

# Sustainable Energy & Fuels

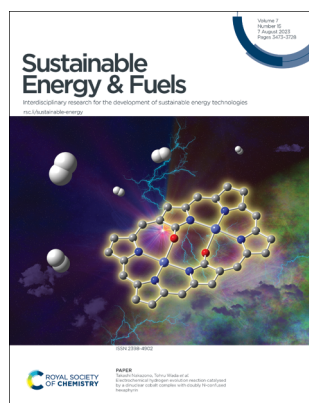
Interdisciplinary research for the development of sustainable energy technologies

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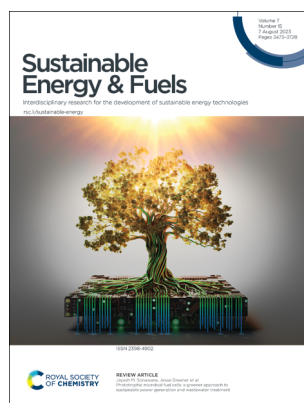
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ISSN 2398-4902 CODEN SEFUA7 7(15) 3473–3728 (2023)



### Cover

See Takashi Nakazono, Tohru Wada *et al.*, pp. 3603–3608. Image reproduced by permission of Takashi Nakazono from *Sustainable Energy Fuels*, 2023, 7, 3603.



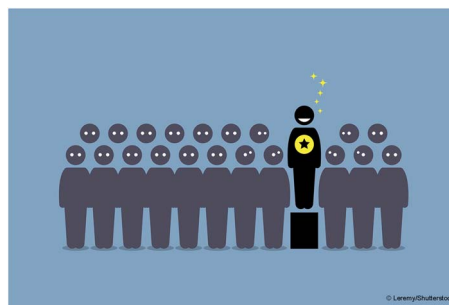
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See Jayesh M. Sonawane, Jesse Greener *et al.*, pp. 3482–3504. Image reproduced by permission of Jesse Greener from *Sustainable Energy Fuels*, 2023, 7, 3482.

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### Outstanding Reviewers for *Sustainable Energy & Fuels* in 2022



## REVIEWS

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### Phototrophic microbial fuel cells: a greener approach to sustainable power generation and wastewater treatment

Jayesh M. Sonawane,\* Ankisha Vijay, Tianyang Deng, Prakash C. Ghosh and Jesse Greener\*



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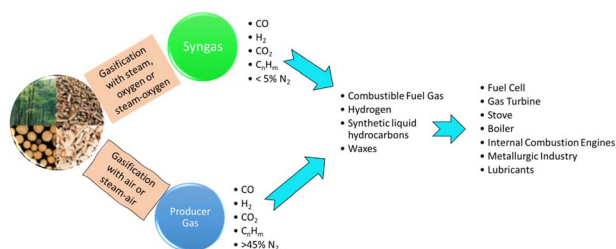


## REVIEWS

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# A review of the thermochemistries of biomass gasification and utilisation of gas products

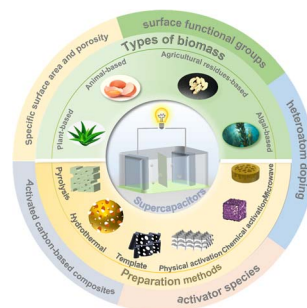
Carine T. Alves, Jude A. Onwudili,\*  
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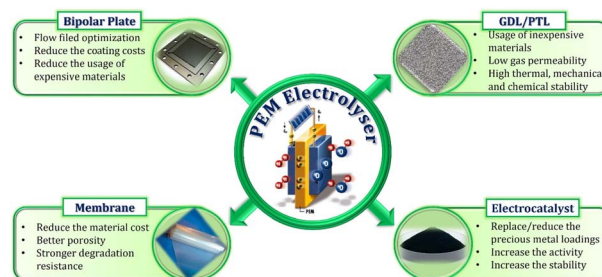
Ke Liang, Yanli Chen,\* Dan Wang, Wenchang Wang,  
Shuyong Jia, Naotoshi Mitsuzakic and Zhidong Chen\*



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# Recent advances in hydrogen production through proton exchange membrane water electrolysis – a review

S. Shiva Kumar and Hankwon Lim\*



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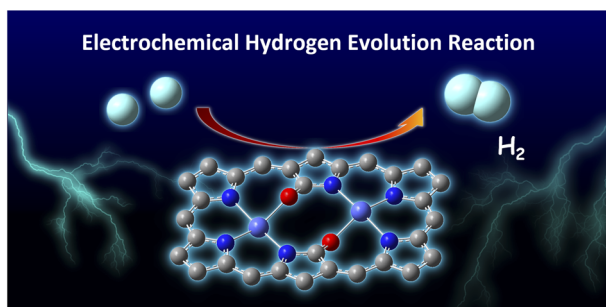
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M. Calero,\* V. Godoy, C. García Heras, E. Lozano,  
S. Arjandas and M. A. Martín-Lara\*



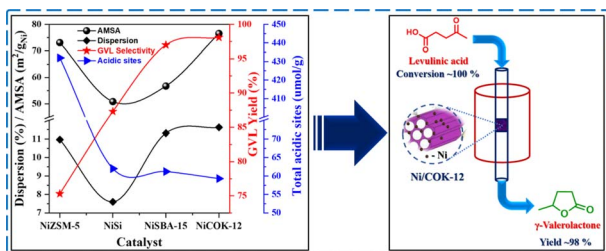
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### Electrochemical hydrogen evolution reaction catalysed by a dinuclear cobalt complex with doubly N-confused hexaphyrin

Risa Takada, Takashi Nakazono,\* Taiyo Nishimura, Takuya Shiga, Masayuki Nihei, Yusuke Yamada and Tohru Wada\*

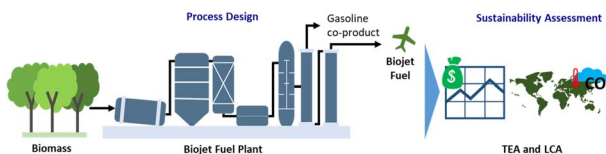
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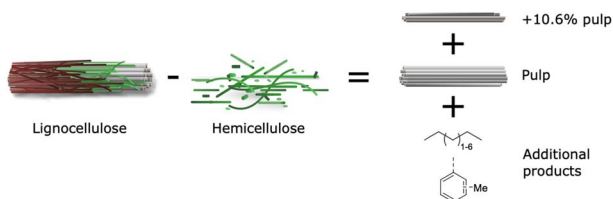
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Eprillia Intan Fitriarsi, Wangyun Won and J. Jay Liu\*

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### Hydrocarbons from kraft pulp pre-hydrolysis liquors in two steps using heterogeneous catalysis

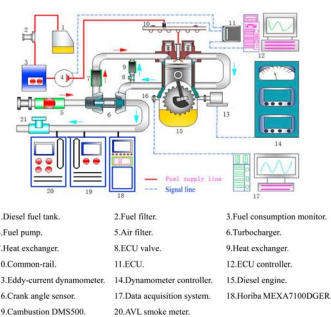
Daria Lebedeva and Joseph S. M. Samec\*



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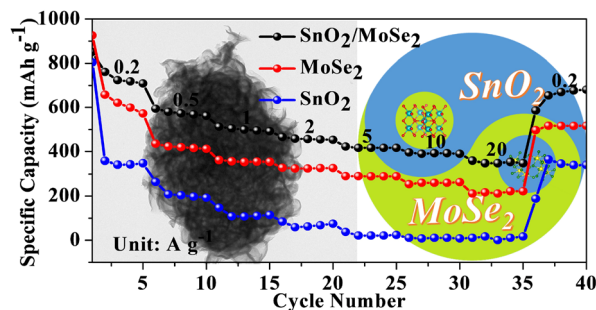
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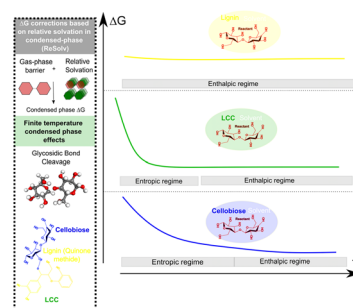
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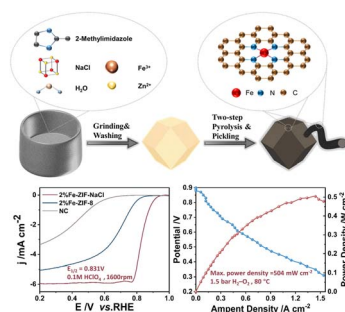
Arul Mozhi Devan Padmanathan, Rahul Vaidya and Samir H. Mushrif\*



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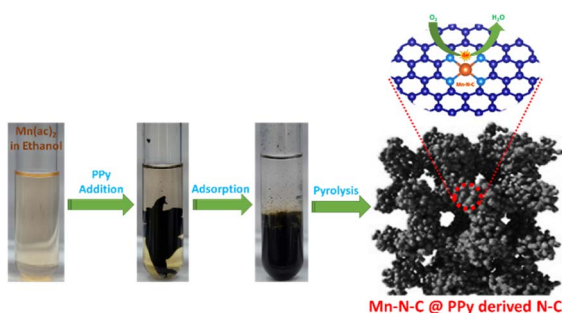
## High specific surface area Fe–N–C electrocatalysts for the oxygen reduction reaction synthesized by a hard-template-assisted ball milling strategy

Feng Sun, Tao Liu, Meihua Huang\* and Lunhui Guan\*





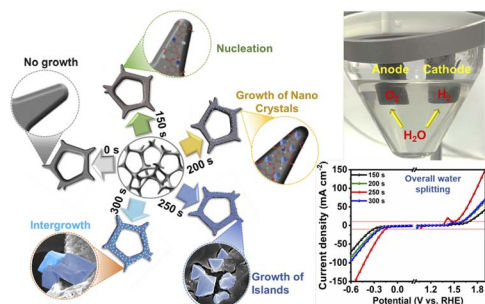
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Sanjit Kumar Parida,\* Tulasi Barik and Hrudananda Jena\*

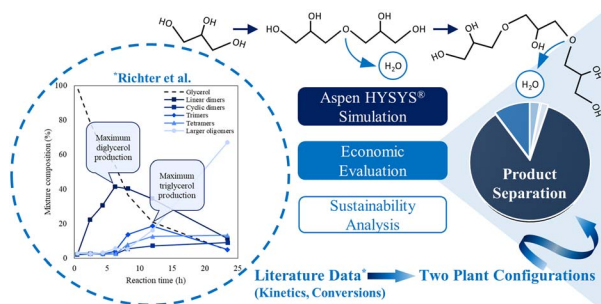
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### Rapid synthesis of a CuZn-MOF via controlled electrodeposition: manifesting enhanced overall electrocatalytic water splitting

Aashi, Srinivasan Alagar, Krishankant, Ashish Gaur, Chandan Bera and Vivek Bagchi\*

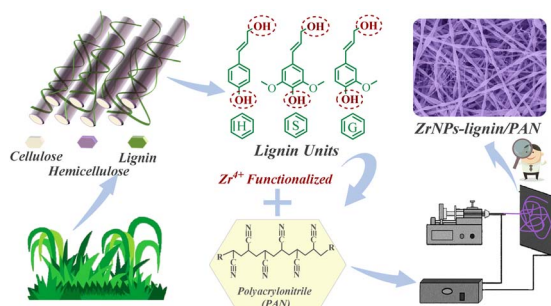
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Livia G. N. de Oliveira, Raquel M. Cavalcante and André F. Young\*

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Wansi Lin, Yue Wang, Junhua Zhang,\* Huai Liu and Lincai Peng\*

