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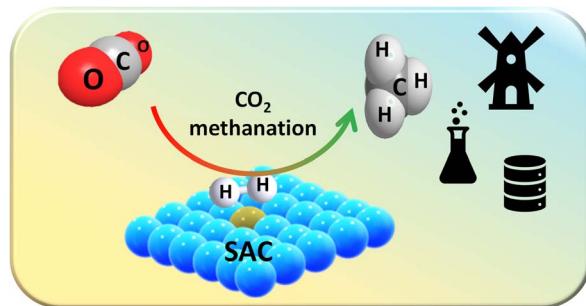
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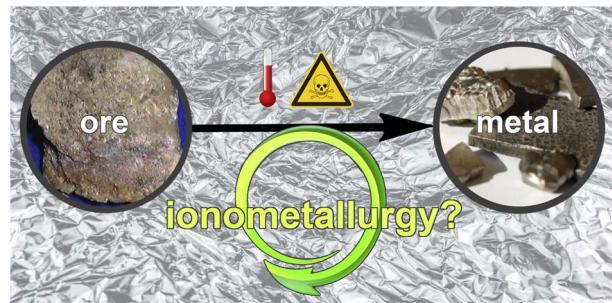
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Janine Richter and Michael Ruck*



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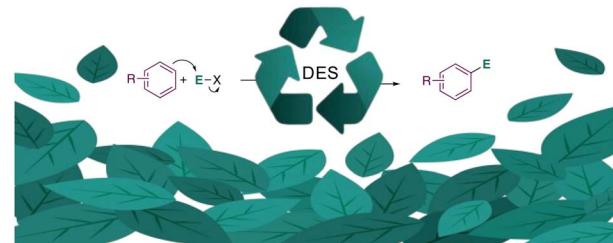


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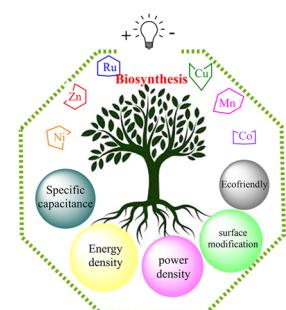
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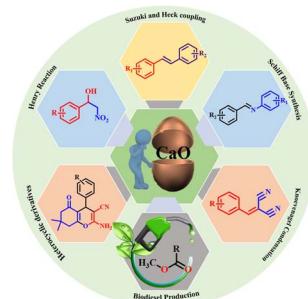
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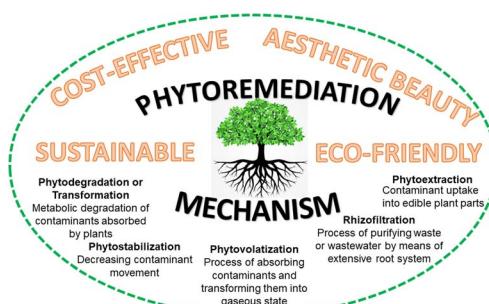
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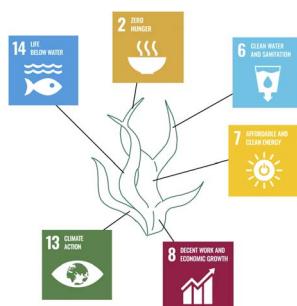
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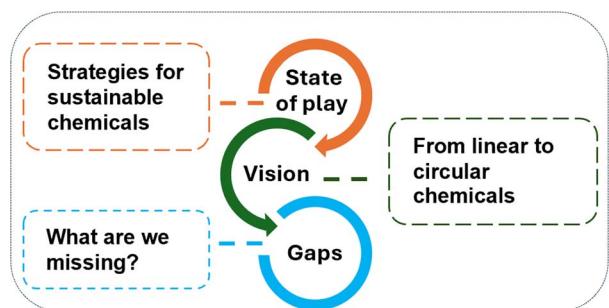
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Thomas Freese, Nils Elzinga, Matthias Heinemann, Michael M. Lerch* and Ben L. Feringa*

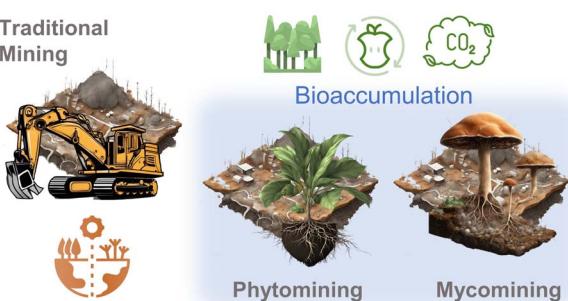
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Mitchell P. Jones* and Alexander Bismarck*

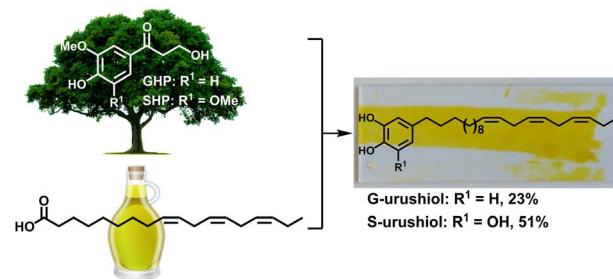


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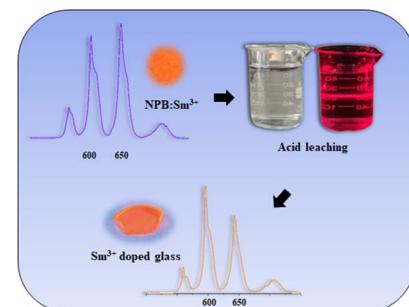
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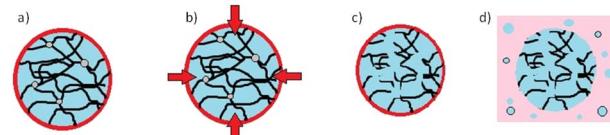
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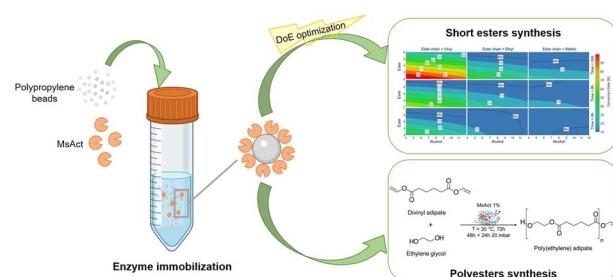
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***Mycobacterium smegmatis* acyltransferase catalyzes the synthesis of esters and polyesters**

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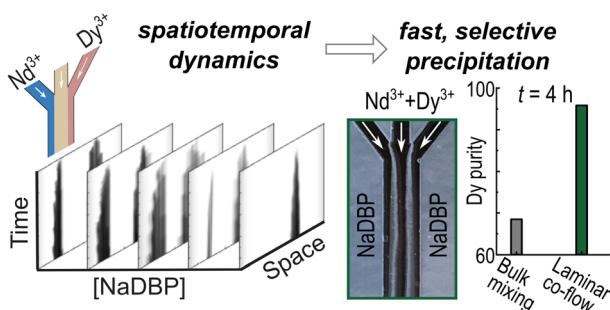
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The role of FAIR nanosafety data and nanoinformatics in achieving the UN sustainable development goals: the NanoCommons experience

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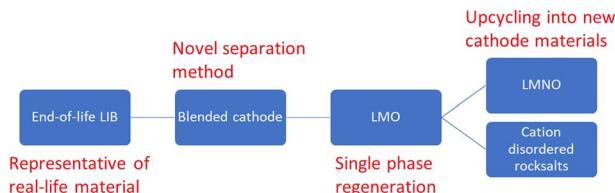
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Flow-driven enhancement of neodymium and dysprosium separation from aqueous solutions

Qingpu Wang and Chinmayee V. Subban*

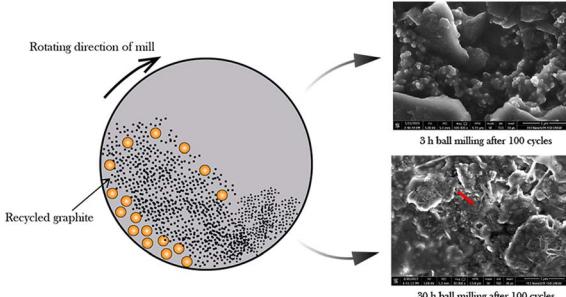
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Upcycling of low value end-of-life cathode material into next generation cathode materials

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Jian Peng, Stefanie Maslek and Neeraj Sharma*



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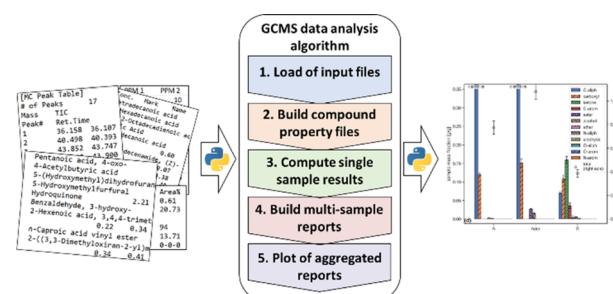
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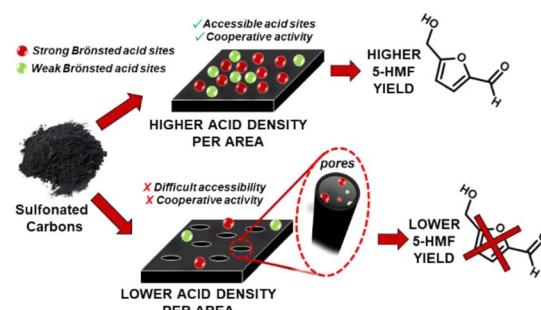
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Tailored sulfonated carbons: unraveling enhanced catalytic dynamics for fructose dehydration under conventional and microwave heating

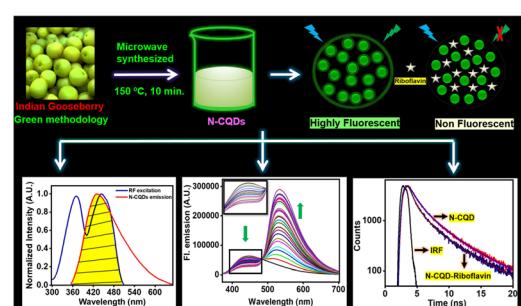
Gabrielle Mathias Reis, Letícia Ferreira Lima Machado, Renan Silva Nunes, Dalmo Mandelli and Wagner Alves Carvalho*



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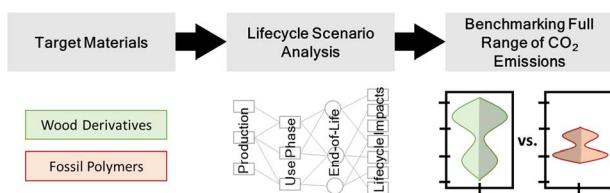
Green transformation of biomass-derived Indian gooseberry into fluorescent intrinsic nitrogen-functionalized carbon quantum dots for real-time detection of vitamin B₂ in the nanomolar range

Mandeep Kaur, Mily Bhattacharya* and Banibrata Maity*



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Unraveling the climate neutrality of wood derivatives and biopolymers

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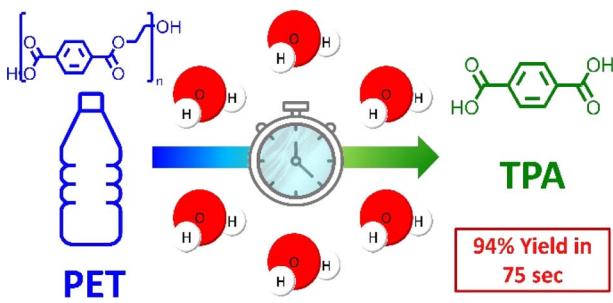
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Eggshell incorporated agro-waste adsorbent pellets for sustainable orthophosphate capture from aqueous media

Bernd G. K. Steiger, Nam T. Bui, Bolanle M. Babalola and Lee D. Wilson*

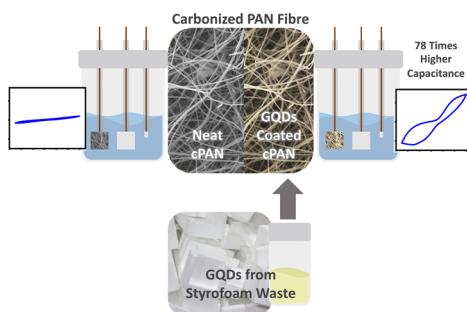
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Fast hydrolysis for chemical recycling of polyethylene terephthalate (PET)

Patrícia Pereira, Willem Slear, Angelo Testa, Kevin Reasons, Peter Guirguis, Phillip E. Savage* and Christian W. Pester*

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GQD-PAN-based high-performance supercapacitor: an approach towards wealth from waste

Dheeraj Kumar, Ekta Vashishth, Sweety Rani, Advitiya Kumar, Bhanu Nandan, Supreet Singh Bahga and Rajiv K. Srivastava*

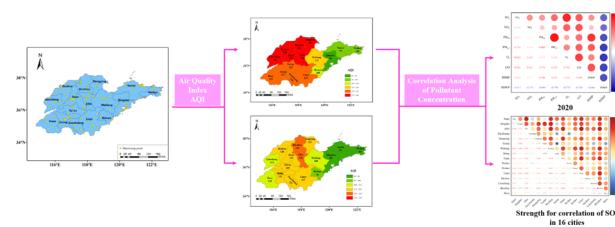


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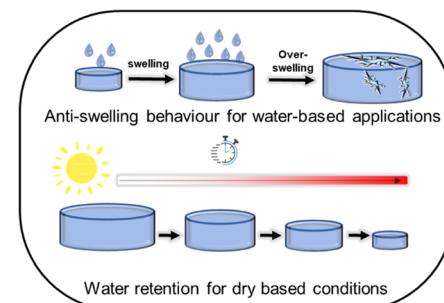
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Cellulose nanocrystal-mediated enhancement of hydrogel anti-swelling and water retention

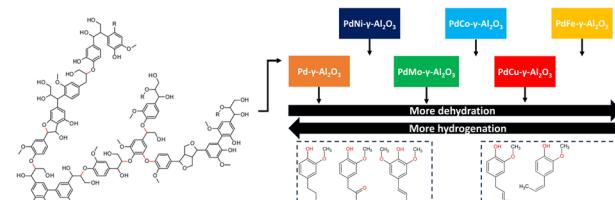
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Enhancing the performance of heterogeneous palladium based catalysts in the mild reductive depolymerization of soda lignin through addition of a non-noble metal and tuning of the preparation strategy

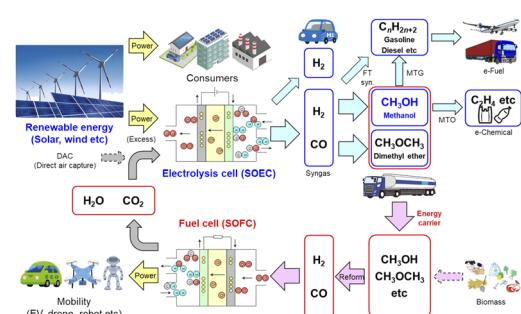
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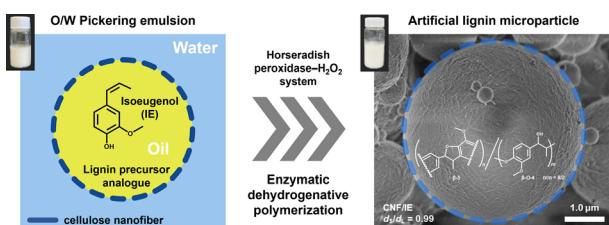
Co-electrolysis SOEC and internal reforming SOFC for achieving a carbon-neutral society

Hirofumi Sumi*



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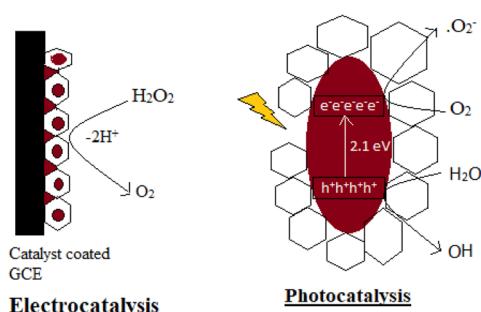
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Synthesis and structural design of microspheres comprising cellulose nanofibers and artificial lignin polymer by enzyme-mediated Pickering emulsion templating

Yuna Tanaka, Qi Li, Mayumi Hatakeyama and Takuya Kitaoka*

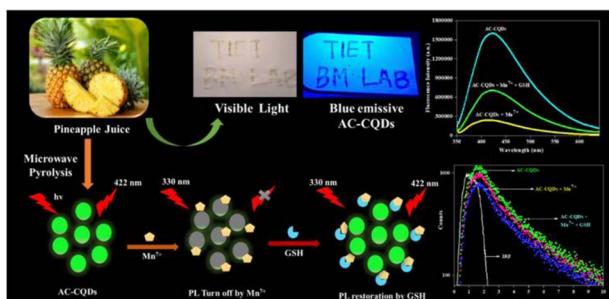
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Synthesis of a high dielectric constant graphene supported iron oxide and its electrocatalytic activity in a H_2O_2 fuel cell and as an efficient photocatalyst

Madhavi D. Shete* and J. B. Fernandes

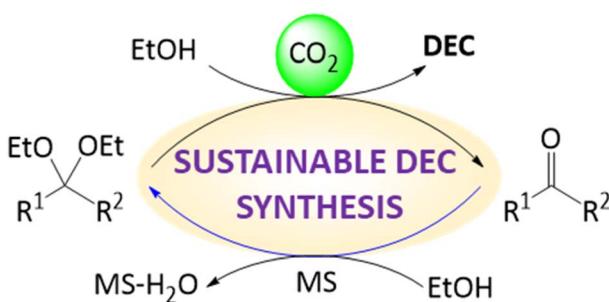
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Sustainable synthesis of carbon dots from *Ananas Comosus* as renewable biomass: nanomolar level detection of glutathione

Mallika Phull, Armaad Ali and Banibrata Maity*

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Sustainable synthesis of diethyl carbonate from carbon dioxide and ethanol featuring acetals as regenerable dehydrating agents

Wahyu S. Putro, Seiichiro Ijima, Seiji Matsumoto, Satoshi Hamura, Mizuho Yabushita, Keiichi Tomishige, Norihisa Fukaya* and Jun-Chul Choi*

