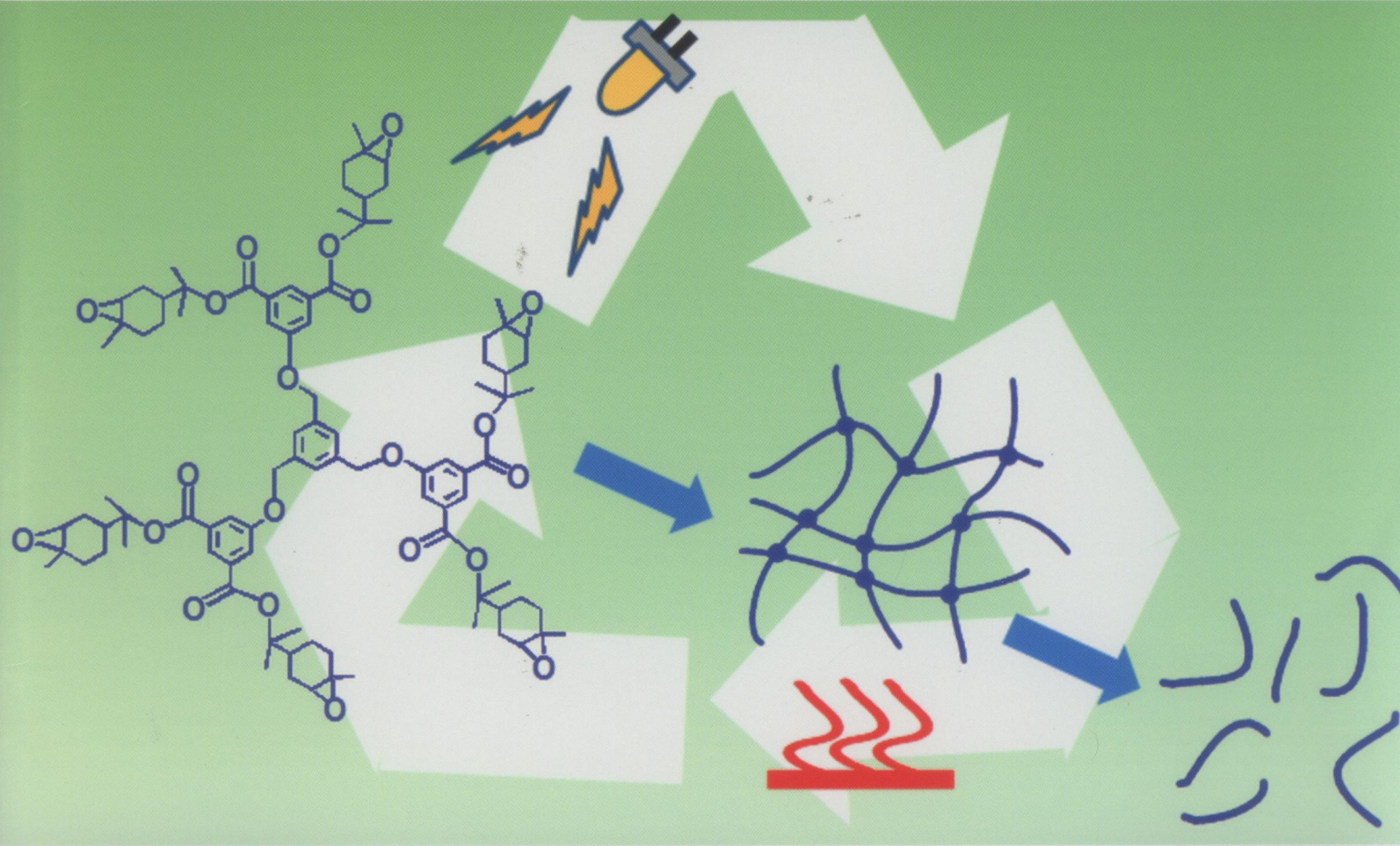


Polymer Journal

Volume 46 Number 12 December 2014

www.nature.com/pj



Self-assembled organic nanotubes capable of encapsulating biomacromolecules

Environmentally friendly degradable photocrosslinkable polymers



The Society of Polymer Science, Japan

nature publishing group



Polymer Journal

Volume 46, Number 12, December 2014

RAPID COMMUNICATION

- 827 **High-strength gel actuator driven by a photothermal effect**
Kunihiko Okano, Aya Nogami and Kouichi Asakura

INVITED REVIEW

- 831 **Self-organized nanotube materials and their application in bioengineering**
Toshimi Shimizu, Hiroyuki Minamikawa, Masaki Kogiso, Masaru Aoyagi, Naohiro Kameta, Wuxiao Ding and Mitsutoshi Masuda

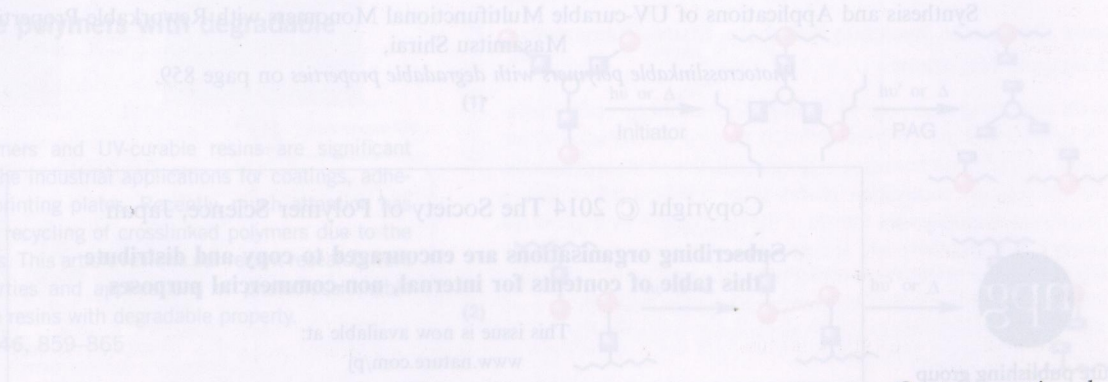
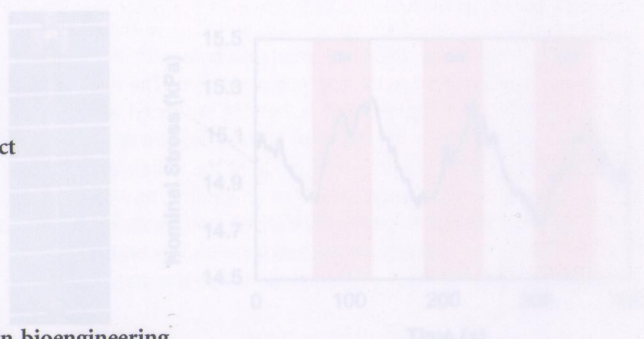
FOCUS REVIEW

- 859 **Photocrosslinkable polymers with degradable properties**
Masamitsu Shirai

ORIGINAL ARTICLES

- 866 **Ring-opening polymerization of ϵ -caprolactone with dilithium tetra-*tert*-butylzincate under mild conditions**
Miyuki Oshimura, Ryo Okazaki, Tomohiro Hirano and Koichi Ute

- 873 **Depth-dependent inhomogeneous characteristics in supported glassy polystyrene films revealed by ultra-low X-ray reflectivity measurements**
Chunming Yang, Kohei Ishimoto, Syunsui Matsuura, Naoki Koyasu and Isao Takahashi



Contents continued ...