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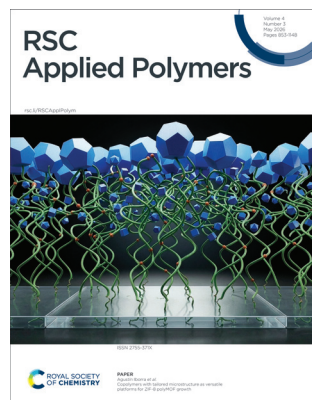
Applied Polymers

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Cover
See Agustin Iborra et al.,
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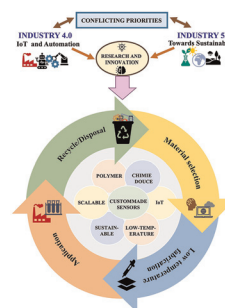
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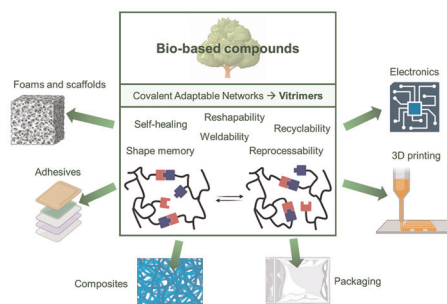
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Edoardo Albertini,* Sara Dalle Vacche and Alessandra Vitale*



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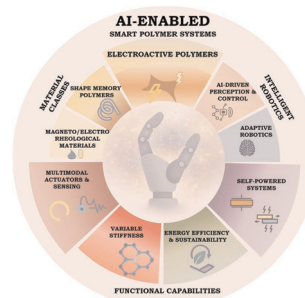
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Nelson Castro,* Carlos M. Costa,* Estela Bicho and Senentxu Lanceros-Mendez

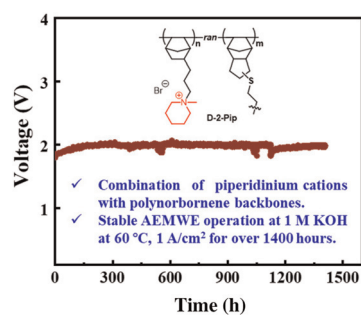


COMMUNICATION

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Preparation and application of piperidinium-functionalized cross-linked polynorbornene-based anion-exchange membranes

Haixia Zhang, Yubing Xiao, Hesong Guo, Xiang Li, Yu Wang* and Wei You*

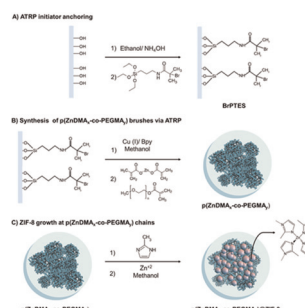


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Copolymers with tailored microstructure as versatile platforms for ZIF-8 polyMOF growth

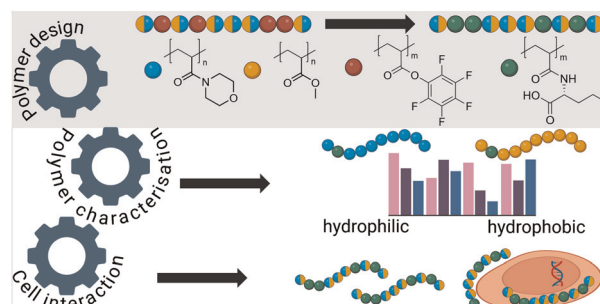
M. Celeste Legarto, Agustín Iborra,* Juan J. Romero, Juan M. Padró, Cristian Villa Pérez, Matías Rafti, Isabel N. Vega and Juan M. Giusti



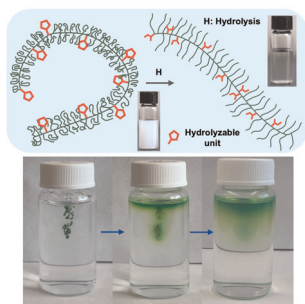
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Design of tuneable, biocompatible anionic polymers by L-norvaline amino acid post-polymerisation modification of pentafluorophenyl acrylate copolymers

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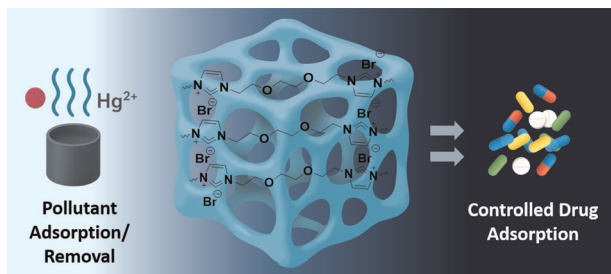
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Multi-responsive polymers with degradable side-chain functionality for controlled hydrolysis and tunable thermal transition

Maryam Behzad Khoshgoee, Mithun Kumar Debnath, Griffin Pardo, Yichun Yuan, Muhammad Zeeshan, Erqian Mao, Thomas G. Gray, Burcu Gurkan, Matthew J. Bertin and Metin Karayilan*

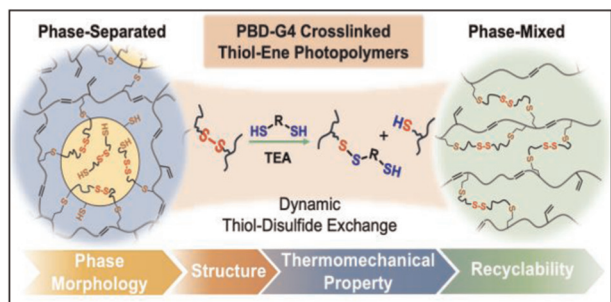
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Imidazolium-mediated poly(ionic liquid) hydrogels for multifunctional pollutant removal systems

Muhammed Yoosuf, Zhaksylyk Suiindik, Sudhir Ravula, Jason E. Bara and Irshad Kammakam*

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Mengdi Chen, Saleh Alfarhan, Reyna Stockwell and Kailong Jin*

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Toward sustainable SLA 3D printing: glycerol-based 1,3-diether-2-methacrylates with solvent capability for *in situ* polymer blend formation

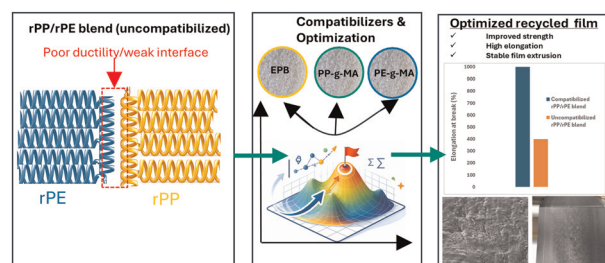
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Model-based optimization of properties of post-consumer recycled PP/PE blends via compatibilization

Sixtus O. Nzeh,* David O. Kazmer, Margaret J. SobkowiczKline, Thao D. Nguyen and David C. Elbert

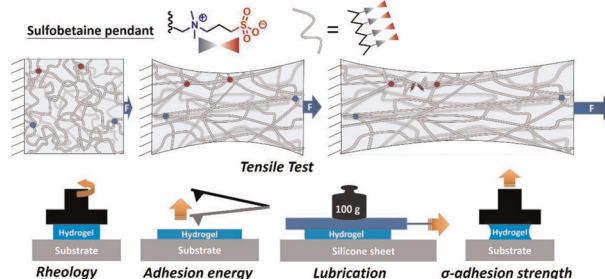


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Mechanical and interfacial properties of zwitterionic hydrogels via a high-entanglement network design: a study of monomer and crosslinker synergy

Ying-Chieh Chuang, Kang-Ting Huang, Jin-Jia Hu and Chun-Jen Huang*

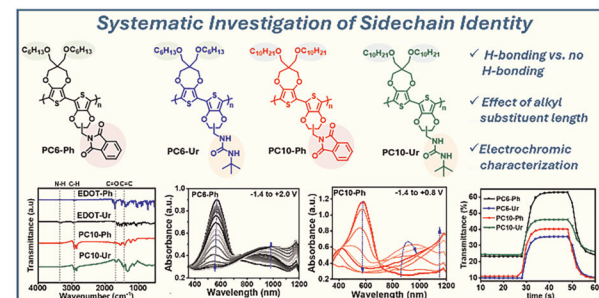
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Systematic investigation of urea containing sidechains in electrochromic ProDOT and EDOT copolymers

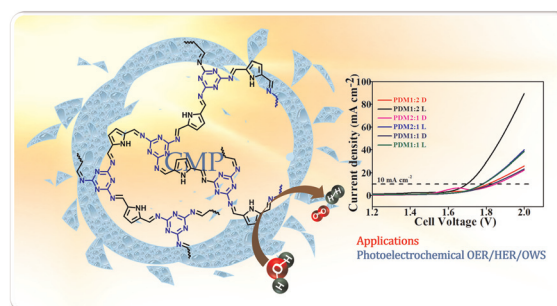
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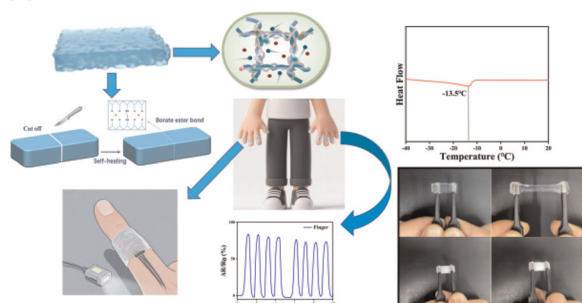
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Low band gap π -conjugated porous polymers as bifunctional photoelectrocatalysts for overall water splitting

Bantumelli Prachuritha, Pranav Utpalla, Dasari Sai Hemanth Kumar and Krishnamurthi Muralidharan*



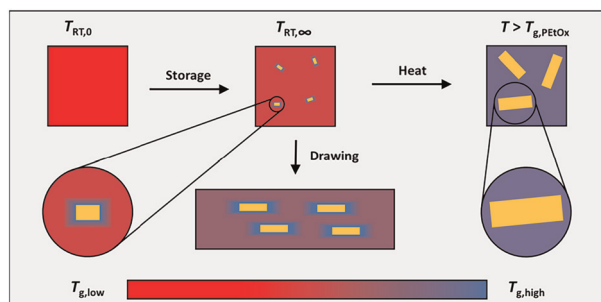
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Multifunctional ion-conductive hydrogels with self-healing, antifreeze, and water-retention capabilities for robust wearable sensing

Zhongyuan Lin, Ze Li, Xinpeng Lv, Yuhang Shen, Chunpeng Ai* and Peng Li*

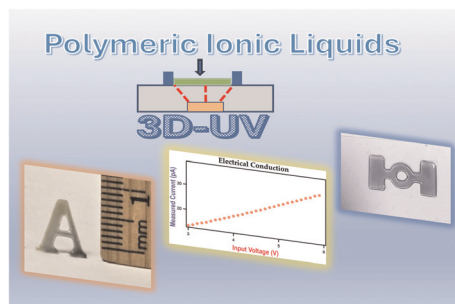
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Unexpected crystallization barrier in partially miscible polymer blends – a new opportunity for tailoring self-reinforcing polymer materials

Robert D. L. Jerusalem, Michail Maricanov, Anas Kerkour el Miad, Hannah Keune, Frank Katzenberg and Joerg C. Tiller*

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Susana Ferrufino Amador, Rudy White, Olivia Downey, Kayla Foy, Rachel Wynn, Hawa Khan, Megan O'Neil, Olivia McNair and Samrat Dutta*

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Violacein-containing chitosan as light-sensitive, antioxidant and antibacterial hydrogels towards sustainable food packaging

Othmane Dardari, Nadia Katir, Mohamed Koubaa and Abdelkrim El Kadib*

