

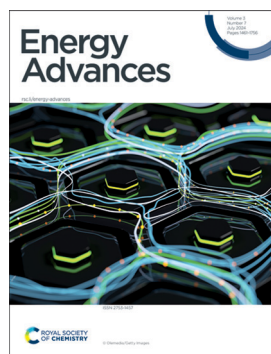
Energy Advances

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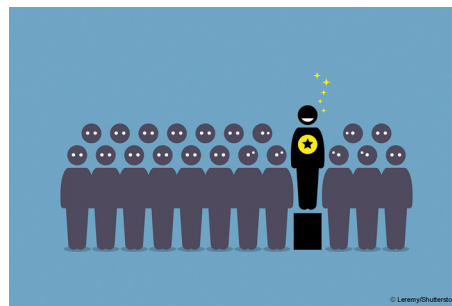


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EDITORIAL

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Outstanding Reviewers for *Energy Advances* in 2023

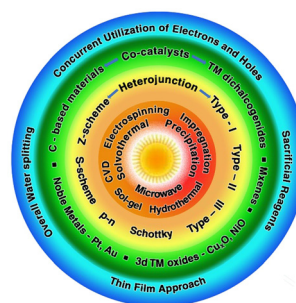


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A review on the recent advances in the design and structure–activity relationship of TiO₂-based photocatalysts for solar hydrogen production

Sunesh S. Mani, Sivaraj Rajendran, Thomas Mathew* and Chinnakonda S. Gopinath*



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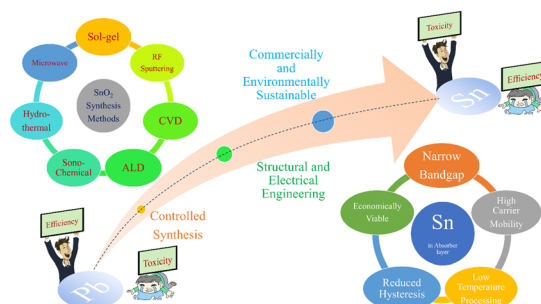
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Elemental answers

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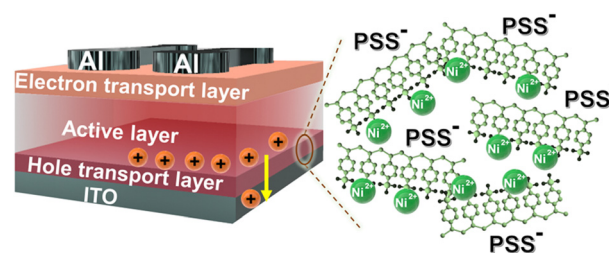


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Nickel polyelectrolytes as hole transporting materials for organic and perovskite solar cell applications

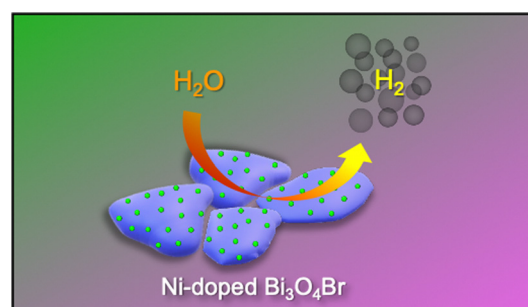
Jin Hee Lee, Kausar Ali Khawaja, Faiza Shoukat, Yeasin Khan, Do Hui Kim, Shinuk Cho,* Bright Walker* and Jung Hwa Seo*



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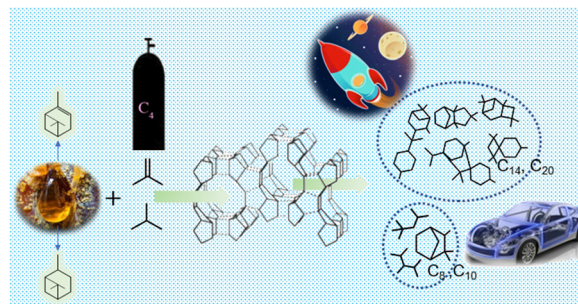
Manodip Pal, Rathindranath Biswas, Sanmitra Barman* and Arnab Dutta*



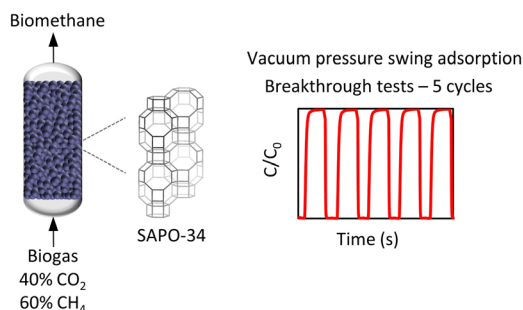
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Alkylation of α -pinene with isobutene/isobutane over H β zeolite

Zhaocai Jiao, Mingzu Liu, Ningbo Yang, Fengli Yu, Congxia Xie, Shitao Yu and Bing Yuan*



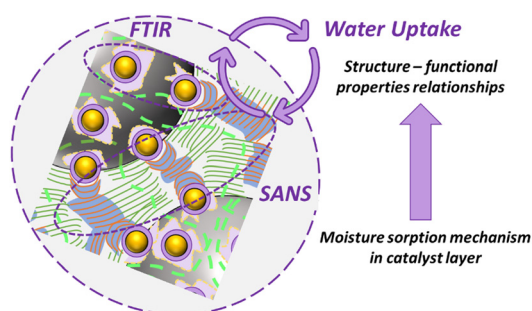
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Dina G. Boer, Henk H. van de Bovenkamp, Jort Langerak, Benny Bakker and Paolo P. Pescarmona*

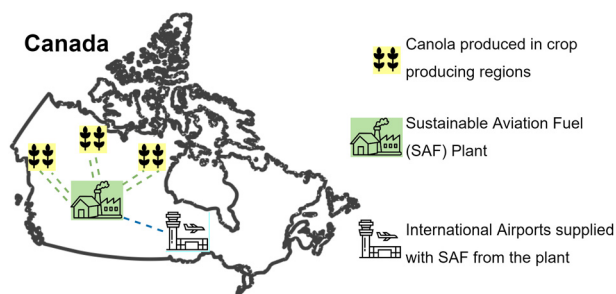
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In situ investigation of moisture sorption mechanism in fuel cell catalyst layers

Emilie Planes,* Joseph Peet, Jean-Blaise Brubach, Lionel Porcar, Gilles De Moor, Cristina Iojoiu* and Sandrine Lyonard*

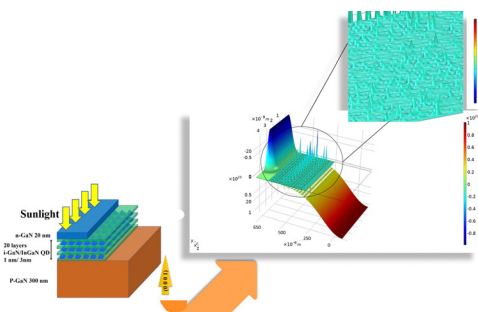
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Praveen Siluvai Antony,* Caroline Vanderghem, Heather L. MacLean, Bradley A. Saville and I. Daniel Posen

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Structural optimization and engineering of In_xGa_{1-x}N quantum dot intermediate band solar cells with intrinsic GaN interlayers

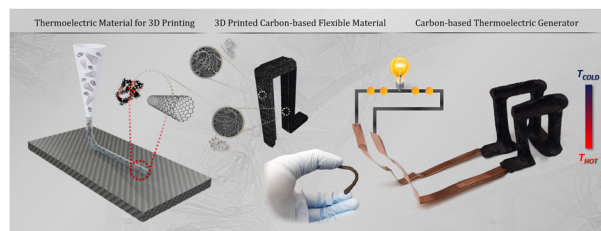
Deborah Eric,* Jianliang Jiang,* Ali Imran and Abbas Ahmad Khan



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Additive manufacturing of highly conductive carbon nanotube architectures towards carbon-based flexible thermoelectric generators

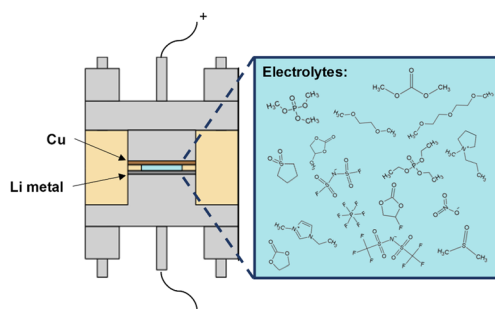
Christos K. Mytafides,* William J. Wright, Raden Gustinvil, Lazaros Tzounis, George Karalis, Alkiviadis S. Paipetis and Emrah Celik*



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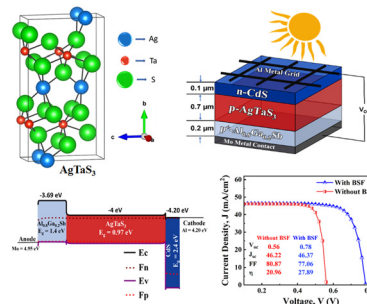
Tomoki Takahashi, Di Wang, Jinkwang Hwang* and Kazuhiko Matsumoto*



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Design and performance evaluation of all-inorganic AgTaS₃ perovskite solar cells

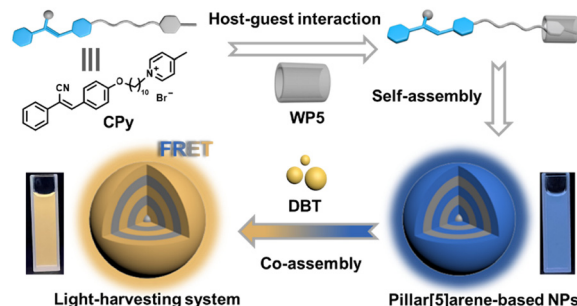
Tanvir Ahmed, Md. Choyon Islam, Md. Alamin Hossain Pappu, Md. Islahur Rahman Ebon, Sheikh Noman Shiddique, Mainul Hossain and Jaker Hossain*



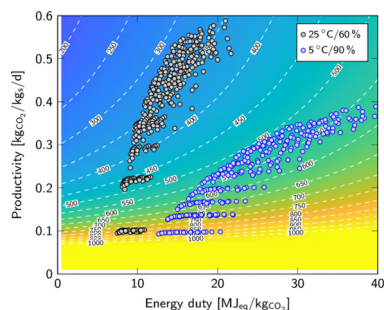
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Construction of a supramolecular light-harvesting system based on pillar[5]arene-mediated nanoparticles in water

Xiuxiu Li, Qiaona Zhang, Xiaoman Dang, Fengyao Cui, Zheng-Yi Li, Xiao-Qiang Sun and Tangxin Xiao*



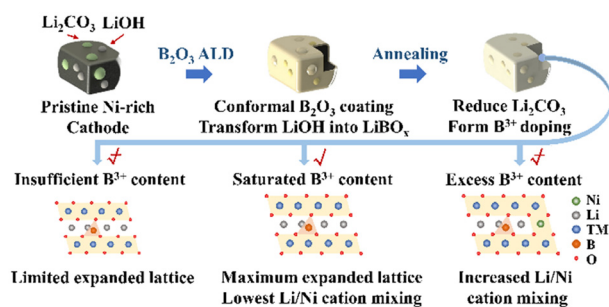
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Optimizing direct air capture under varying weather conditions

H. M. Schellevis, J. D. de la Combé and D. W. F. Brilman*

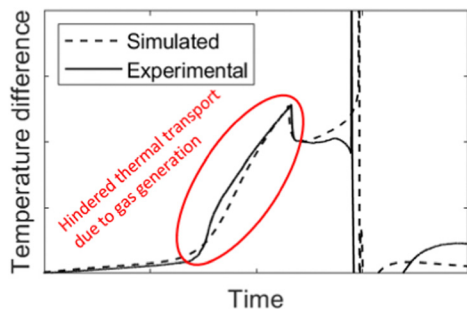
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Stabilization of the surface and lattice structure for $\text{LiNi}_{0.83}\text{Co}_{0.12}\text{Mn}_{0.05}\text{O}_2$ via B_2O_3 atomic layer deposition and post-annealing

Jiawei Li, Junren Xiang, Ge Yi, Zhijia Hu, Xiao Liu* and Rong Chen*

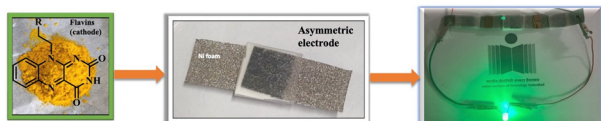
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On the effect of gas generation on heat transfer during thermal runaway of pouch cells

Niklas Weber,* Sebastian Schuhmann, Robert Löwe, Jens Tübke and Hermann Nirschl

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Bioinspired flavin analogues as organic electrode materials for supercapacitor applications

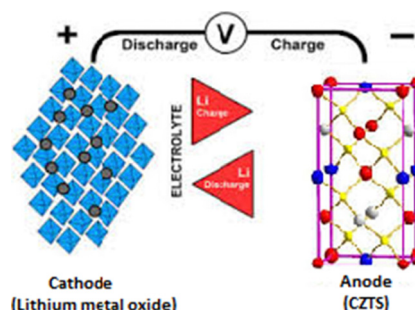
Dipayan Mondal, Ishita Naskar, Melepurath Deepa* and Ashutosh Kumar Mishra*



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Dual-functionality of CZTS nanoflakes: as an anode material for lithium-ion batteries and as a counter electrode in DSSCs – a DFT and experimental investigation

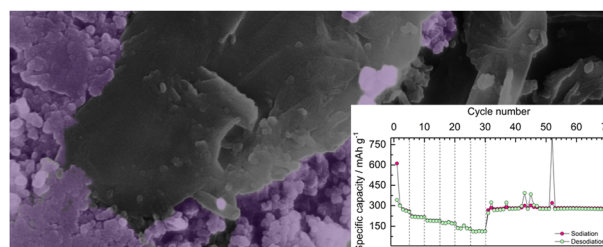
G. Rajesh,* Jeyakiruba Palraj, Venkatraman M. R., Ramesh Sivasamy, Sreejith P. Madhusudan, Helen Annal Therese and Marcos Flores



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Electrochemical characterization of γ -Fe₂O₃ and a reduced graphene oxide composite as a sustainable anode material for Na-ion batteries

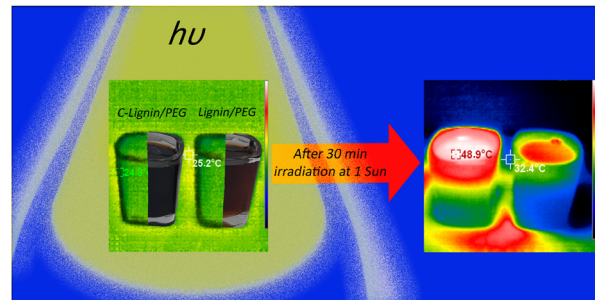
Antunes Staffolani,* Leonardo Sbrascini, Luca Bottoni, Luca Minnetti, Hamideh Darjazi, Angela Trapananti, Francesco Paparoni, Seyed Javad Rezvani, Marco Minicucci, Messaoud Harfouche and Francesco Nobili



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Photo-thermal conversion ability of PEG and H₂O-based microfluids of sodium lignosulfonate and its carbonized form

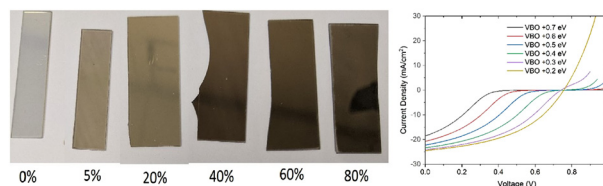
Fatemeh Seifikar, Saeid Azizian* and Babak Jaleh



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The effect of oxygen on NiO as a back buffer layer in CdTe solar cells

Nicholas Hunwick,* Xiaolei Liu, Mustafa Togay, John M. Walls, Jake Bowers and Patrick J. M. Isherwood



CORRECTION

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Correction: Recent trends on the application of phytochemical-based compounds as additives in the fabrication of perovskite solar cells

Naomy Chepngetich, Gloria M. Mumbi, Getnet Meheretu M., Koech K. Richard,* Geoffrey K. Yegon, Sarah C. Chepkwony, Charles Rono K., Dahiru Sanni, Abdulhakeem Bello and Esidor Ntsoenzok

