

RSC Sustainability

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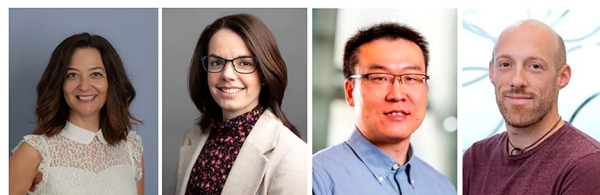
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Connecting communities
and inspiring new ideas

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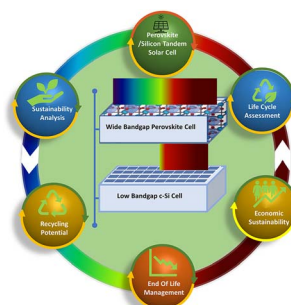
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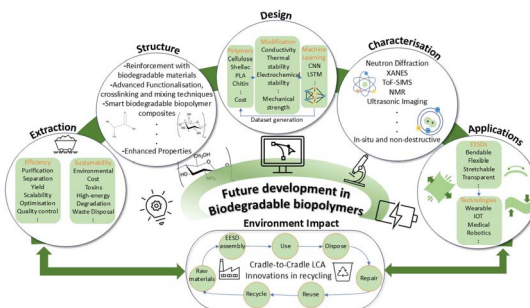
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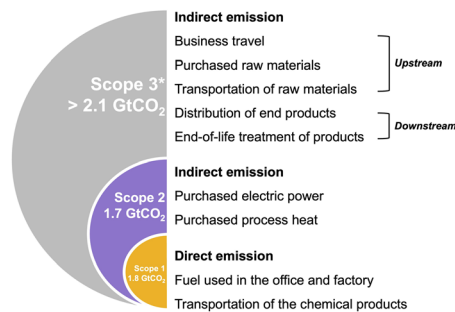
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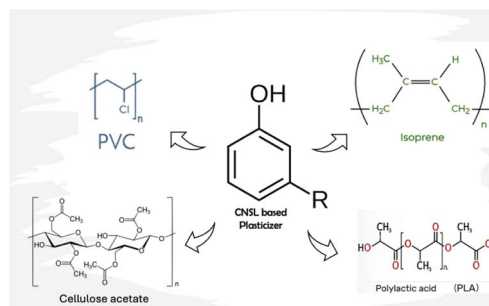
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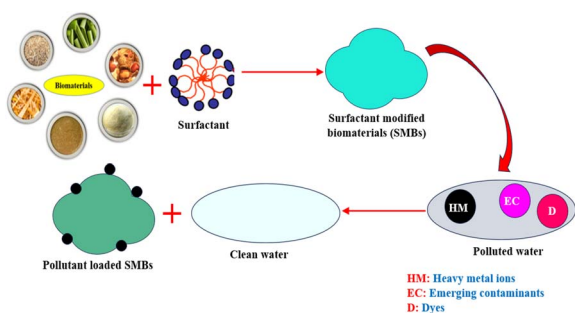
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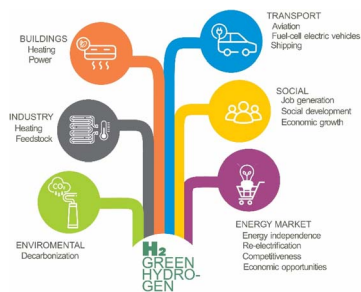
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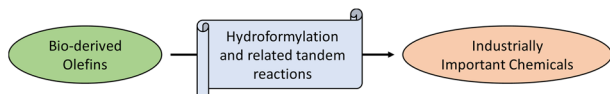
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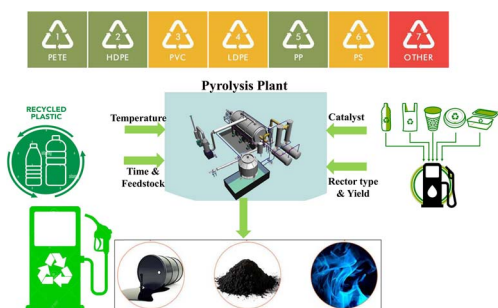
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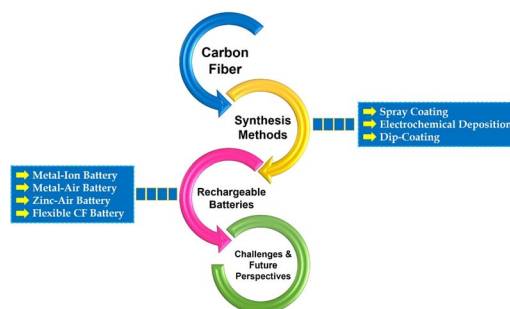


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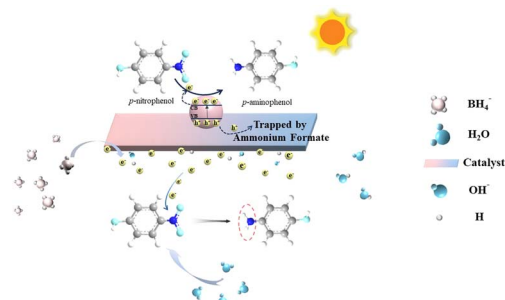
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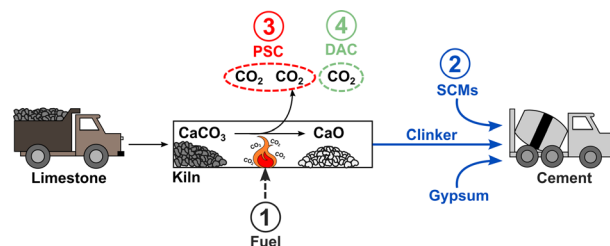


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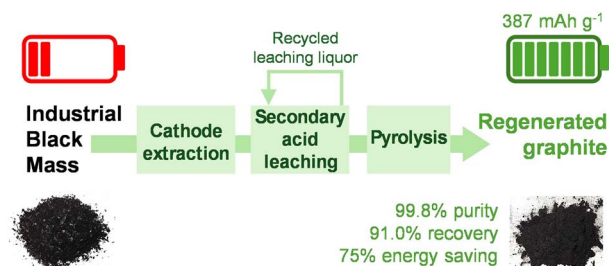


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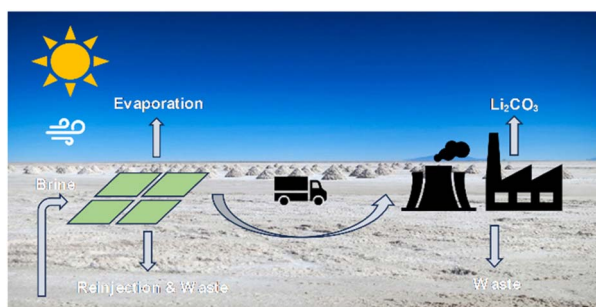
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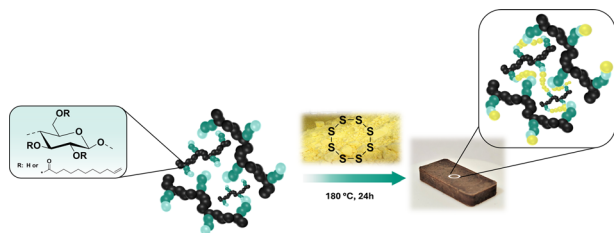
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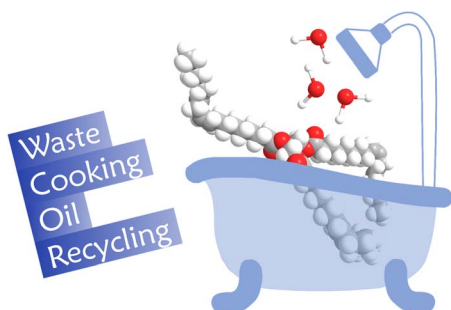
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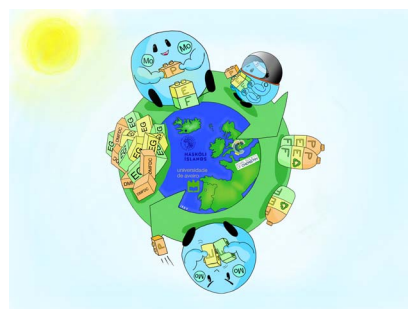
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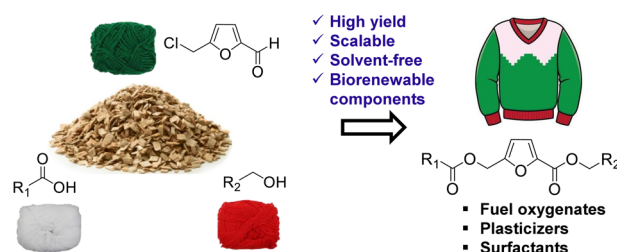
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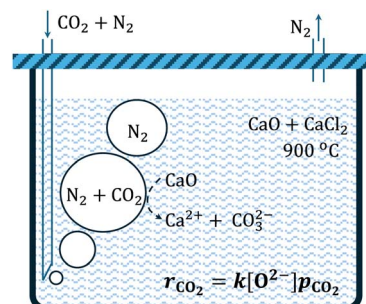
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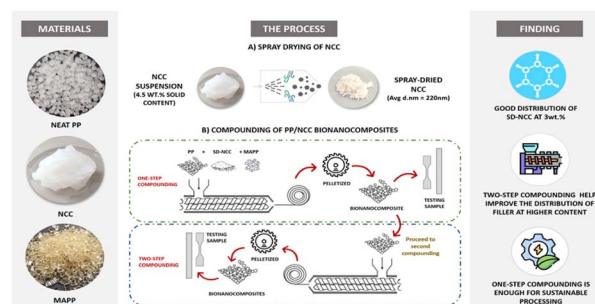
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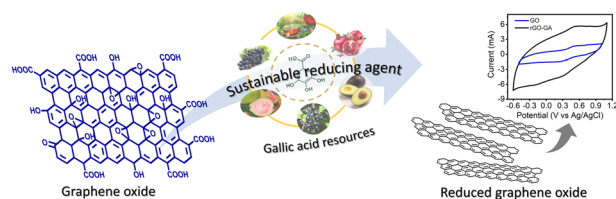
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Enhanced mechanical strength of polypropylene bionanocomposites through spray-dried nanocrystalline cellulose reinforcement

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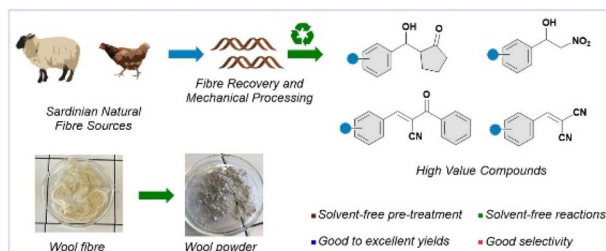
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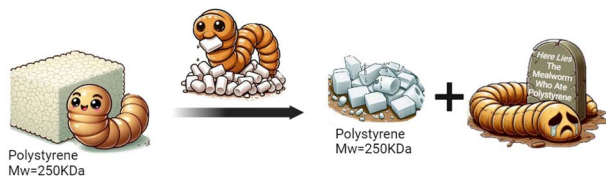
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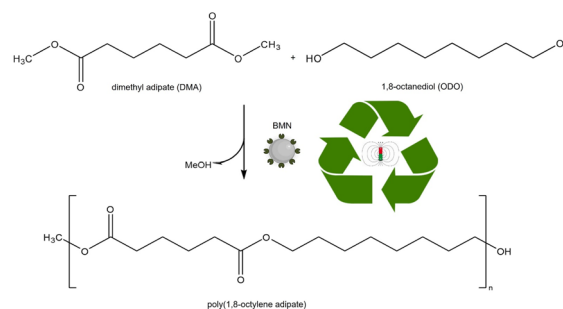
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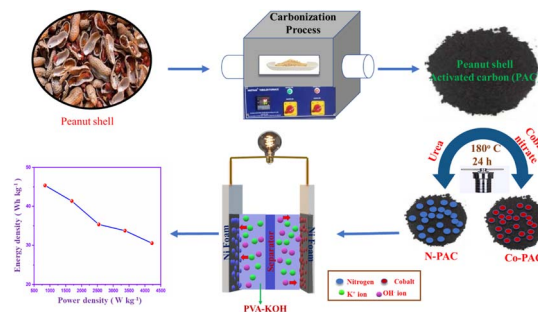
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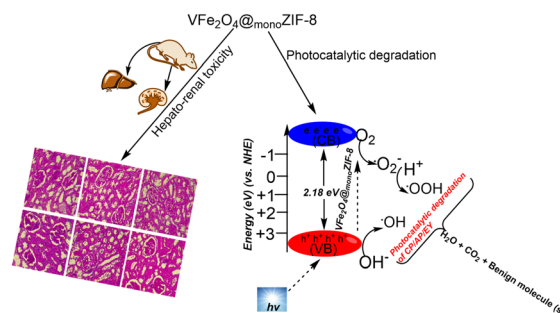
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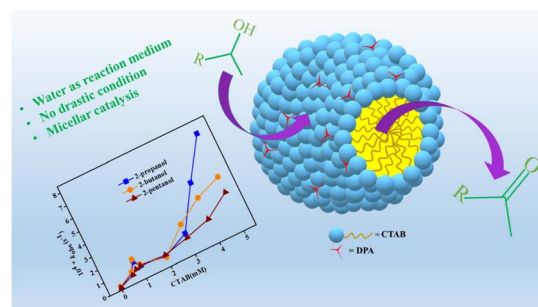
Adewale Adewuyi,* Wuraola B. Akinbola, Chiagoziem A. Otuechere, Adedotun Adesina, Olaoluwa A. Ogunkunle, Olamide A. Olalekan, Sunday O. Ajibade and Olalere G. Adeyemi



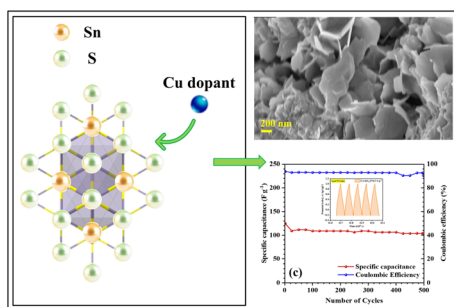
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Unveiling the sustainable oxidation approach of homologous alcohols by DPA in a CTAB micellar environment

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



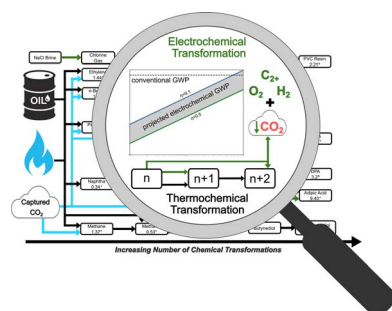
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Effect of copper doping on the electrochemical behavior of SnS₂ electrodes for aqueous Al-ion hybrid supercapacitors

Debayan Chatterjee* and Sonali Das

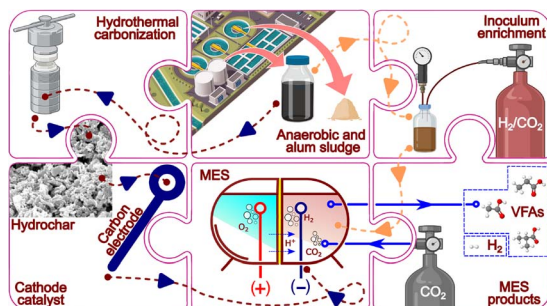
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Decarbonizing specialty chemical manufacturing: opportunities for electrochemists

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*

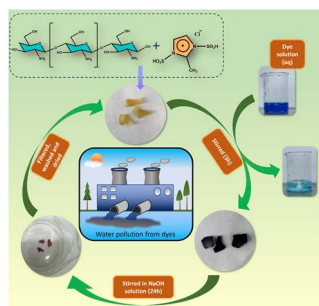
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Sludge-derived hydrochar as a potential electrocatalyst for improved CO₂ reduction in microbial electrosynthesis

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

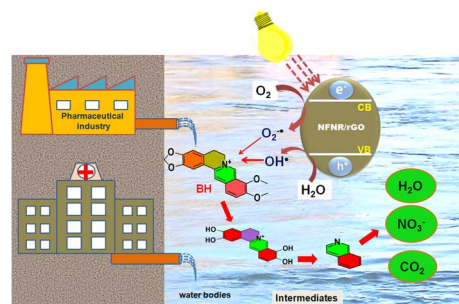
Yanling Wu,* Xingda Wang, Hao Li, Qingyuan Luo, Xuan Li, Xinlei Zheng, Kexin Xu, Yanteng Wu and Jin Li*



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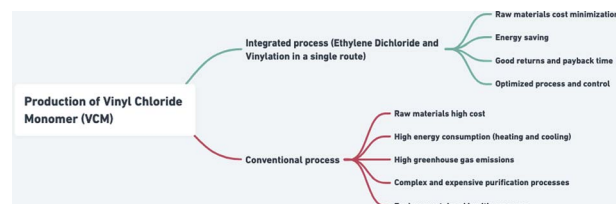
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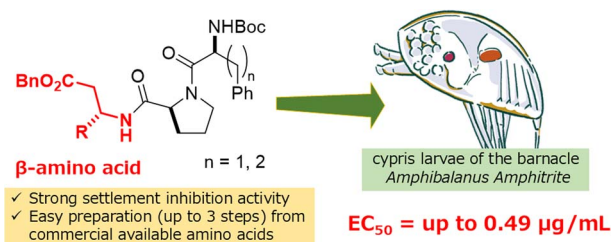
Joseph Akintola, Regina Patinvoh, Odunlami Moradeyo, Joseph Akpan,* Gabriel Umoh, Ekpotu Wilson, Queen Moses, Philemon Udom and Edose Osagie



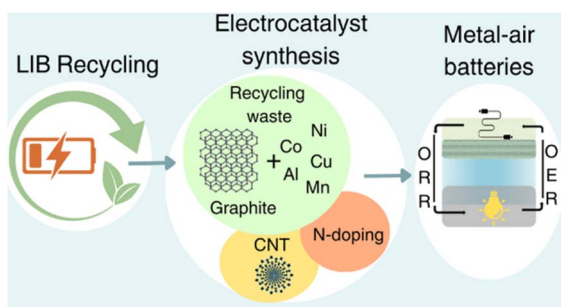
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Novel settlement inhibition oligopeptides containing β -amino acids

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



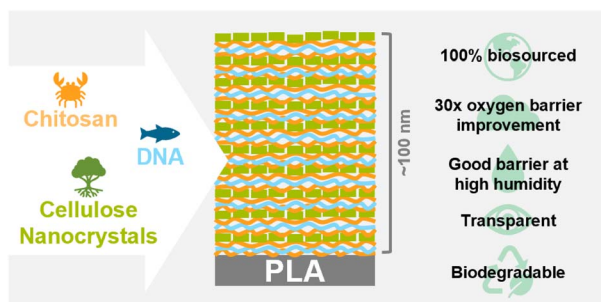
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Utilizing waste lithium-ion batteries for the production of graphite-carbon nanotube composites as oxygen electrocatalysts in zinc-air batteries

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

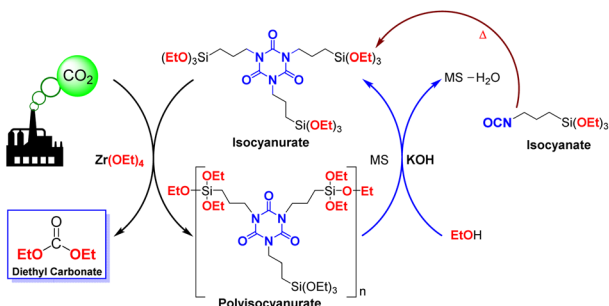
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Fully biobased and biodegradable oxygen barrier coating for poly(lactic acid)

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

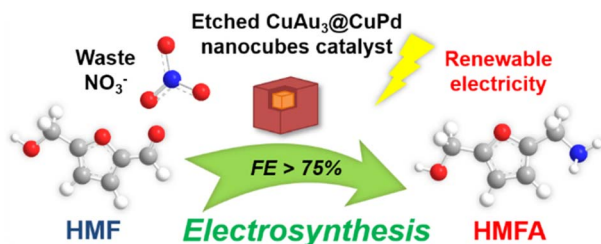
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Breaking the equilibrium limit: synthesis of diethyl carbonate from CO₂ using regenerable bis-/tris-triethoxysilane substrates

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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

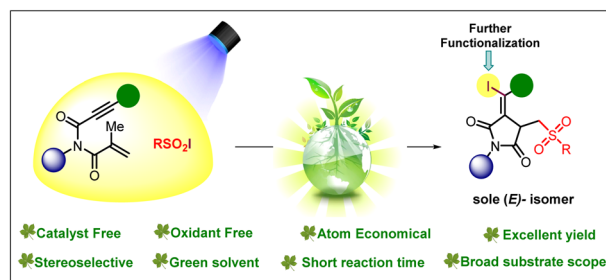
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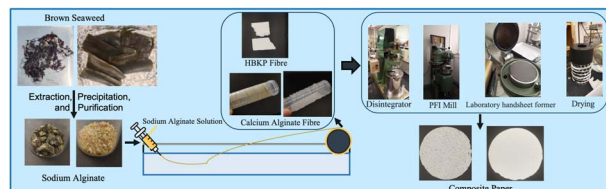
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RM. Muhammad Nur Fauzan, Kotchaporn Thangunpai, Akiko Nakagawa-Izumi, Mikio Kajiyama and Toshiharu Enomae*



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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

