

Myungeun Seo



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APPOINTMENTS

Graduate School of Nanoscience and Technology, KAIST	
Assistant, Associate Professor	2013 – present
Department of Chemistry and KI for the Nanocentury, KAIST	
Adjunct Professor	2017 - present
Department of Chemistry, University of Minnesota	
Postdoctoral Associate (Advisor: Marc A. Hillmyer)	2009 – 2013
Department of Chemistry, KAIST	
Postdoctoral Associate (Advisor: Sang Youl Kim)	2008 – 2009

EDUCATION

Department of Chemistry, KAIST	
M.S., Ph.D. (Advisor: Sang Youl Kim)	2004, 2008
B.S. (Second on the list, Chief Director Award for Graduation)	2002

SHORT BIOGRAPHY

Myungeun Seo is a young polymer chemist interested in controlled polymer synthesis, polymer/small molecule self-assembly, and porous polymers for environmental and energy applications. He has published more than 40 papers in peer-reviewed journals including *Science*, *Journal of the American Chemical Society*, *Angewandte Chemie International Edition*, *Advanced Materials*, and *Macromolecules*, and also written a book chapter in “Submicron Porous Materials” published by Springer. He has co-organized an ACS PMSE symposium in ACS 2018 Spring, and has served as a chairperson in ACS (2018) and Pacificchem (2015) meetings. He is a recipient of Wiley-PSK JPS Young Scientist Award (2015) and KAIST EWon Assistant Professorship (2015-2018). In 2016, he was named as one of “Asia’s Rising Scientists” by Asian Scientist Magazine.

SELECTED HONORS AND AWARDS

2016 Distinguished Teaching Award (Graduate School), College of Natural Sciences, KAIST (2017)
2015 Wiley-PSK JPS Young Scientist Award (2015)
2014 Distinguished Teaching Award (Graduate School), College of Natural Sciences, KAIST (2015)
EWon Assistant Professorship, KAIST (2015-2018)
Chief Director Award for Graduation (second on the list), KAIST (2002)

SELECTED PUBLICATIONS

Peer-Reviewed Journals

Jongmin Park, KyuHan Kim and **Myungeun Seo**, Hyper-cross-linked polymer with controlled multiscale porosity via polymerization-induced microphase separation within high internal phase emulsion", *Chem. Commun.* ASAP.

Jaehoon Oh, Bomi Kim, Sangmin Lee, Shin-Hyun Kim*, and **Myungeun Seo***, Semipermeable microcapsules with a block polymer-templated nanoporous membrane. *Chem. Mater.* 30, 273-279 (2018).

Nam Young Ahn and **Myungeun Seo***, Heteroarm core cross-linked star polymers via RAFT copolymerization of styrene and bismaleimide. *RSC Adv.* 6, 47715-47722 (2016).

Jaehoon Oh and **Myungeun Seo***, Photoinitiated polymerization-induced microphase separation for the preparation of nanoporous polymer films. *ACS Macro Lett.* 4, 1244-1248 (2015).

Jisung Kim, Jinhee Lee, Woo Young Kim, Hyungjun Kim, Sanghwa Lee, Hee Chul Lee, Yoon Sup Lee, **Myungeun Seo*** and Sang Youl Kim*, Induction and control of supramolecular chirality by light in self-assembled helical nanostructures. *Nat. Commun.* 486, 29-39 (2015).

Myungeun Seo*, Soobin Kim, Jaehoon Oh, Sun-Jung Kim and Marc A. Hillmyer, Hierarchically porous polymers from hyper-cross-linked block polymer precursors. *J. Am. Chem. Soc.* 137, 600-603 (2015).

Myungeun Seo and Marc A. Hillmyer*, Reticulated nanoporous polymers by controlled polymerization-induced microphase separation. *Science* 336, 1422-1425 (2012).

Myungeun Seo, Benjamin J. Beck, Jos M. J. Paulusse, Craig J. Hawker* and Sang Youl Kim*, Polymeric nanoparticles via noncovalent cross-linking of linear chains. *Macromolecules* 41, 6413-6418 (2008).

Myungeun Seo, Gon Seo and Sang Youl Kim*, Molecular self-assembly of macroporous parallelogrammatic pipes. *Angew. Chem. Int. Ed.* 45, 6306-6310 (2006).

Book Chapters

Myungeun Seo, Robust mesoporous polymers derived from cross-linked block polymer precursors. In *Submicron Porous Materials*; Paolo Bettotti Ed.; Springer (2017).