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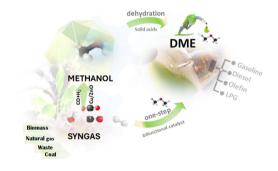
Inside cover See David Eisenberg et al., pp. 5678-5689. Image reproduced by permission of David Eisenberg, Technion from Catal. Sci. Technol., 2025, 15, 5678. The authors would like to acknowledge Efrat (eshkat) Bronstein for the cover design.

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From CO₂ to DME: catalytic advances, challenges, and alternatives to conventional gas-phase routes

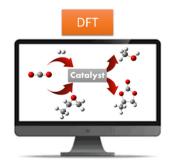
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Valeria Butera* and Giampaolo Barone





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Advanced strategies for plastic upcycling: unlocking sustainable waste valorization pathways for a green and sustainable environment

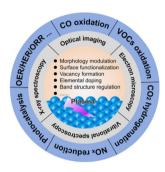
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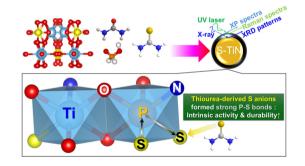


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Mitsuharu Chisaka,* Jubair A. Shamim and Hirofumi Daiguji



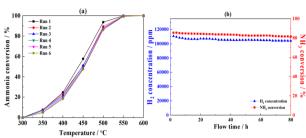
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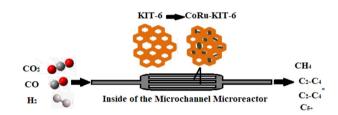
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Yeon-Bin Choi, Tae Wook Kang, Seo Ra Woo, Do yun Kim, Sun Woog Kim and Byungseo Bae*

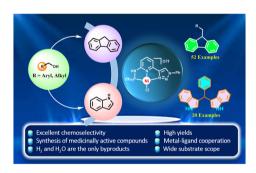
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Sujoy Bepari, Nafeezuddin Mohammad and Debasish Kuila*

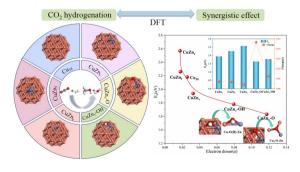
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Manali A. Mohite and Maravanji S. Balakrishna*

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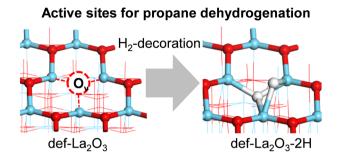
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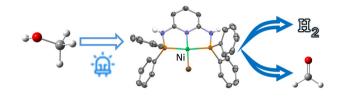
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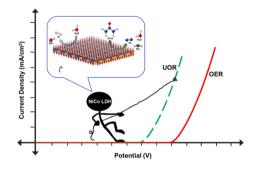
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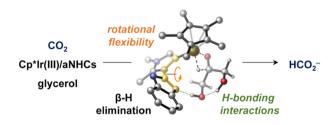
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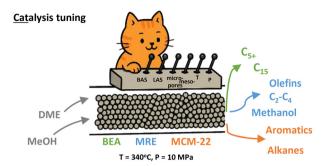
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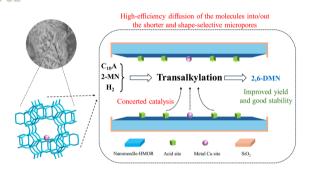
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Maria V. Magomedova, Vera A. Ostroumova, Ilya A. Davidov, Ekaterina G. Galanova, Anastasiya V. Starozhitskaya* and Anton L. Maximov

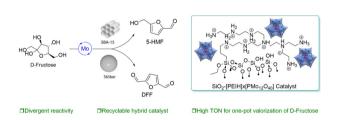
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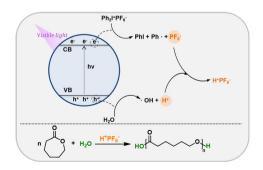
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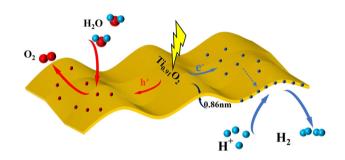
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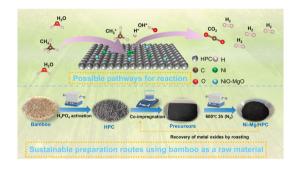
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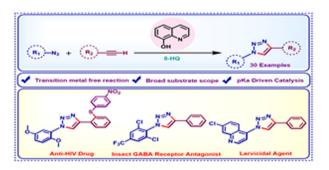
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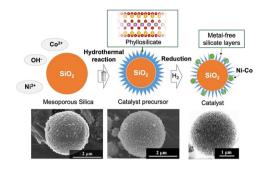
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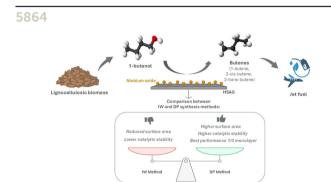


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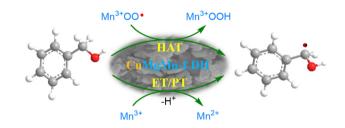
Ryunosuke Nakamura, Hikari Minamisawa and Tomohiko Okada*



Niobium oxide deposited on high surface area graphite as a stable catalyst in the 1-butanol dehydration reaction

J. M. Conesa,* A. Guerrero-Ruiz, I. Rodríguez-Ramos and M. V. Morales*

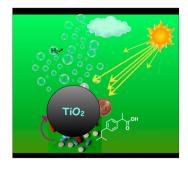




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Degin Liang, Jiaqi Yan, Xiaojing Yin, Yu Wang, Jizhou Du, Junfeng Qian, Mingyang He* and Weiyou Zhou*

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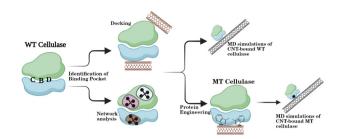
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Shubhashree Barik, Supriyo Mukherjee and Moumita Saharay*



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