

Sustainable Energy & Fuels

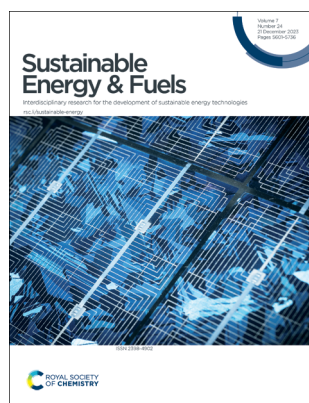
Interdisciplinary research for the development of sustainable energy technologies

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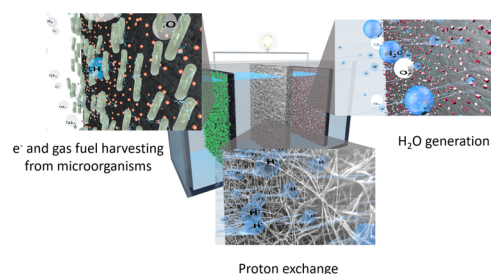
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Karolina Kordek-Khalil, Esra Altiok, Anna Salvian, Anna Siekierka, Rafael Torres-Mendieta, Claudio Avignone-Rossa, Andrea Pietrelli, Siddharth Gadkari, Ioannis A. Ieropoulos* and Fatma Yalcinkaya*

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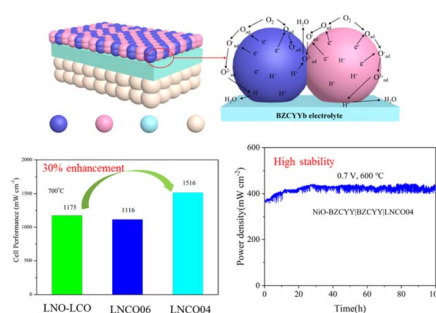


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Mingming Zhang, Xiangbo Deng, Hua Tong and Zetian Tao*



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UiO-66(-NH₂) crystal-decorated Cu₇S₄ snowflake-like nanoarchitectures with synergistic charge migration for enhanced photocatalytic H₂ evolution and N₂ fixation

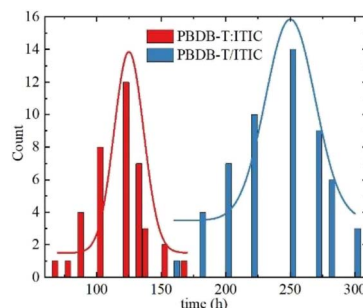
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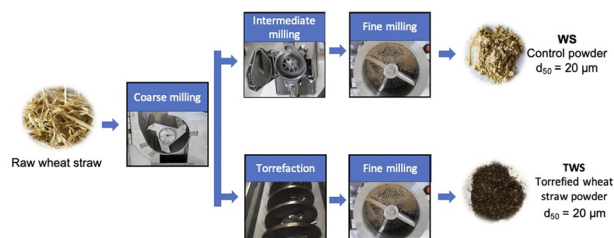
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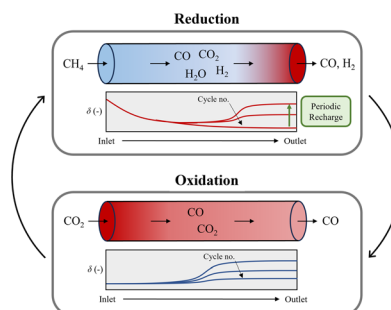
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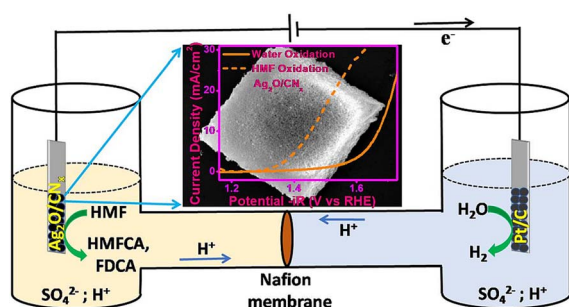
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Enhanced syngas selectivity and carbon utilization during chemical looping reforming of methane via a non-steady redox cycling strategy

Caroline M. Hill, Simon Ackermann, Kathryn G. Trimm, Dylan C. McCord, Philipp Furler and Jonathan R. Scheffe^{*}



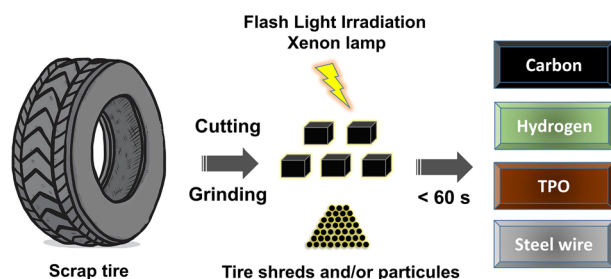
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MOF-derived interface-rich silver/silver oxide nanostructures as an effective electrocatalyst for oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid (FDCA) with spontaneous FDCA separation in acid media

Rajib Samanta, Debashish Paik, Manjunatha Kempasiddaiah, Sonali Panigrahy and Sudip Barman*

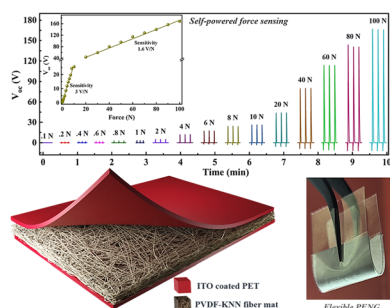
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Hydrogen production by waste tire recycling by photo-pyrolysis

Wanderson O. Silva,* Bhawna Nagar, Dennis Ellersiek, Luc Bondaz, Jordi Espin, Mathieu Soutrenon and Hubert H. Girault

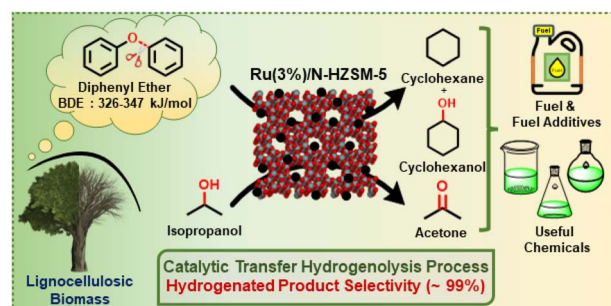
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An electrospun PVDF-KNN nanofiber based lead-free piezoelectric nanogenerator for mechanical energy scavenging and self-powered force sensing applications

B. S. Athira, Kuzhichalil Peethambharan Surendran* and Achu Chandran*

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Atul Kumar and Rajendra Srivastava*



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Expression of concern: Optimization of a compact layer of TiO_2 via atomic-layer deposition for high-performance perovskite solar cells

Ahmed Esmail Shalan, Sudhakar Narra, Tomoya Oshikiri, Kosei Ueno, Xu Shi, Hui-Ping Wu, Mahmoud M. Elshanawany, Eric Wei-Guang Diao* and Hiroaki Misawa*

