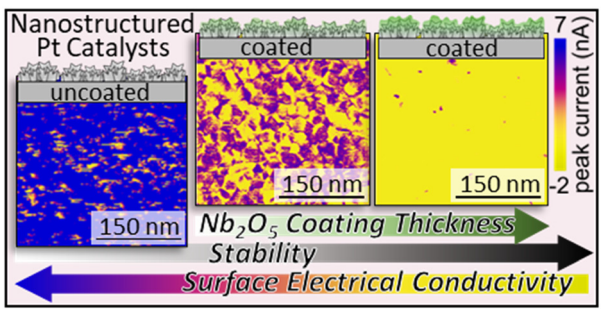

Niobium oxide coatings on nanostructured platinum electrocatalysts: benefits and limitations

Annabelle M. K. Hadley, Sakshi Gautam and Byron D. Gates*

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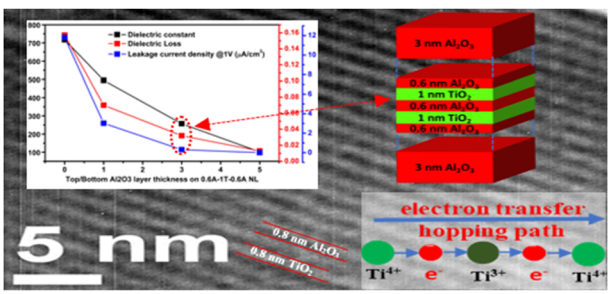

Engineering Maxwell–Wagner relaxation and interface carrier confinement in Al_2O_3/TiO_2 subnanometric laminates for high-density energy storage applications

Partha Sarathi Padhi,* Sanjay K. Rai, R. S. Ajimsha and Pankaj Misra*

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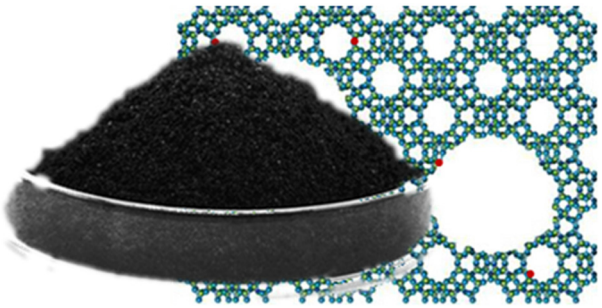

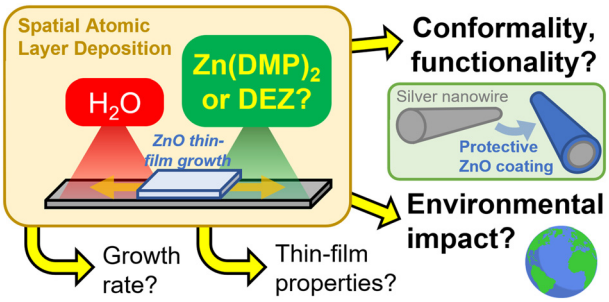

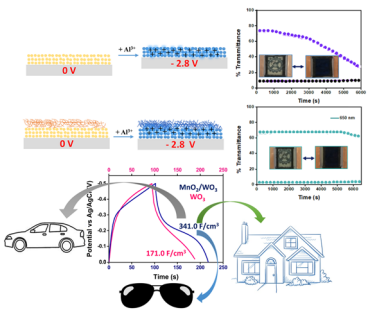

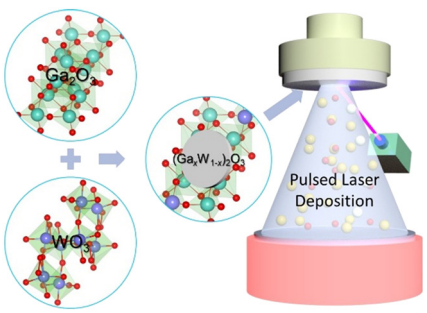

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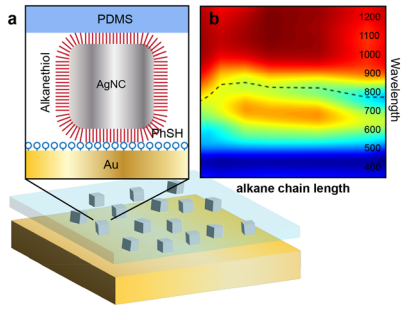

Probing Raman enhancements for a colloidal metasurface with optical gap distances in the quantum regime

Yuan Zeng, Yu Xie, Andrea L. Rodarte, Tyler J. Dill and Andrea R. Tao*

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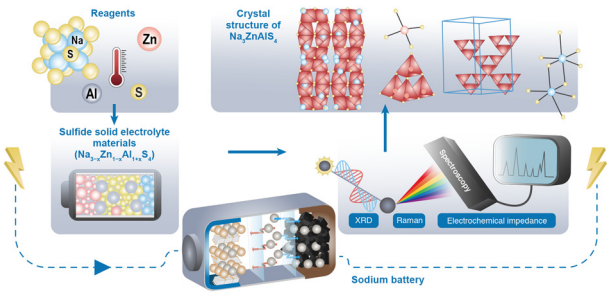

Preparation and characterization of new solid electrolytes $Na_{3-x}Zn_{1-x}Al_{1+x}S_4$

Tomoya Otono, Hamdi Ben Yahia, Chie Hotehama, Kota Motohashi, Atsushi Sakuda* and Akitoshi Hayashi*

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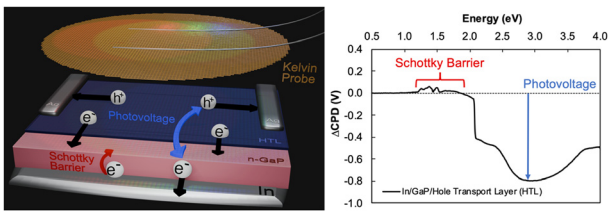

Surface photovoltage predicts open circuit voltage in GaP/PEDOT:PSS and GaP/CuSCN heterojunction solar cells

Anna C. Kundmann,* Kathleen Becker and Frank E. Osterloh*

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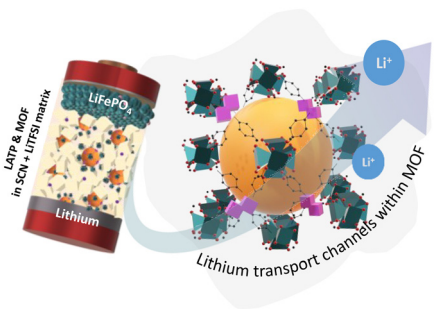

Metal–organic frameworks as conductivity enhancers for all-solid-state lithium batteries

Shruti Suriyakumar, Rohit M. Manoj, Sreelakshmy K. Jayaprakash, Sreelakshmi Anil Kumar, Keerthy P. Sudhakaran, Vinesh Vijayan and Manikoth M. Shaijumon*

CORRECTION

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Correction: Metal–organic frameworks as conductivity enhancers for all-solid-state lithium batteries

Shruti Suriyakumar, Rohit M. Manoj, Sreelakshmy K. Jayaprakash, Sreelakshmi Anil Kumar, Keerthy P. Sudhakaran, Vinesh Vijayan and Manikoth M. Shaijumon*