

REVIWS

Molecular Imaging for *In vivo* Tracking of Stem Cell Fate

Kyoung Soo Lee, Eun Ji Kim, Ji Suk Choi, Ick Chan Kwon, and Yong Woo Cho* 1141

COMMUNICATIONS

Helix-Sense-Selective Anionic Polymerization of (S)-2'-Methyloxy-2-Vinyl-1,1'-Binaphthyl

Ye Hui Chen, Li Wen Yang, Nian Fa Yang*, and Zhu Sheng Yang 1152

Edible HPMC Films with Indomethacin/HPMCP Microparticles in Oral Delivery for Taste-Masking

Dong-Hyun Paik, Ki-Young Jeong, Jung-Hyun Kim, and Sung-Wook Choi* 1156

ARTICLES

Effects of Nanoclay on the Properties of Low Temperature Cured Polyimide System

Kwangin Kim, Taewon Yoo, Ki-Ho Nam, Patrick Han, Wonbong Jang, and Haksoo Han* 1160

The Rheological Design of Aliphatic Polyketone Terpolymer Blends with Polyester Thermoplastic Elastomer

Jeongsik Bae and Byoung Chul Kim* 1165

Highly Stretchable Dielectric Elastomer Material Based on Acrylonitrile Butadiene Rubber

Tien Dat Nguyen, Canh Toan Nguyen, Dong-hyuk Lee, Uikyum Kim, Choonghan Lee, Jae-do Nam, and Hyouk Ryeol Choi* 1170

Quaternary Copolyimides with Various Monomer Contents: Thermal Property and Optical Transparency

Jeong-Cheol Kim and Jin-Hae Chang* 1178

Carbon Nanotube Mat Reinforced Thermoplastic Composites with a Polymerizable, Low-viscosity Cyclic Butylene Terephthalate Matrix

Ye Ji Noh, Han Sang Kim*, and Seong Yun Kim* 1183

Effect of Al₂O₃ Coatings Prepared by RF Sputtering on Polyethylene Separators for High-Power Lithium Ion Batteries

Taejoo Lee, Wan-Keun Kim, Yunju Lee, Myung-Hyun Ryou*, and Yong Min Lee* 1190

Synthesis Backbone-Dual-Responsive of Hyperbranched Poly(bis(*N,N*-ethyl acrylamide))s by RAFT

Yonggang Wu, Guang Li, Libin Bai*, Wenliang Li, Sujuan Wang, Xinwu Ba*, Guoqiang Zhou, and Hongchi Zhao 1196

pH-Sensitive Hydrogels Based on (Meth)Acrylates and Itaconic Acid

Simonida Lj. Tomić*, Marija M. Babić, Katarina M. Antić, Jovana S. Jovašević Vuković, Neda B. Malešić, and Jovanka M. Filipović 1203

Effect of Membrane Electrode Assembly Fabrication Method on the Single Cell Performances of

Polybenzimidazole-Based High Temperature Polymer Electrolyte Membrane Fuel Cells

JuYeon Lee, Jeawoo Jung, Jun Young Han, Hyoung-Juhn Kim*, Jong Hyun Jang*, Hye-Jin Lee, Eun Ae Cho, Dirk Henkensmeier, Jin Young Kim, Sung Jong Yoo, Seong-Ahn Hong, and Sang Yong Nam 1214

Effects of Carbon Nanotube Dispersion Methods on the Radar Absorbing Properties of MWCNT/Epoxy Nanocomposites

Bien Dong Che, Le-Thu T. Nguyen*, Bao Quoc Nguyen, Ha Tran Nguyen, Thang Van Le, and Nieu Huu Nguyen* 1221

Preparation of Topographically Modified Poly(*L*-lactic acid)-*b*-Poly(*ε*-caprolactone)-*b*-Poly(*L*-lactic acid)Tri-Block Copolymer Film Surfaces and Its Blood Compatibility

Seung Il Kim, Bo Ram Lee, Jin Ik Lim, Cho Hay Mun, Youngmee Jung, Ji-Heung Kim, and Soo Hyun Kim* 1229

NOTES

Compression Behavior of a Pressure-Sensitive Adhesive Material

Junhan Cho* 1238

ARTICLES

- Effect of Tetrapod ZnO Whiskers on the Physical and Moisture Barrier Properties of Transparent Polyimide/TZnO-W Composite Films
Ki-Ho Nam, Dowan Kim, Jongchul Seo, Kwangwon Seo, and Haksoo Han* 1243
- Effect of Small Intestinal Submucosa Sponges on the Attachment and Proliferation Behavior of Schwann Cells
Kap-Soo Han, Hyun Ah Ko, Na Keum Jang, Jeong Eun Song, and Gilson Khang* 1253
- Entrapment Characteristics of Hydrosoluble Vitamins Loaded into Chitosan and *N,N,N*-Trimethyl Chitosan Nanoparticles
Douglas de Britto*, Marcia R. de Moura, Fauze A. Aouada, Flávia G. Pinola, Lícia M. Lundstedt, Odílio B. G. Assis, and Luiz H. C. Mattoso 1261
- Fabrication and Characterization of Three-Dimensional Silk Fibroin Scaffolds Using a Mixture of Salt/Sucrose
Bo Mi Moon, Dong-Kyu Kim, Hyun Jung Park, Hyung Woo Ju, Ok Joo Lee, Jung-Ho Kim, Jung Min Lee, Joong Seob Lee, and Chan Hum Park* 1268
- PVDF Hollow Fiber Formation via Modified NIPS Method: Evolution Elucidation of Phase Separation Mechanism, Structure and Properties of Membrane with Coagulation Strength Varied
Yu Zhu and Zhaocai Zhang* 1275
- Immobilization of Glucose Oxidase Attached to New Nanospheres Including Azomethine
Nurbanu Özdem, Elvan Hasanoğlu Özkan, Nurşen Sarı*, Fatma Arslan, and Hayrettin Tümtürk 1282
- Fabrication and Characterization of Electrospun Curcumin-Loaded Polycaprolactone-Polyethylene Glycol Nanofibers for Enhanced Wound Healing
Hieu Trung Bui, Ok Hee Chung, Joseph Dela Cruz, and Jun Seo Park* 1288
- Fabrication of Recombinant Human Bone Morphogenetic Protein-2 Coated Porous Biphasic Calcium Phosphate-Sodium Carboxymethylcellulose-Gelatin Scaffold and Its *In vitro* Evaluation
Avik Sarker, Nguyen Thuy Ba Linh, Hae Il Jung, Hyun Seok Seo, and Byong Taek Lee* 1297
- Facile Synthesis of Block Copolymers from a Cinnamate Derivative by Combination of AGET ATRP and Click Chemistry
Chuanjie Cheng*, Xiongxiong Bai, Xu Zhang, Ming Chen, Qinghua Huang, Zhongyu Hu, and Yuanming Tu 1306
- Properties of Poly(ethylene glycol)-Grafted Poly(lactic acid) Plasticized with Poly(ethylene glycol)
Kyung-Man Choi, Sung-Wook Lim, Myeon-Cheon Choi, Dong-Hun Han, and Chang-Sik Ha* 1312
- Dual Growth Factor-Loaded Core-Shell Polymer Microcapsules Can Promote Osteogenesis and Angiogenesis
Ramesh Subbiah, Ping Du, Mintai Peter Hwang, In Gul Kim, Se Young Van, Yong Kwan Noh, Hansoo Park, and Kwideok Park* 1320
- Radical Copolymerization of Acrylic Acid and OEGMA₄₇₅: Monomer Reactivity Ratios and Structural Parameters of the Copolymer
Hossein Abdollahi, Vahid Najafi*, Farshid Ziae, Kourosh Kabiri, and Farhad Narimanipour 1330
- Molecular Weight Effect of Partially Sulfonated PS-*b*-PDMS Diblock Copolymers as Proton Exchange Membrane for Direct Methanol Fuel Cell
Seulgi Kim, Hae Woong Park, Hyunjung Lee*, Taihyun Chang, and Wonmok Lee* 1337

NOTES

- Synthesis and Preparation of Alkyl-Functionalized Graphene Oxide/Polyimide Nanocomposites
Do Hoon Lee, Hyeonuk Yeo, Gi Ryeong Kim, Seokhoon Ahn, Munju Goh, Bon-Cheol Ku, Joong Hee Lee, Byoungnam Park, and Nam-Ho You* 1344
- Nonvolatile Insect Repelling Agent Prepared by Grafting of Permethrin on Polybutadiene
Minkwan Kim, Seung Han Seo, and Han Do Ghim* 1348