

## Review

- Design Parameters of Polymers for Tissue Engineering Applications **Kuen Yong Lee\*** 277

## Articles

- Chondrogenic Differentiation of Bone Marrow Stromal Cells in Transforming Growth Factor- $\beta$ 1 Loaded Alginate Bead **Ki Suk Park, Soon Hee Kim, Gilson Khang\*, Chang Whan Han, Yoon Sun Yang, Moon Suk Kim, and Hai Bang Lee** 285
- Transferrin-Conjugated Liposome/IL-12 pDNA Complexes for Cancer Gene Therapy in Mice **Soo-Yeon Joo, Jin-Seok Kim\*, Heon-Joo Park, and Eun-Kyung Choi** 293
- The Compatibilizing Effect of Maleic Anhydride in Ethylene-Vinyl Acetate (EVA)/Ethylene- $\alpha$ -Olefin Copolymers Blends **Soochul Park and Soonja Choe\*** 297
- Carboxylated Nitrile Elastomer/Filler Nanocomposite: Effect of Silica Nanofiller in Thermal, Dynamic Mechanical Behavior, and Interfacial Adhesion **R. N. Mahaling, G. K. Jana, C. K. Das\*, H. Jeong, and C. S. Ha** 306
- Preparation of Ion Exchange Membranes for Fuel Cell Based on Crosslinked Poly(vinyl alcohol) with Poly(acrylic acid-co-maleic acid) **Dae Sik Kim, Ho Bum Park, Chang Hyun Lee, Young Moo Lee, Go Young Moon, Sang Yong Nam, Ho Sang Hwang, Tae Il Yun, and Ji Won Rhim\*** 314
- Photochromic Polysiloxanes Substituted with 1,2-Bis(2-methylbenzo[b] thiophene-3-yl) Hexafluorocyclopentene **Hee-Won Shin, Yong-Rok Kim\*, and Eunkyong Kim\*** 321
- Preparation and Characterization of pH-Sensitive Poly(ethylene oxide) Grafted Methacrylic Acid and Acrylic Acid Hydrogels by  $\gamma$ -ray Irradiation **Youn Mook Lim, Young Moo Lee, and Young Chang Nho\*** 327
- Synthesis of Dendrimer Based Polymeric and Macrocyclic Complexes with a Platinum-Acetylide p-Conjugated Organometallic Core **Woo-Dong Jang\*** 334
- Preparation and Swelling Characteristics of Hydrogel from Microbial Poly( $\gamma$ -glutamic acid) by  $\gamma$ -Irradiation **Seong-Hyun Choi, Kyung-Sook Whang, Jong-Soo Park, Woo-Young Choi, and Min-Ho Yoon\*** 339
- pH-Induced Micellization of Biodegradable Block Copolymers Containing Sulfamethazine **Woo Sun Shim, Jae Sung Lee, and Doo Sung Lee\*** 344

## Notes

- pH-Induced Micellization of Sulfamethazine-Coupled MPEG-PCLA Block Copolymer **Min Sang Kim, Woo Sun Shim, Ravindra Ramsurat Pal, Jae Sung Lee, Doo Sung Lee\*, and Sung Wan Kim** 352
- Formation of Carbon Nanotube/Glucose-Carrying Polymer Hybrids by Surface-Initiated, Atom Transfer Radical Polymerization **Yong-Won Lee, Sung Min Kang, Kuk Ro Yoon, Young Shik Chi, Insung S. Choi\*, Seok-Pyo Hong, Byung-Chan Yu, Hyun-Jong Paik, and Wan Soo Yun** 356
- The Effects of Silica Nanoparticles on the Photocuring Behaviors of UV-Curable Polyester Acrylate-Based Coating Systems **Jung-Dae Cho, Yang-Bae Kim, Hyoung-Tae Ju, and Jin-Who Hong\*** 362