

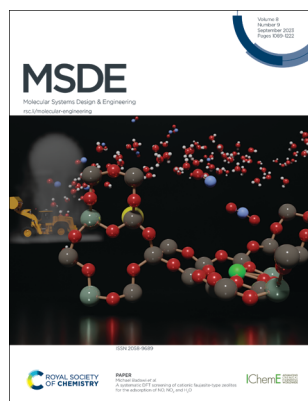
MSDE

Molecular Systems Design & Engineering rsc.li/molecular-engineering

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Michael Badawi from *Mol. Syst.
Des. Eng.*, 2023, **8**, 1165.

EDITORIAL

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New Editor-in-Chief and Deputy Editor-in-Chief for MSDE: reflections and vision

Claire S. Adjiman* and Andrew L. Ferguson*

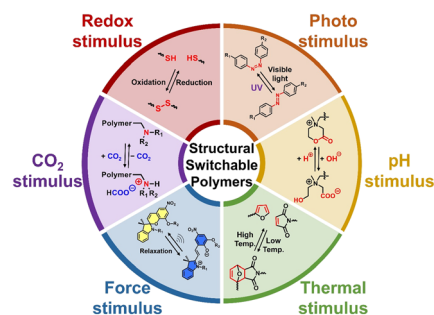


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Zhuang Mao Png, Chen-Gang Wang,
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Nayli Erdeanna Surat'man, Yee Lin Tan, Hongfei Liu,
Pei Wang, Beng Hoon Tan, Jian Wei Xu,* Xian Jun Loh*
and Qiang Zhu*



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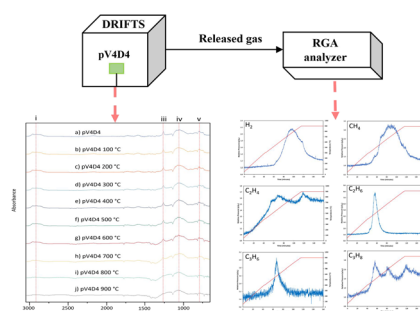
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Time-resolved *operando* analysis of the pyrolysis of a PECVD-deposited siloxane polymer using a combined DRIFTS–MS system

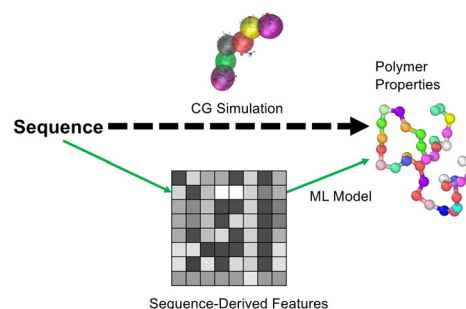
Bryan Nguyen, Farnaz Tabarkhoon, Linghao Zhao, Ankit Mishra, Malancha Gupta, Priya Vashishta and Theodore Tsotsis*



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Data-driven models for predicting intrinsically disordered protein polymer physics directly from composition or sequence

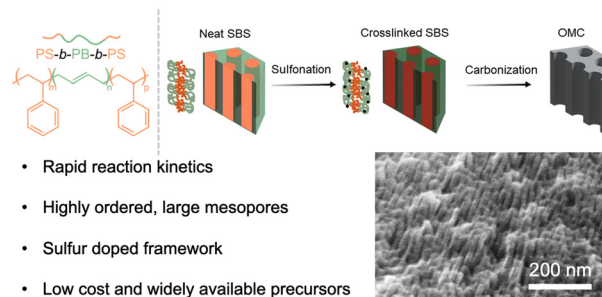
Tzu-Hsuan Chao, Shiv Rekhi, Jeetain Mittal and Daniel P. Tabor*



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Precursor design for efficient synthesis of large-pore, sulfur-doped ordered mesoporous carbon through direct pyrolysis

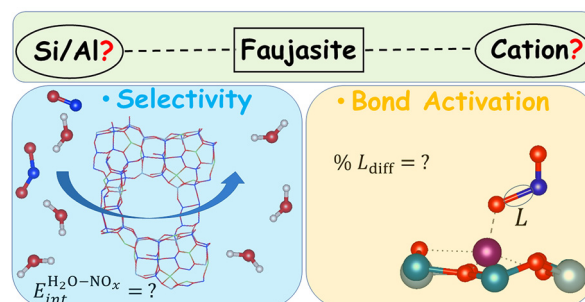
Mark Robertson, Anthony Griffin, Alejandro Guillen Obando, Andrew Barbour, Ryan Davis and Zhe Qiang*



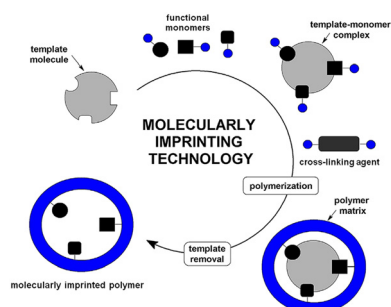
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A systematic DFT screening of cationic faujasite-type zeolites for the adsorption of NO, NO₂ and H₂O

Ioannis Karamanis, Ayoub Daouli, Hubert Monnier, Marie-Antoinette Dziurla, Guillaume Maurin and Michael Badawi*



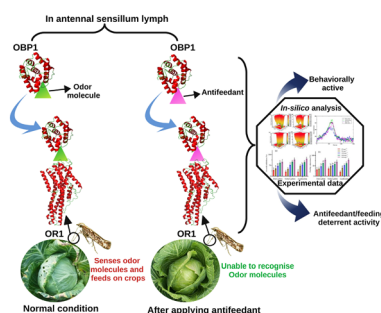
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Theoretical design of molecularly imprinted polypyrrole biosensor for the detection of renal failure biomarkers

Elham Rajae, Mohammad Izadyar* and Mohammad Reza Housaindokht

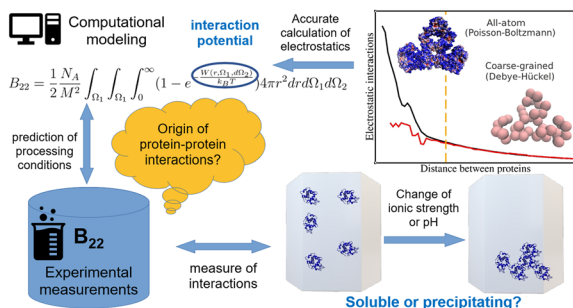
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Bioactive molecules of *Triadica sebifera* as eco-friendly antifeedants against *Plutella xylostella*: a pest management approach

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Accurate calculation of second osmotic virial coefficients of proteins using mixed Poisson-Boltzmann and extended DLVO theory

Srdjan Pusara, Wolfgang Wenzel and Mariana Kozłowska*

