## 『Macromolecular Research』 목차-

17권 11호 · 2009년 11월

	•	4 •
Comr	กแทเดร	ations

Modified Sulfonated Pol Cell Application	y (arylene ether sulfone) Membranes Prepared via a Radiation Grafting Method for Fuel Chi Hoon Park, Dong Won Shin, Young Moo Lee*, Phil Hyun Kang, and Young Chang Nho	825
Articles		
Group Contribution Meth Solutions	nod for Group Contribution Method for Estimation of Vapor Liquid Equilibria in Polymer  Suk Yung Oh and Young Chan Bae*	829
Enhanced Crystallization Ionomers	of Bisphenol—A Polycarbonate by Organoclay in the Presence of Sulfonated Polystyrene Patakamuri Govindaiah, Jung Min Lee, Seung Mo Lee, Jung Hyun Kim*, and Sankaraiah Subramani	842
	ratin Composite Nanofibrous Mats for Biomedical Applications -Woo Park, Jia Geng, Inn-Kyu Kang*, Jian Shen, Wan Meng, Kyoung-Jin Shim, In-Suk Han, and Jung-Chul Kim	850
Effects of Nucleating Age Polyurethane Foams	ents on the Morphological, Mechanical and Thermal Insulating Properties of Rigid Ji Woung Kang, Ji Mun Kim, Min Soo Kim, Youn Hee Kim, Woo Nyon Kim*, Won Jang, and Dae Sig Shin	856
Polycarbonate/Multi-	Carbon Nanotube Dispersion on the Electrical, Morphological and Rheological Properties of walled Carbon Nanotube Composites  Kyun Lee, Woo Nyon Kim*, Heon Sang Lee, Jin Soo Joo, Min Park, Hyun Jung Lee, and Chong Rae Park	863
Effect of Substituted Trifl	uoromethyl Groups on Thermal and Mechanical Properties of Fluorine—containing Epoxy Resin  Gun-Young Heo and Soo-Jin Park*	870
New Photorefractive Po	lymer Composites Doped with Liquid Nonlinear Optical Chromophores	874
Reactive Hot Melt Polyu	rethane Adhesives Modified by Acrylic Copolymer Nanocomposites  Youn Bok Cho, Han Mo Jeong*, and Byung Kyu Kim	879
Surface Characterization	and Morphology in Ar-Plasma-Treated Polypropylene Blend  Jong-Il Weon and Kil-Yeong Choi*	886
Charge Carrier Photoger Organic-Inorganic Hy	neration and Hole Transport Properties of Blends of a $\pi$ -Conjugated Polymer and an brid Material	
	Jungwook Han, Jongdeok An, R. N. Jana, Kyungna Jung, Junghwan Do, Seungmoon Pyo, and Chan Im*	894
Rapid Formation of Optic Microwave Irradiation	ally Active and Organosoluble Polyamides Containing L-Alaninephthalimide Side Chain via  Shadpour Mallakpour* and Zahra Rafiee	901
Changes in the Moisture	$Stability\ of\ CaS: Eu^{2^+}\ Phosphors\ with\ Surface\ Coating\ Methods\\ \textbf{Sun\ Hwa\ Yoo\ and\ Chang\ Keun\ Kim*}$	907
	ganosoluble Poly (amide-imide) s Derived from $N,N'$ -(Pyromellitoyl) bis- $L$ -histidine and and Characterization Khalil Faghihi*, Meisam Shabanian, and Mohsen Hajibeygi	912
Enzymatic Formation of 12-Hydroxystearic A	13,26-Dihexyl-1,14-dioxacyclohexacosane-2,15-dione via Oligomerization of cid Chan Woo Lee*, Yoshiharu Kimura, and Jin Do Chung	919
Encapsulation of Nanoma	aterials within Intermediary Layer Cross-linked Micelles Using a Photo-Cross-linking Agent  Jin Sook Kim and Ji Ho Youk*	926
Notes		
Miniemulsion Polymeriz	ation of Styrene in the Presence of Graphite Nanosheets	

931

Jeongwoo Lee, Jinho Hong, Sang Eun Shim\*, and Dongsoo Jung

## 『Macromolecular Research』 목자

17권 12호 · 2009년 12월

Silk Protein as a Fascinating Biomedical Polymer: Structural Fundamentals and Applications Chang Seok Ki, Young Hwan Park\*, and Hyoung-Joon Jin 935 **Articles** Rheology of Decamethylceclopen-tasiloxane (cyclomethicone) W/O Emulsion System Min Hyung Choi, Sora Jeong, Sang In Nam, Sang Eun Shim, and Yoon Ho Chang\* 943 Physical and Rheological Properties of Thermoplasticized Crosslinked-Polyethylene Foam in Supercritical Methanol Hang-Kyu Cho, Soon Man Hong, Kyung-Yeol Baek, Chong Min Koo\*, Hong-Shik Lee, and Youn-Woo Lee\* 950 Effect of Nonlamellar-Prone Lipids on Protein Encapsulation in Liposomes Taeho Ahn\*, Youn-Tae Chi, and Chul-Ho Yun\* 956 New Liquid Crystal-Embedded PVdF-co-HFP-Based Polymer Electrolytes for Dye-Sensitized Solar Cell Applications G. Vijayakumar, Meyoung Jin Lee, Myungkwan Song, Sung-Ho Jin\*, Jae Wook Lee\*, Chan Woo Lee, Yeong-Soon Gal, Hyo Jin Shim, Yongku Kang, Gi-Won Lee, Kyungkon Kim, Nam-Gyu Park, and Suhkmann Kim\* 963 Topical Delivery of Budesonide Emulsion Particles in the Presence of PEO-PCL-PEO Triblock Copolymers Jin Hun Cho, Hyon Ho Baek, Jung Min Lee, Jung Hyun Kim\*, Dae Duk Kim, Heui Kyoung Cho, and In Woo Cheong\* 969 The Alignment of Liquid Crystals on the Film Surfaces of Soluble Aromatic Polyimides Bearing t-Butylphenyl and Trimethylsilylphenyl Side Groups 976 Suk Gyu Hahm, Kyeong Sik Jin, Samdae Park, Moonhor Ree\*, Hyung-Sun Kim, Soon-Ki Kwon\*, and Yun-Hi Kim Hybrid Nanocomposites of Palladium Nanoparticles Having POSS and MWNTs via Ionic Interactions Jong-hwan Jeon, Jung-hyurk Lim, and Kyung-min Kim\* 987 Luminescent Polynorbornene/Quantum Dot Composite Nanorods and Nanotubes Prepared from AAO Membrane **Templates** Sewon Oh, Young Hyun Cho, and Kookheon Char\* 995 Copolymerization of N-Vinyl Pyrrolidone with Functionalized Vinyl Monomers: Synthesis, Characterization and Reactivity Relationships S. Vijaykumar, S. Prasannkumar, B. S. Sherigara\*, N. B. Shelke, Tejraj M. Aminabhavi\*, and B. S. R. Reddy 1003 Core-shell Poly (D,L-lactide-co-glycolide)/Poly (ethyl 2-cyanoacrylate) Microparticles with Doxorubicin to Reduce Initial Burst Release Sang-Hyuk Lee, Hyon-Ho Baek, Jung Hyun Kim\*, and Sung-Wook Choi 1010 DSC Analysis on Water State of Salvia Hydrogels Rike Yudianti\*, Myrtha Karina, Masahiro Sakamoto, and Jun-ichi Azuma 1015 The Effect of Oligomer Blending on the Flow Properties of Polycarbonate Sunghwan Cho, Sunmi-Kim, Misuk-Cho, Youngkwan Lee\*, Dongmin Kim, and Whangi Kim 1021 Synthesis and Characterization of Biodegradable Thermo- and pH-Sensitive Hydrogels Based on Pluronic F127/ Poly ( $\varepsilon$ -caprolactone) Macromer and Acrylic Acid Sanping Zhao\*, Mengjie Cao, Jun Wu, and Weilin Xu 1025 The Performance of Nafion-Based IPMC Actuators Containing Polypyrrole/Alumina Composite Fillers 1032 Jang-Woo Lee, Ji-Hye Kim, Yoon Soo Chun, Young Tai Yoo\*, and Soon Man Hong

## Notes

In vitro and in vivo Characterization of a Coronary Stent Coated with an Elastic Biodegradable Polymer for the Sustained Release of Paclitaxel

Young Min Shin, Kwang Suk Lim, Ji Yong Jin, Sung In Jeong, Young Moo Lee, Heungsoo Shin\*, and Kyung-Soo Kim\* 1039

Liquid Crystal Photoalignment by a Polymaleimide Having a Photoreactive 2-Styrylpyridine Derivative as a N-Substituent

Jin Woo Kim, Kyungun Min, Woo-Sik Kim\*, Seung Hun Jeon, and Won Suk Chang 1043