RSC Applied Interfaces

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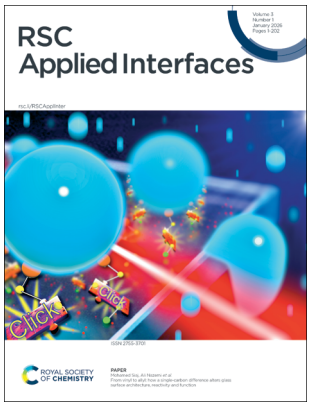

Cover
See Mohamed Siaj, Ali Nazemi *et al.*, pp. 45–60.
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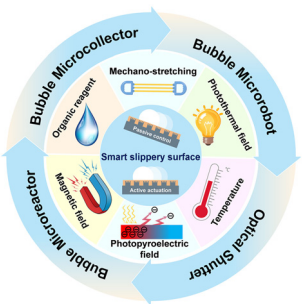

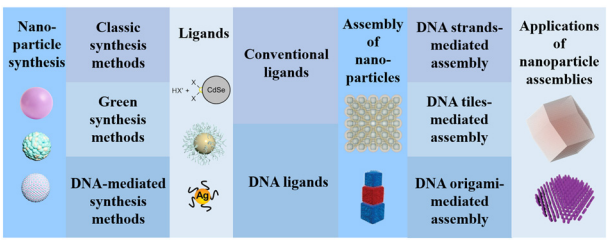

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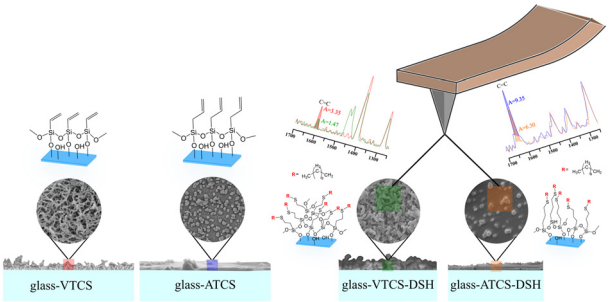

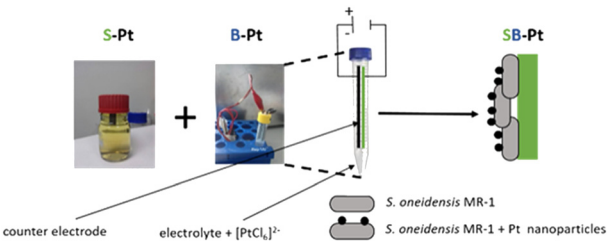

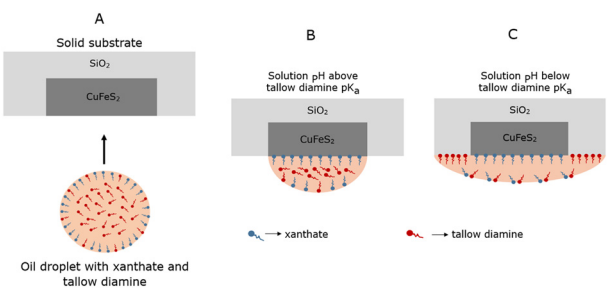

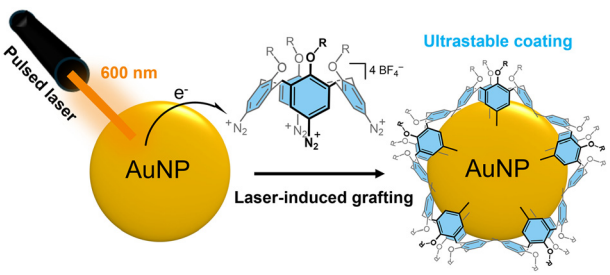

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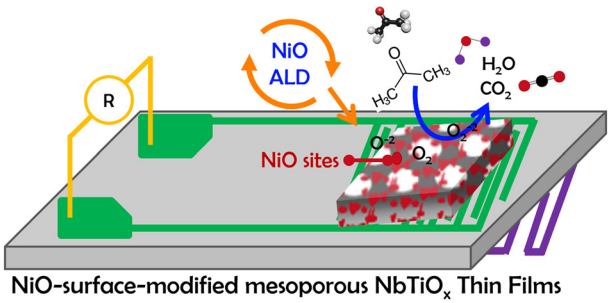

Chemoresistive properties of NiO surface-modified Nb-doped TiO_2 mesoporous thin films

Muhammad Hamid Raza,* Simona Crispi, Estelle Jozwiak, Marvin Frisch, Ralph Kraehnert, Rutger Schlatmann, Daniel Amkreutz, Giovanni Neri and Nicola Pinna

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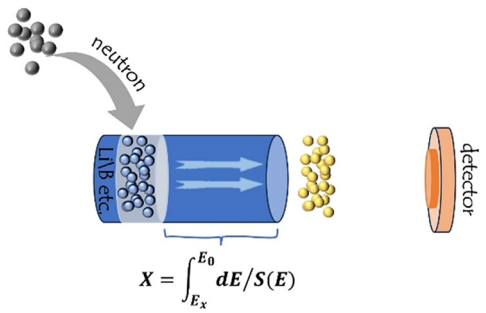

Precise measurement of ultrathin film thickness *via* a neutron capture reaction

Liang Zhao, Caijin Xiao,* Yonggang Yao, Xiaoyu Xu, Wei Wang, Xiangchun Jin, Yu Zhang, Guojian Guo and Wenxu Zhong

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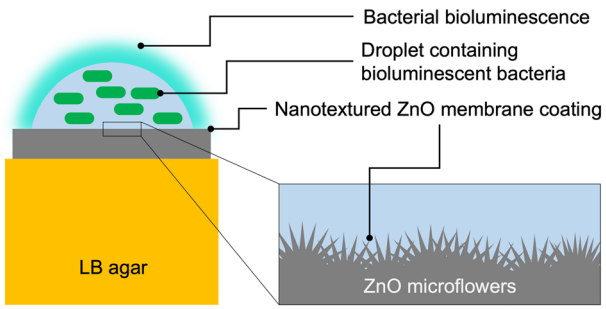

Bacterial bioluminescence shows nanotexturing does not enhance antibacterial efficacy of zinc oxide membrane coatings

Nicholas Lin Geoffrey McKay, Dao Nguyen, Nathalie Tufenkji* and Christopher Moraes*

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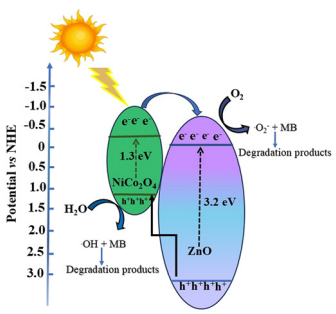

Synthesis of binary $NiCo_2O_4$/ZnO composites as efficient photocatalysts for methylene blue degradation under visible light

Prathibha C. P., Yashaswini D., Indhushree P., Lavanya M. R. and Srinivas Mallapur*

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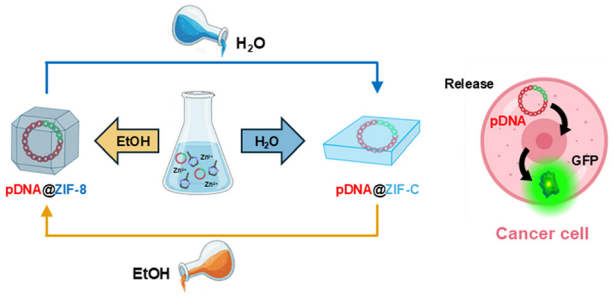

Solvent-driven sod-ZIF-8 ↔ ZIF-C phase transformation preserves nucleic acid functionality for gene delivery

Shakil Ahmed Polash, Arpita Poddar, Francesco Carraro, Gary Bryant, Paolo Falcaro* and Ravi Shukla*

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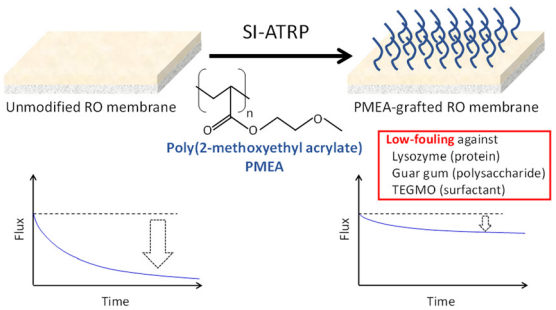

Fabrication of low-fouling reverse osmosis membranes by grafting poly(2-methoxyethyl acrylate) *via* surface-initiated atom transfer radical polymerization method

Ines Haddar, Tomoki Kato, Shin-ichi Nakao, Xiao-lin Wang, Kazumi Tsukamoto, Takahiro Kawakatsu and Kazuki Akamatsu*