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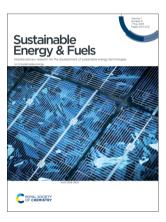
Interdisciplinary research for the development of sustainable energy technologies

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ISSN 2398-4902 CODEN SEFUA7 7(9) 2015-2312 (2023)

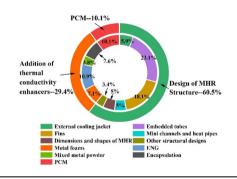


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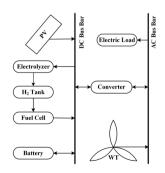
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Guodong Miao, Ping Li,* Chunrong Liu, Yong Liu, He Zhang, Fanxin Lin and Xuanhui Qu*



A review of renewable hydrogen hybrid energy systems towards a sustainable energy value chain

Zainul Abdin,* Nameer Al Khafaf, Brendan McGrath, Kylie Catchpole and Evan Gray



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Sustainable Energy & Fuels (electronic: ISSN 2398-4902) is published 24 times per year by the Royal Society of

Thomas Graham House, Science Park, Milton Road, Cambridge, CB4 0WF, UK,

All orders, with cheques made payable to the Royal Society of Chemistry, should be sent to the Royal Society of Chemistry Order Department, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge,

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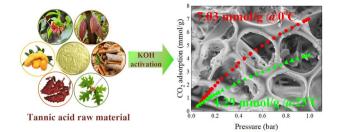
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Sustainable porous carbons from tannic acid based KOH activated as high-performance CO₂ capture sorbents

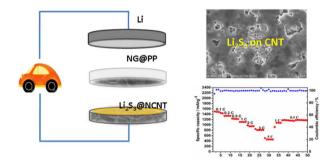
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Zhong Wang,* Fangmin Ye,* Zeyun Ma, Yongming Jiang and Meinan Liu*



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Guangzhi Ren, Guangyi Li, Aigin Wang, Yu Cong and Ning Li*



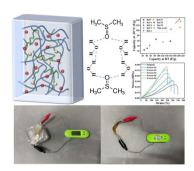
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Yang Li, Nannan Wang,* Sheng Wang, Bofan Li, Enyi Ye, Xianjun Loh and Zibiao Li*



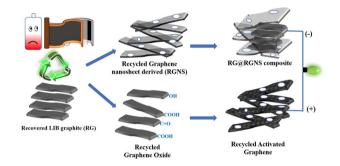
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Udita Bhattacharjee, Madhushri Bhar, Subhajit Bhowmik and Surendra K. Martha*

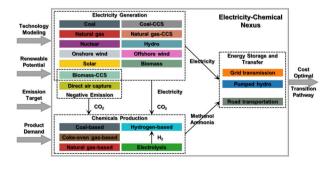
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Vallabh S. Prabhudesai, K. Saravanakumar, Lakshmiprasad Gurrala and R. Vinu*

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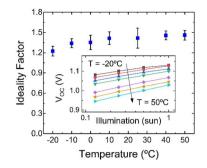
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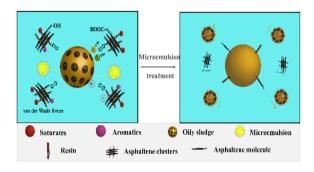
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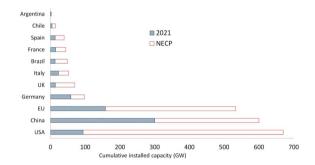
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M. B. Nieto-Morone, M. C. Alonso-García,* F. G. Rosillo, J. D. Santos and M. A. Muñoz-García



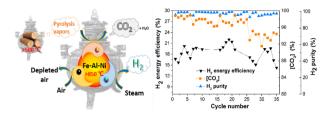
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Greenhouse gas emission reduction and energy impact of electrifying upgraders in refineries using plasma processing technology

Shariful Islam Bhuiyan, Jamie Kraus, Md Abdullah Hil Baky, Rollie Stanich, Kunpeng Wang, Howard Jemison and David Staack*



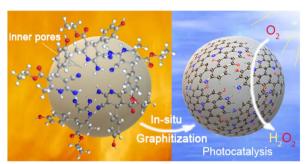
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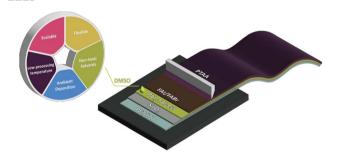
Zixiang Gao, Dewang Zeng, Shiliang Wu, Shaojun Ren, Fu Zhou, Ming Gao, Feng Song, Yunfei Zhai and Rui Xiao*

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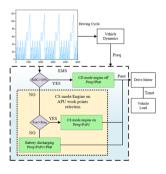
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Suyan Li, Xiaoyu Hu, Yubo Li, Meiying Wang, Yu Chen, Manman Mu and Lijun Zhang*



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Farshad Jafarzadeh, Luigi Angelo Castriotta, Francesca De Rossi, Jazib Ali, Francesco Di Giacomo, Aldo Di Carlo, Fabio Matteocci and Francesca Brunetti*



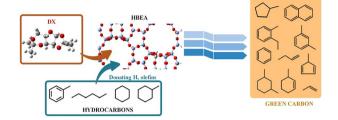
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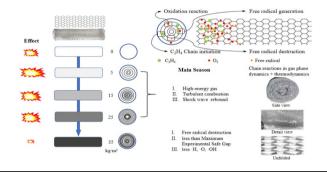
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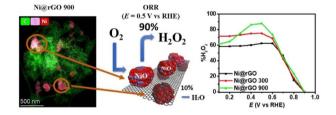
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Le Wang, Jiancun Gao,* Renming Pan,* Shoutao Hu, Shangyong Zhou, Xigang Yang and Zijin Hong



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Miha Nosan, Dušan Strmčnik, Vasiliy Brusko, Maria Kirsanova, Matjaž Finšgar, Ayrat M. Dimiev and Boštjan Genorio'



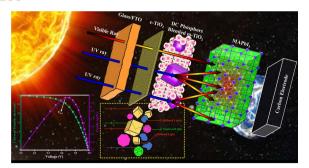
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Photocatalytic ability of visible-light-responsive hybrid ZrO₂ particles

Aleksandra Zarubica, Dušan Sredojević, Radomir Ljupković, Marjan Randjelović, Natalija Murafa, Milovan Stoiljković, Vesna Lazić and Jovan M. Nedeljković*



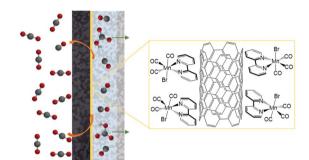
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Multi-dynamics and emission tailored fluoroperovskite-based down-conversion phosphors for enhancing the current density and stability of the perovskite solar cells

Acchutharaman Kunka Ravindran,* Joel Kingston Ramesh, Santhosh Narendhiran, Raja Arumugam, Senthil Pandian Muthu and Ramasamy Perumalsamy

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A manganese complex on a gas diffusion electrode for selective CO_2 to CO reduction

Catherine Eagle, Gaia Neri, Verity L. Piercy, Khadija Younis, Bhavin Siritanaratkul and Alexander J. Cowan*

CORRECTIONS

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Correction: WO_x/ZrO_x functionalised periodic mesoporous organosilicas as water-tolerant catalysts for carboxylic acid esterification

Vannia C. dos Santos-Durndell, Lee J. Durndell, * Mark A. Isaacs, Adam F. Lee* and Karen Wilson*

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Correction: Efficient direct lignin fuel cells enabled by hierarchical nickel-iron phosphide nanosheets as an anode catalyst

Fei Liu, A. Lusi, Harish Radhakrishnan, Hengzhou Liu, Wenzhen Li, Hantang Qin, Shan Jiang, Xianglan Bai and Shan Hu*