

RSC Sustainability

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See Michael A. R. Meier *et al.*, pp. 291–299. Image reproduced by permission of Michael A. R. Meier from *RSC Sustainability.*, 2025, 3, 291.



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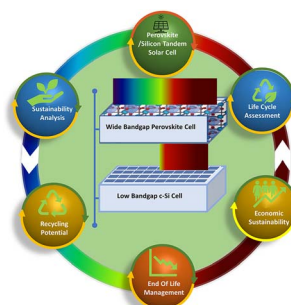
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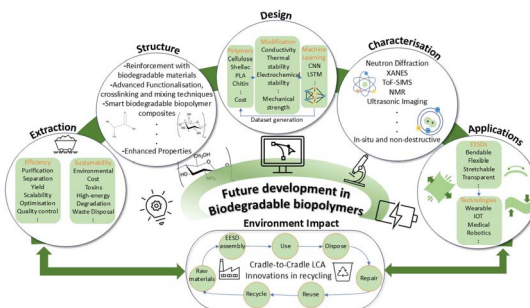
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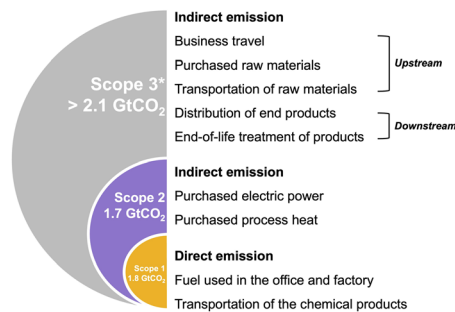
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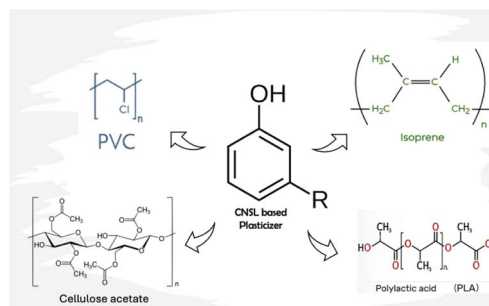
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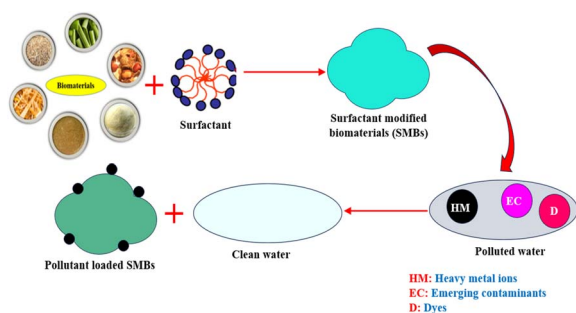
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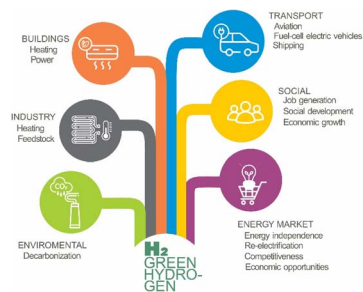
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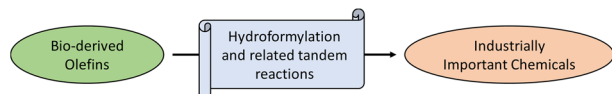
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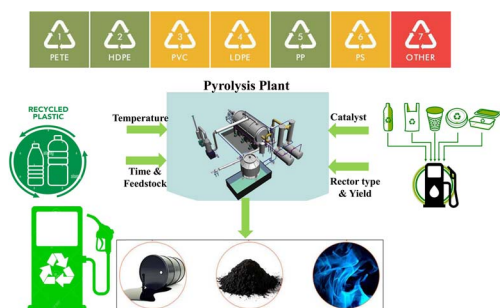
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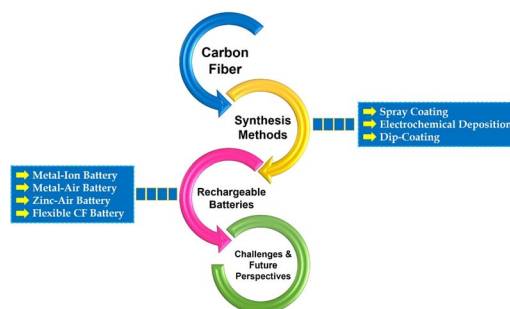


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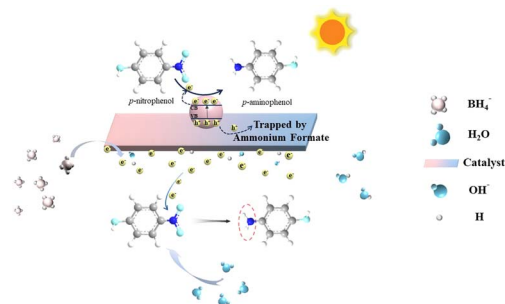
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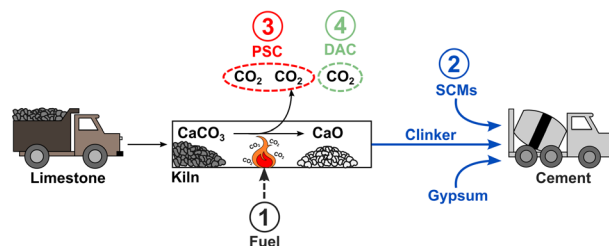


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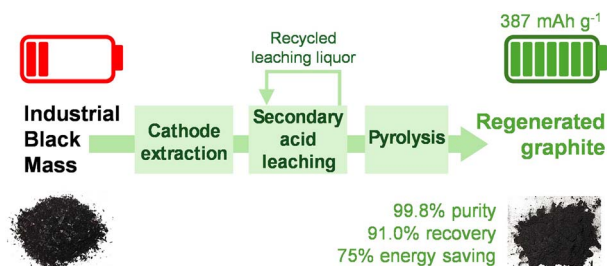


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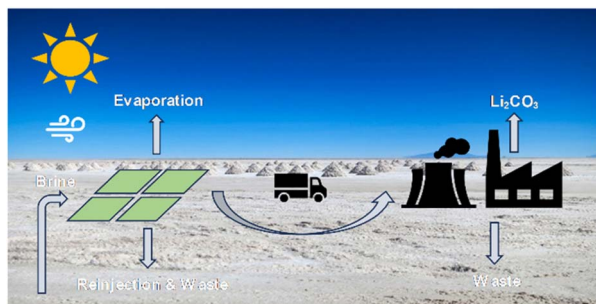
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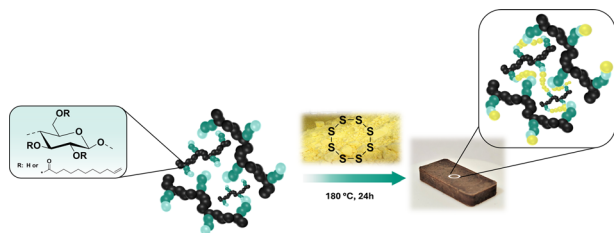
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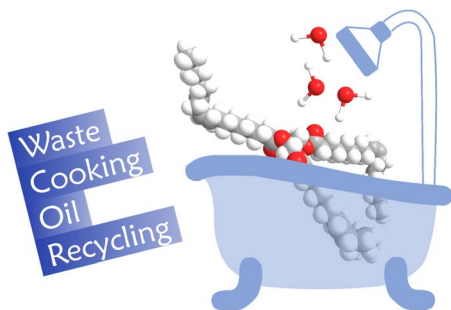
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High sulfur content composite materials from renewable fatty acid cellulose esters (FACES) via inverse vulcanization

Timo Sehn, Julian Fanelli, Lisa Wahl and Michael A. R. Meier*

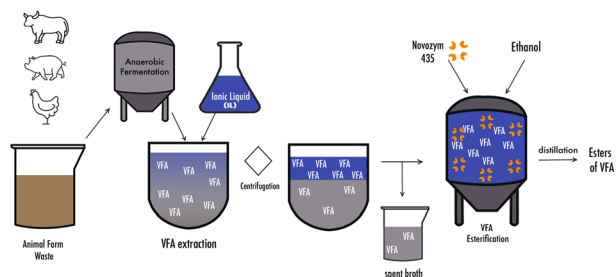
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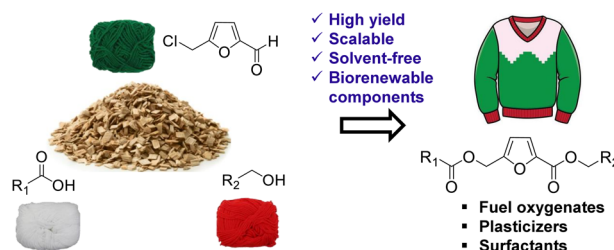
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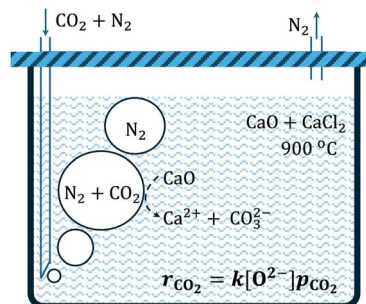
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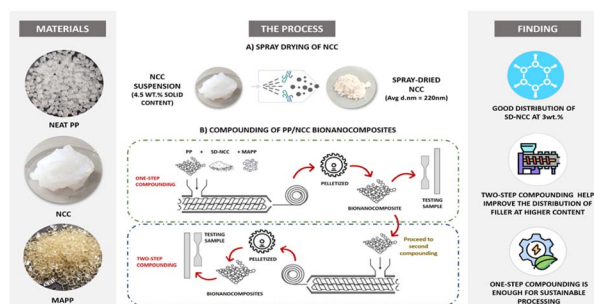
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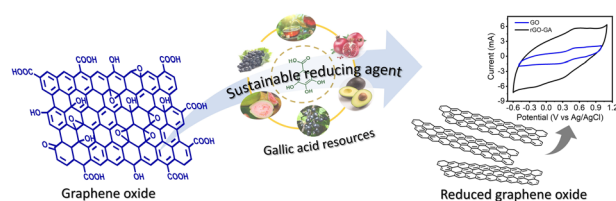
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Enhanced mechanical strength of polypropylene bionanocomposites through spray-dried nanocrystalline cellulose reinforcement

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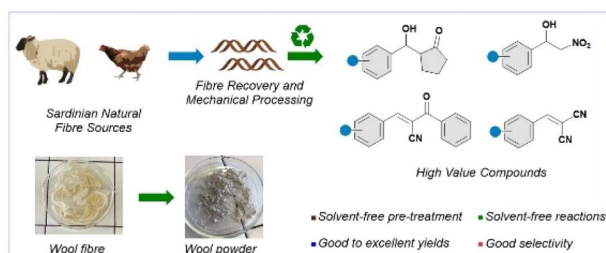
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Concentration-dependent kinetic study of graphene oxide (GO) reduction using biophenol and electrochemical analysis

Saad Zafar, Sanjana Krishna Mani, Monisha Monisha and Bimlesh Lochab*

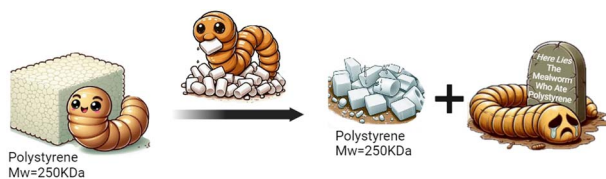
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Mechanically processed Sardinian wool promotes C–C bond synthesis under solvent-free conditions

Sourav Behera, Federico Cuccu,* Francesco Basoccu, Stefano Barranco and Andrea Porcheddu*

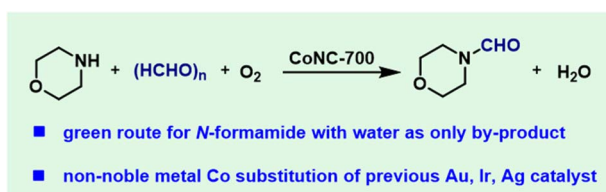
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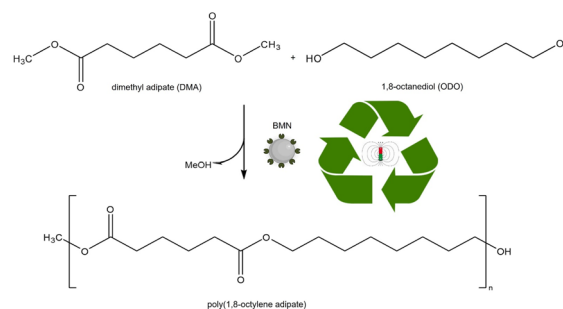
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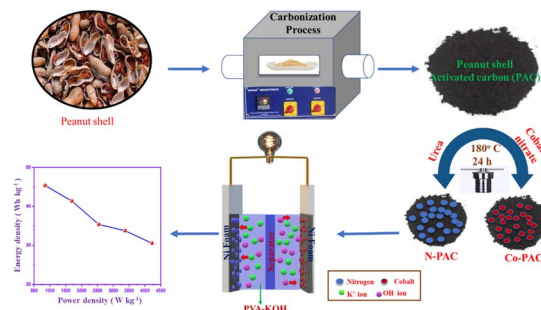
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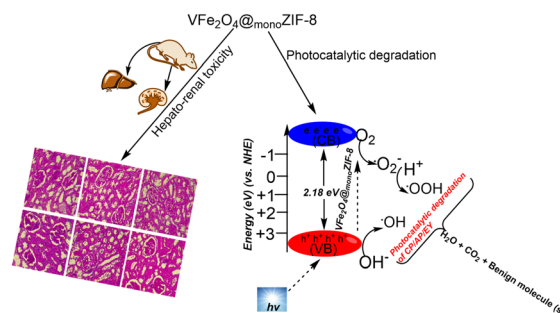
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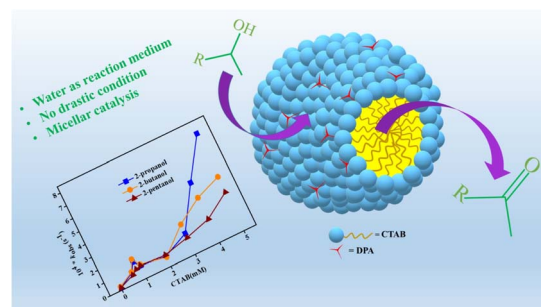
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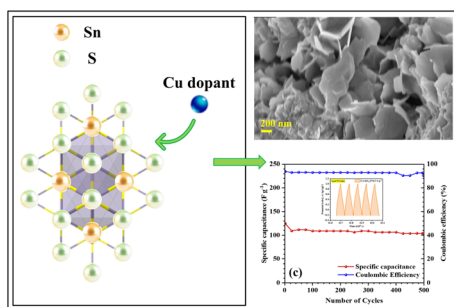
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Unveiling the sustainable oxidation approach of homologous alcohols by DPA in a CTAB micellar environment

Sandip Kundu, Mandira Mitra, Priya Karmakar, Sk Mehebab Rahaman, Mousumi Layek, Pintu Sar* and Bidyut Saha*



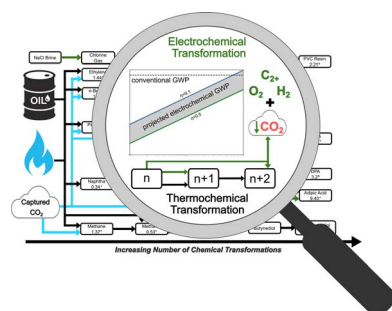
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Effect of copper doping on the electrochemical behavior of SnS₂ electrodes for aqueous Al-ion hybrid supercapacitors

Debayan Chatterjee* and Sonali Das

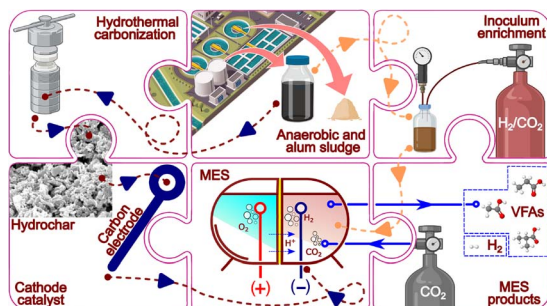
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Decarbonizing specialty chemical manufacturing: opportunities for electrochemists

Robert J. Hacku, Thomas J. Henry, Michael A. Kane, Maxwell J. Vance, Zachary J. Sebastian, Glenn Cormack, Tyler J. Petek, Elisa Seddon and James R. McKone*

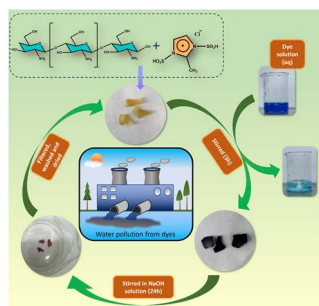
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Sludge-derived hydrochar as a potential electrocatalyst for improved CO₂ reduction in microbial electrosynthesis

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Study of adsorption efficiencies of biopolymer-based composites of chitosan with a sulfonic acid functionalized imidazolium ionic liquid for elimination of organic dyes in wastewater

Subham Paul, Amlan Jyoti Gogoi, Krishna Dev, Prapti Priyam Handique, Debanga Bhusan Bora, Sangeeta Kalita and Ruli Borah*



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Performance assessment of self-healing polyurethane elastomer as an additive in modified asphalt

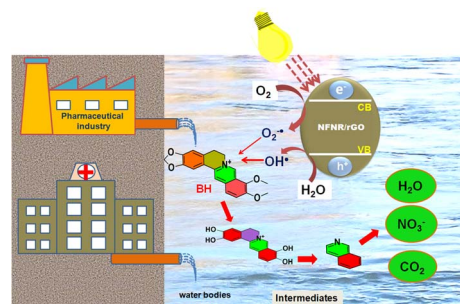
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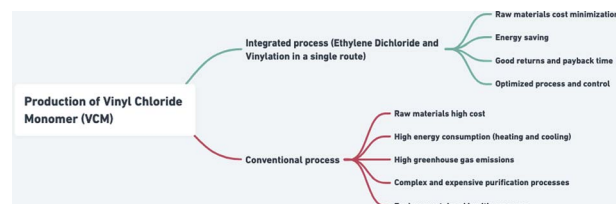
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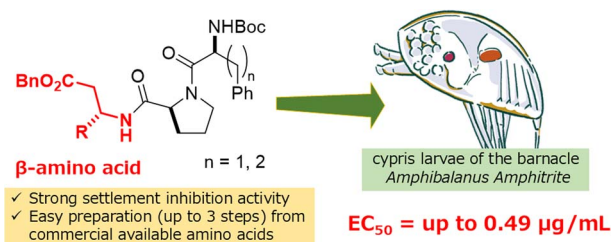
Joseph Akintola, Regina Patinvoh, Odunlami Moradeyo, Joseph Akpan,* Gabriel Umoh, Ekpotu Wilson, Queen Moses, Philemon Udom and Edose Osagie



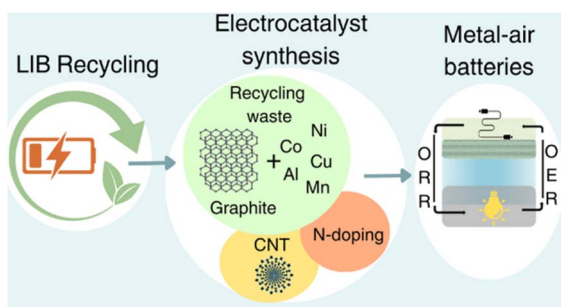
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Novel settlement inhibition oligopeptides containing β -amino acids

Taiki Umezawa,* Ira Novita Sari, Erina Yoshimura and Yasuyuki Nogata*



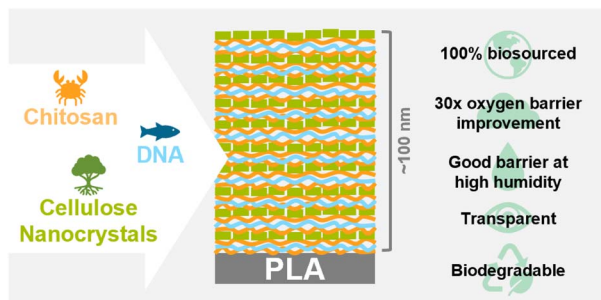
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Utilizing waste lithium-ion batteries for the production of graphite-carbon nanotube composites as oxygen electrocatalysts in zinc-air batteries

Reio Praats, Jani Sainio, Milla Vikberg, Lassi Klemettinen, Benjamin P. Wilson, Mari Lundström, Ivar Kruusenberg and Kerli Liivand*

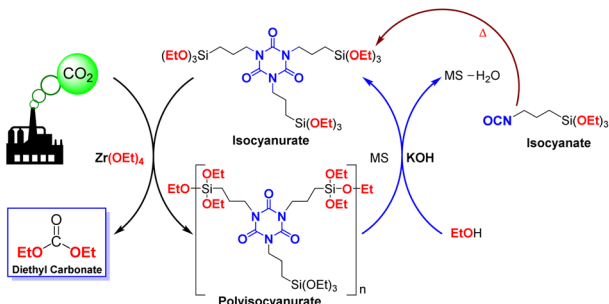
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Fully biobased and biodegradable oxygen barrier coating for poly(lactic acid)

Sarah G. Fisher, Armaghan Amanipour, Maya D. Montemayor, Ethan T. Iverson, Edward Chang, Alexandra V. Moran, Reza Ovissipour and Jaime C. Grunlan*

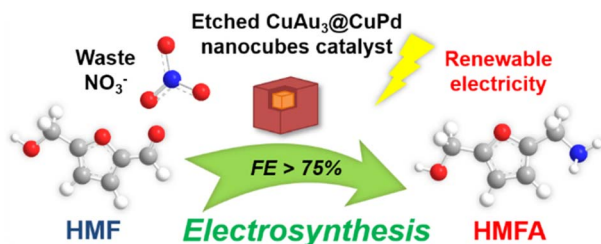
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Breaking the equilibrium limit: synthesis of diethyl carbonate from CO₂ using regenerable bis-/tris-triethoxysilane substrates

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Electrochemical upgrade of 5-hydroxymethylfurfural by C–N coupling over etched CuAu₃@CuPd nanocubes

Zi-Yuan Li, Jiang Shao, Yi-Fei Zhang, Xiao-Yu Guo, De-Jiu Wang, Hao Dong and Ya-Wen Zhang*



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Task-specific ionic liquids and ultrasound irradiation: a successful strategy to drive the alcoholysis of polycarbonate

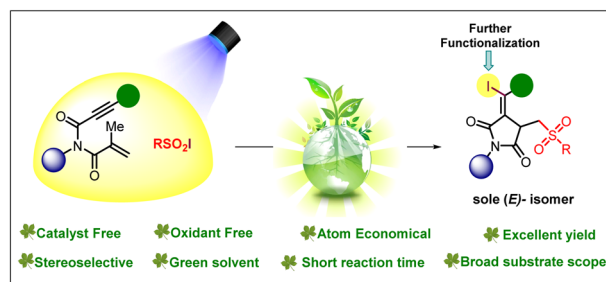
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Visible light promoted metal and oxidant-free stereoselective synthesis of functionalized succinimides from aza-1,6-enynes

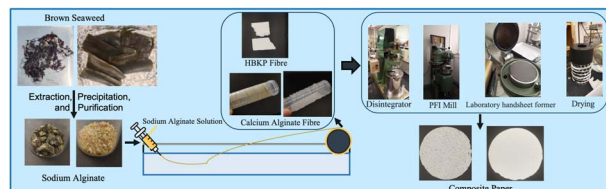
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Preparation of marine-sourced alginate fibres to produce composite paper from both green and blue carbons

RM. Muhammad Nur Fauzan, Kotchaporn Thangunpai, Akiko Nakagawa-Izumi, Mikio Kajiyama and Toshiharu Enomae*



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Correction: Enhanced mechanical strength of polypropylene bionanocomposites through spray-dried nanocrystalline cellulose reinforcement

Fatimah Athiyah Sabaruddin, Hidayah Ariffin,* Siti Shazra Shazleen, Lawrence Ng Yee Foong, Pim-on Rujitanaroj, Kasinee Thitiwutthisakul, Patcharin Permpaisarnsakul and Phungjai Tinnasulanon

