

ARTICLES

- Enhanced Thermoelectric Performance of CNT Thin Film p/n Junctions Doped with N-Containing Organic Molecules
Hyunwoo Bark, Wonmok Lee, and Hyunjung Lee* 795
- Hexadecyltrimethylammonium Bromide-Modified Sericite Mica-Based Polyimide Composites:
 A Comparison Between *In situ* Polymerization and Solution Intercalation Processes
Qi Zhang, Duxin Li*, Dengwang Lai, and Baoli Ou 802
- Properties of Isotactic Polypropylene/Atactic Polypropylene Blends
Byung-Kook Nam, O Ok Park*, and Sung-Chul Kim* 809
- Preparation and Characterization of Cellulose-ZnO Nanolayer Film by Blending Method
Hyun-U Ko, Amalraj John, Seongcheol Mun, Jongbeom Im, and Jaehwan Kim* 814
- Fabrication of Form-Stable Poly(ethylene glycol)-Loaded Poly(vinylidene fluoride) Nanofibers *via* Single and Coaxial Electrospinning
Thu Thi Dang, Thuy Thi Thu Nguyen, Ok Hee Chung, and Jun Seo Park* 819
- Preparation, Characterization and Luminescence Properties of a Novel 1,10-Phenanthroline-Functionalized
 Polyimide and Its Europium(III) Complexes
Zhiyong Chen, Xuping Li, Xuting Jin, Lijuan Shi, Miaoqing Liu, Zhilin Sun, and Jianjun Lu* 830
- Soluble Para-Linked Aromatic Polyamides with Pendent Groups
Byungyong Lee, Taejoon Byun, Sun Dal Kim, Hyun A Kang, Sang Youl Kim*, and Im Sik Chung* 838
- Effects of Fiber Length Distribution on Flow Property and Internal Microstructure of an Injection Molded Part
Soon Hyoung Hwang, Doo Jin Lee, Hye Rim Youn, Young Seok Song, and Jae Ryoung Youn* 844
- Effect of Heterogeneous Nucleation on Isotactic Polypropylene-Polyoxymethylene Blends Properties and Miscibility
Mateusz Barczewski*, Danuta Matykiewicz, and Jacek Andrzejewski 850
- Characteristics of Carboxymethyl Cellulose/Sericin Hydrogels and the Influence of Molecular Weight of Carboxymethyl Cellulose
Tippawan Siritientong and Pornanong Aramwit* 861
- Study on Waterborne Polyurethanes Based on Poly(dimethyl siloxane) and Perfluorinated Polyether
Yang Du, Zhihui Yang, and Chao Zhou* 867
- IgG Fc-Binding Peptide (FcBP)-Tat Conjugate as a Smart Antibody Carrier into Live Cells
Hyo Jin Kang, Weonu Choe, B. Moon Kim*, and Sang J. Chung* 876

NOTES

- Photo-Crosslinkable Chitosan Hydrogel as a Bioadhesive for Esophageal Stents
Chun Gwon Park, Catherine Shasteen, Zohreh Amoozgar, Joonyoung Park, Se-Na Kim, Ji Eun Lee, Min Jae Lee, Yoorock Suh, Hyun Kwang Seok, Yoon Yeo*, and Young Bin Choy* 882

COMMUNICATIONS

Co-Crystallization Behavior of Biodegradable Poly(butylene succinate-co-adipate-co-terephthalate) Copolyesters

Ye Jin Kim, Gyung Don Kang, Ki Cheol Yoon*, Yunil Hwang, and O Ok Park* 887

ARTICLES

Preparation of the Water-Soluble Fluorene-Containing Fluorescent Polymer by One-Pot Method

Yuan Wang, Haijian Tan, Xiaomeng Li, Yunxia Qian, Libin Bai*, Yonggang Wu, Shufang Lv, and Hongchi Zhao* 891

Synthesis and Morphology of Polyacrylate-Poly(dimethyl siloxane) Block Copolymers for Membrane Application

Mohammad Ali Semsarzadeh* and Maral Ghahramani 898

Self-Assembly of Coil-Rod-Coil Triblock Copolymers Depending on Lateral Methyl Groups at the Interface of Rod and Coil Segments

Shufeng Fan, Zhuoshi Wang, Chengfan Li, Yongri Liang, Tie Chen*, and Long Yi Jin* 909

Influence of Lactic Acid-Grafted Multi-Walled Carbon Nanotube (LA-g-MWCNT) on the Electrical and Rheological Properties of Polycarbonate/Poly(lactic acid)/LA-g-MWCNT Composites

Myung Geun Jang, Yun Kyun Lee, and Woo Nyon Kim* 916

Tri-Layered Silk Fibroin and Poly-ε-Caprolactone Small Diameter Vascular Grafts Tested *In vitro* and *In vivo*

**A Reum Park, Young-Hwan Park*, Hyun Jeong Kim, Min-Keun Kim, Seong-Gon Kim*,
HaeYong Kweon, and Subhas C. Kundu** 924

Synthesis of High-Performance Polymers *via* Copper-Catalyzed Amination of Dibromoarenes with Primary Aromatic Ether Diamines

Zhenfang Shang, Li Yang*, and GuanJun Chang* 937

Study on Curing Behaviors of Epoxy Acrylates by UV with and without Aromatic Component

Donggyu Kim, Hee Jung Park, and Kee Yoon Lee* 944

Effect of Coupling Agents and Ionic Liquid on the Properties of Rice Bran Carbon/Carboxylated Styrene Butadiene Rubber Composites

Yinhang Zhang, Xiangxu Li, Xin Ge, Fei Deng, and Ur Ryong Cho* 952

Synthesis and Characterization of Poly(cyclohexylthioacrylate) (PCTA) with High Refractive Index and Low Birefringence for Optical Applications

Jiye Lee, Hyeonuk Yeo, Munju Goh, Bon-Cheol Ku, Honglae Sohn, Ho-Joong Kim, Jae-Kwan Lee, and Nam-Ho You* 960

Reactive Compatibilization of Polyketone/Ethylene-Octene Rubber Blends by Diaminodecane

Yongho Kim, Choon Soo Lee, Sunghun Kim, Hogun Jung, and Jae Young Jho* 965

Morphology and Mechanical Properties of Polyketone Blended with Polyamide and Ethylene-Octene Rubber

Yongho Kim, Jin Woo Bae, Choon Soo Lee, Sunghun Kim, Hogun Jung, and Jae Young Jho* 971