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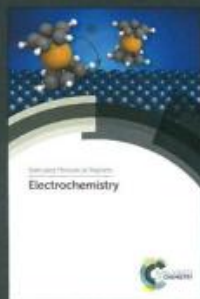
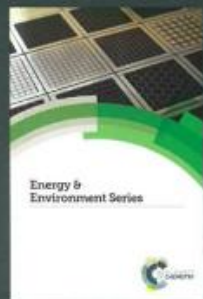
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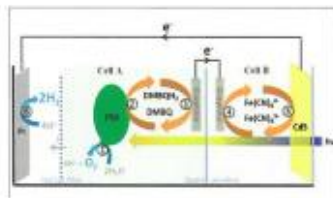


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Content highlights

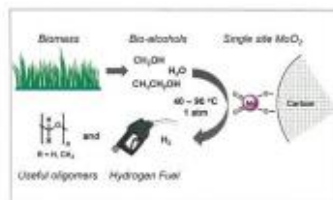
Biomimetic electron transport via multiredox shuttles from photosystem II to a photoelectrochemical cell for solar water splitting

Zhen Li, Wangyin Wang, Chunmei Ding, Zhiliang Wang, Shichao Liao and Can Li
Energy Environ. Sci., 2017, **10**, 765-771
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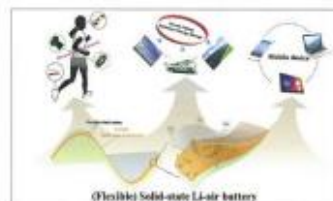
Efficient catalytic greenhouse gas-free hydrogen and aldehyde formation from aqueous alcohol solutions

Tracy L. Lohr, Aidan R. Mouat, Neil M. Schweitzer, Peter C. Stair, Massimiliano Delferro and Tobin J. Marks
Energy Environ. Sci., 2017, Advance Article
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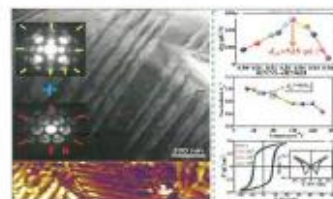
Status and prospects of polymer electrolytes for solid-state Li-O₂ (air) batteries

Jin Yi, Shaohua Guo, Ping He and Haoshen Zhou
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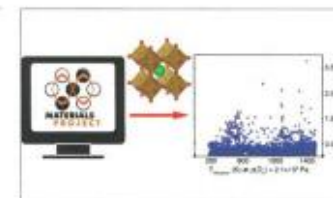
The structural origin of enhanced piezoelectric performance and stability in lead free ceramics

Ting Zheng, Haijun Wu, Yuan Yuan, Xiang Lv, Qi Li, Tianlu Men, Chunlin Zhao, Dingquan Xiao, Jiagang Wu, Ke Wang, Jing-Feng Li, Yueliang Gu, Jianguo Zhu and Stephen J. Pennycook
Energy Environ. Sci., 2017, **10**, 528-537
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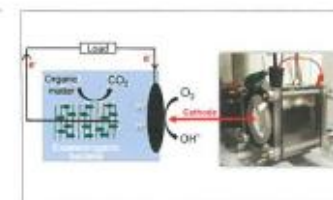
Large scale *in silico* screening of materials for carbon capture through chemical looping

Cindy Y. Lau, Matthew T. Dunstan, Wenting Hu, Clare P. Grey and Stuart A. Scott
Energy Environ. Sci., 2017, **10**, 818-831
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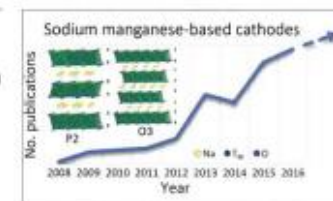
The impact of new cathode materials relative to baseline performance of microbial fuel cells all with the same architecture and solution chemistry

Wulin Yang, Kyoung-Yeol Kim, Pascal E. Saikaly and Bruce E. Logan
Energy Environ. Sci., 2017, **10**, 1025-1033
xlink.rsc.org/?doi=C7EE00910K



High performance manganese-based layered oxide cathodes: overcoming the challenges of sodium ion batteries

Nagore Ortiz-Vitoriano, Nicholas E. Drewett, Elena Gonzalo and Teófilo Rojo
Energy Environ. Sci., 2017, **10**, 1051-1074
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