

Polymer Chemistry

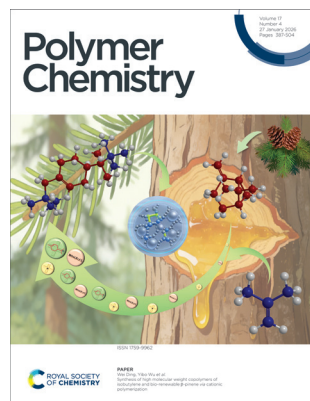
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Cover

See Wei Ding, Yibo Wu *et al.*, pp. 420–429.

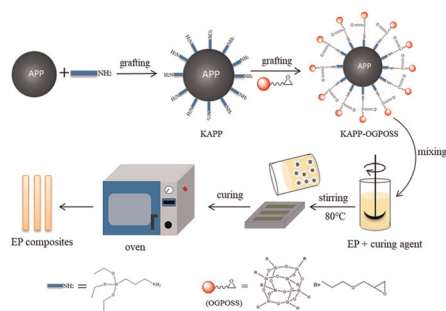
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REVIEW

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Research progress on the synthesis and modification of bio-based flame-retarding epoxy resins

Xiang Zhang, Yi Yang, Ning Ding, Guoqing Chen, Weijun Yang* and Piming Ma*

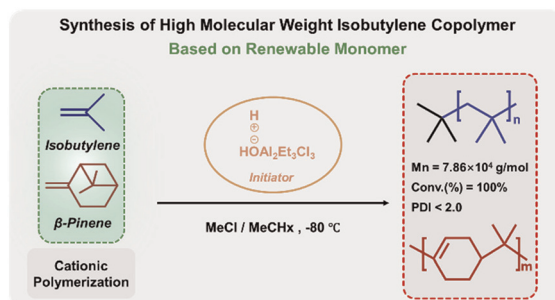


PAPERS

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Synthesis of high molecular weight copolymers of isobutylene and bio-renewable β -pinene via cationic polymerization

Yanqing Feng, Penghui Guo, Jinfang Chu, Wei Ding,* Yushun Jin, Ruofan Liu and Yibo Wu*



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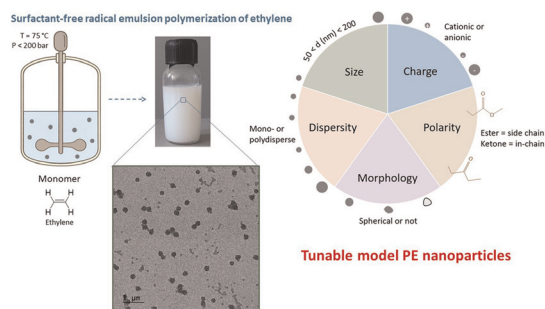
Fundamental questions
Elemental answers



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Surfactant-free synthesis of polyethylene nanoparticles: toward more realistic model nanoplastics

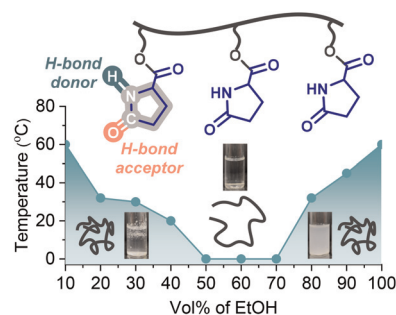
Lea Jacquin, Edgar Espinosa, Pierre-Yves Dugas, Muriel Lansalot, Elodie Bourgeat-Lami, Vincent Monteil and Fabrice Brunel*



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Upper critical solution temperature (UCST) behavior of pyrrolidate-functionalized non-ionic homopolymers: cosolvency in water/alcohol binary solutions

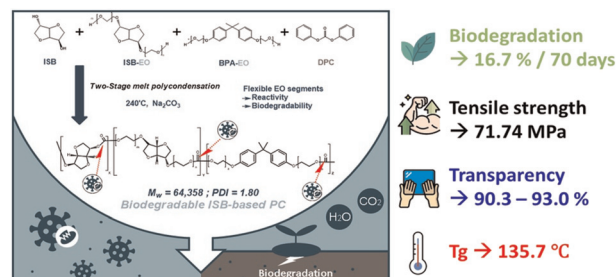
Pampa Chowdhury, Biswajit Saha, Kamal Bauri,* Brent S. Sumerlin* and Priyadarsi De*



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An effective strategy to synthesize a novel biodegradable isosorbide-based polycarbonate

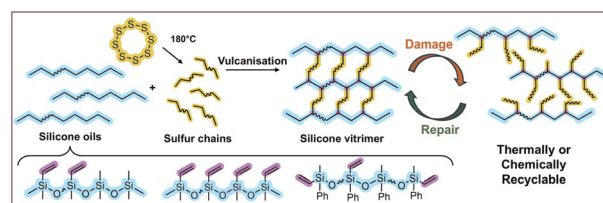
Won-Bin Lim, Gang-Young Lee, Jin-Sik Choi, Jae-Ryong Lee, Jin-Gyu Min, Ju-Hong Lee, Ji-Hong Bae* and PilHo Huh*



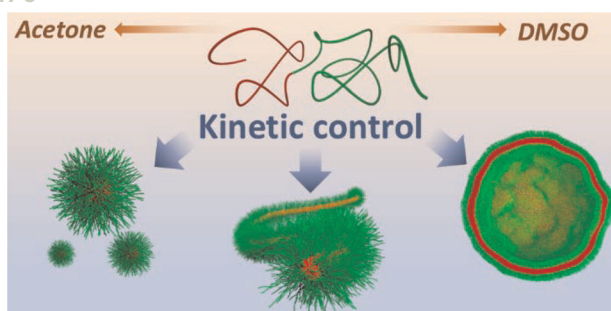
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Silicone vitrimers prepared by vulcanisation of pendant vinylpolysiloxanes with elemental sulfur

Mahsaalsadat Rokni, Zoran Zujovic and Erin M. Leitao*



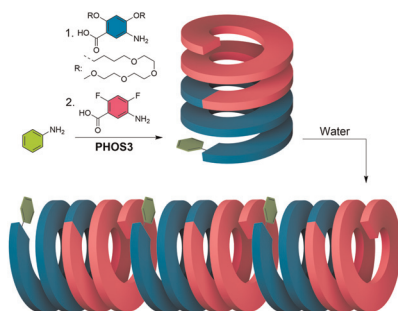
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From spheres to worms to vesicles: kinetic control of nanostructure formation from the same block copolymer

Juliane Eberhardt, Stephanie Hoepfner, Ulrich Mansfeld and Johannes C. Brendel*

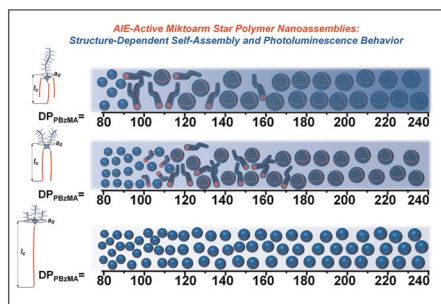
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Living polymerization of an amphiphilic, helical aramid diblock copolymer

Dinh Phuong Trinh Nguyen, Meron Debas, Rafael V. M. Freire, Stefan Salentinig and Andreas F. M. Kilbinger*

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AIE-active miktoarm star polymer nanoassemblies: structure-dependent self-assembly and photoluminescence behavior

Xuehui Liu, Qian Li, Ranran Gao, Qu Wang, Li Wang* and Wantai Yang*

