

Polymer Chemistry

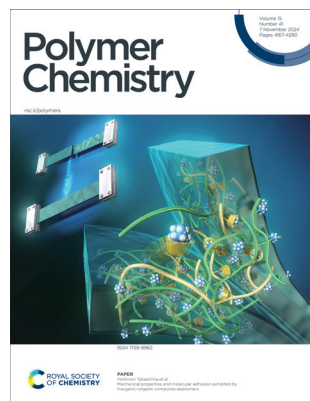
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Cover

See Yoshinori Takashima
et al., pp. 4196–4203.

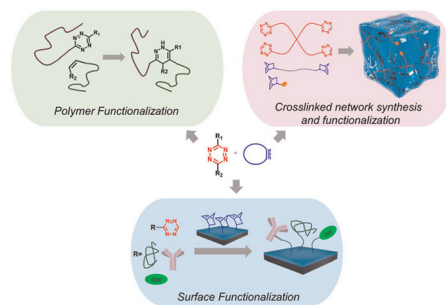
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Polym. Chem., 2024, **15**,
4196.

REVIEW

4173

Tetrazine-based inverse-electron-demand Diels–Alder reaction: a powerful tool for fabrication and functionalization of polymeric materials

Mehmet Arslan,* Aysun Degirmenci, Rana Sanyal and
Amitav Sanyal*

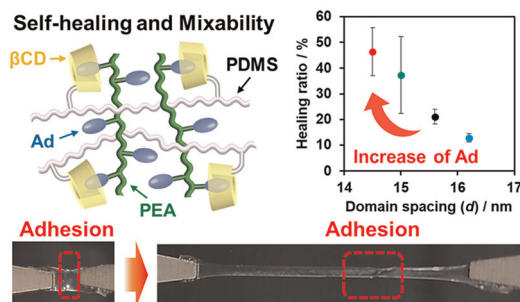


PAPERS

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Mechanical properties and molecular adhesion exhibited by inorganic–organic composite elastomers

Naoki Yamashita, Ryohei Ikura, Kenji Yamaoka,
Nobu Kato, Masanao Kamei, Kentaro Ogura,
Minoru Igarashi, Hideo Nakagawa and
Yoshinori Takashima*



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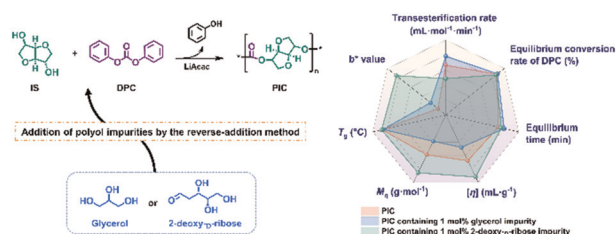


PAPERS

4204

Influence of polyol impurities on the transesterification kinetics, molecular structures and properties of isosorbide polycarbonate

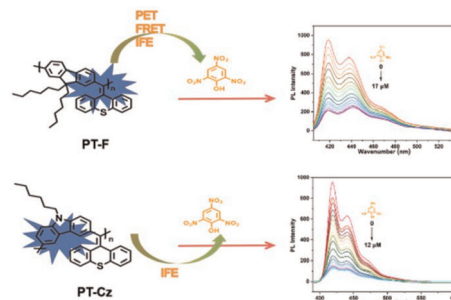
Mingfa Guo, Yaning Wang, Zhenguang Li, Jieli Xu, Qian Chen, Jing Wu* and Huaping Wang



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The synthesis of tetraarylethylene-based conjugated polymers for the application of fluorescence sensing towards nitroaromatics

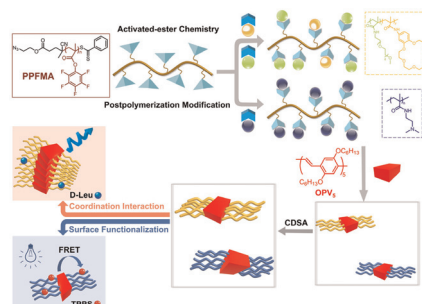
Rentuya Wu, Xiaosong Sun, Wenyue Dong,* Yanwei Li, Qian Duan* and Teng Fei



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A facile and versatile platform for preparing uniform π -conjugated nanofibers with controlled length and varying shells

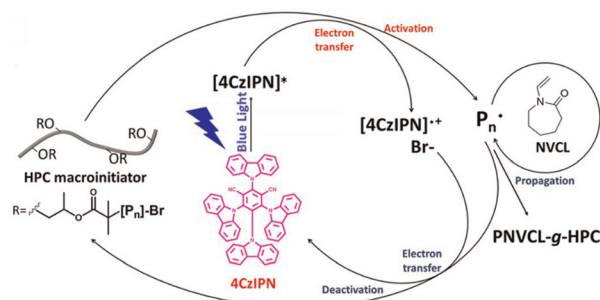
Bo Xiang, Hongluo Wu, Rang Chen, Xiaoyu Huang,* Guolin Lu and Chun Feng*



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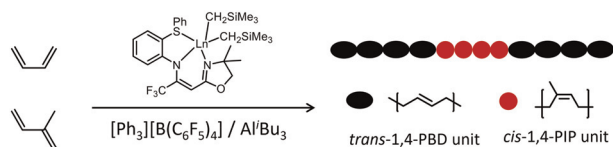
Versatile poly(*N*-vinylcaprolactam)-grafted-hydroxypropyl cellulose polymers with tailored thermo- and pH-responsive properties via sustainable organocatalyzed atom transfer radical polymerization

Muhammad Asif Iqbal, Asif Mahmood, Waheed Al-Masry, Chan Ho Park, Sadaf Ul Hassan* and Toheed Akhter*



PAPERS

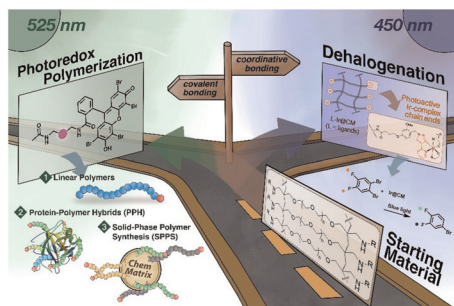
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Polymerization of isoprene and butadiene with unparalleled stereoselectivity catalysed by rare-earth metal cationic species bearing a novel tridentate ligand

Xiuling Wang, Yang Wang, Zhonglei Qin, Liying Shen* and Xiaochao Shi*

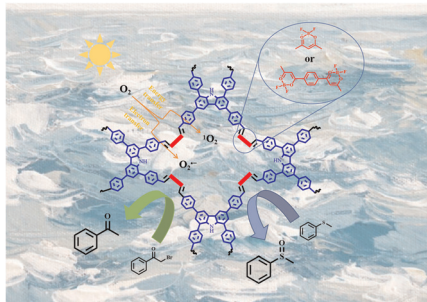
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Heterogeneous catalysis for oxygen tolerant photoredox atom transfer radical polymerization and small-molecule dehalogenation

Kriti Kapil, Mingkan Sun, Ting-Chih Lin, Hironobu Murata, Grzegorz Szczepaniak, Khidong Kim, Stephen DiLuzio, Jaepil Jeong, Mitchell Baumer, Stefan Bernhard, Tomasz Kowalewski and Krzysztof Matyjaszewski*

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Vinylene-linked fully conjugated porous organic polymers based on difluoroboron β -diketonate complexes for green and efficient photocatalysis

Wenshuo Xu, Zehao Zhao, Yiqiong Liu, Dongxin Yang and Weitao Gong*

