

Short Talk Session (P069-P112) - November 26, 10:35-11:40

Time frame	No.	Poster No.	Presenter	Poster Title
10:35 – 10:53				Group I
	1	P069	Artem Barabanov	Kinetic study of bis(imino)pyridine cobalt complex supported on silica: effect of temperature on the number of active sites, propagation rate constant and MWD of polyethylene produced Artem Barabanov , Nina Semikolenova, Vladimir Zakharov, and Mikhail Matsko <i>Boreskov Institute of Catalysis SB RAS, Russian Federation</i>
	2	P071	Ruihua Cheng	Mo-modified Phillips CrOx/SiO ₂ catalyst for ethylene polymerization Ruihua Cheng , Yue Ma, Jiajun Li, and Boping Liu <i>State Key Laboratory of Chemical Engineering, East China University of Science and Technology, China</i>
	3	P072	Connah Burnett	A new catalytic mechanism for end-functional polyolefin-polar block copolymers Connah Burnett , Paul Goring, Christopher Kay, and Peter Scott <i>Department of Chemistry, University of Warwick, United Kingdom</i>
	4	P073	Yusuke Bando	Fabrication of ultra-high molecular weight polyethylene fine particles by MgO/MgCl ₂ /TiCl ₄ core-shell nanocatalyst Yusuke Bando , Patchanee Chammingkwan, Minoru Terano, and Toshiaki Taniike <i>School of Materials Science, Japan Advanced Institute of Science and Technology, Japan</i>
	5	P074	Paul D. Goring	Polyethylene block copolymers: a versatile, 2-step synthesis exploiting a novel radical mechanism Paul D. Goring , Christopher J. Kay, Connah A. Burnett, and Peter Scott <i>Department of Chemistry, University of Warwick, United Kingdom</i>
	6	P076	Bulbul Maira	New reactor granule technology for fabrication of functionally advantageous highly filled nanocomposites Bulbul Maira , Minoru Terano, and Toshiaki Taniike <i>School of Materials Science, Japan Advanced Institute of Science and Technology, Japan</i>
	7	P077	Qiaoqiao Sun	Effect of F-modification over Phillips Cr/SiO ₂ catalyst for ethylene polymerization Qiaoqiao Sun , Zhen Liu, Ruihua Cheng, and Boping Liu <i>State Key Laboratory of Chemical Engineering, East China University of Science and Technology, China</i>
	8	P078	Hidenori Otake	Effect of crystallization temperature on formation of microvoids during uniaxial elongation of β-form iPP Hidenori Otake , Takahiko Kawai, and Shin-ichi Kuroda <i>School of Science and Technology, Gunma University, Japan</i>
10:53 – 11:11				Group II
	9	P080	Sven Nietzel	Organic nanoparticles as fragmentable support for Ziegler-Natta catalysts Sven Nietzel , ^a Frank Schellenberger, ^a Abdulhamid A. Alsaygh, ^b Markus Klapper, ^a and Klaus Müllen ^a ^a Max Planck Institute for Polymer Research, Germany ^b King Abdulaziz City for Science and Technology, Saudi Arabia
	10	P081	Patchanee Chammingkwan	High-throughput screening of structure modulators in magnesium ethoxide synthesis Patchanee Chammingkwan , Toshiaki Taniike, and Minoru Terano <i>School of Materials Science, Japan Advanced Institute of Science and Technology, Japan</i>
	11	P082	Zhou Tian	From process conditions to polymer chain microstructure: modeling and analysis of an industrial catalytic ethylene polymerization reactors series Zhou Tian , ^a Na Luo, ^a Ke-Ran Chen, ^b Bo-Ping Liu, ^b and Feng Qian ^a ^a Key Laboratory of Advanced Control and Optimization for Chemical Processes, East China University of Science and Technology, China ^b State Key Laboratory of Chemical Engineering, East China University of Science and Technology, China
	12	P085	Tibor Macko	New liquid chromatography mode for separation of polypropylene Sampat Singh Bhati, Tibor Macko , and Robert Brüll <i>Fraunhofer Institute for Structural Durability and System Reliability LBF, Germany</i>

	13	P086	Tibor Macko	Quantitative comparison of both chemical composition and molar mass distribution of ethylene-propylene copolymers Sampat Singh Bhati, Tibor Macko , and Robert Brüll <i>Fraunhofer Institute for Structural Durability and System Reliability LBF, Germany</i>
	14	P087	Wei Zhu	A novel SiO ₂ -supported Ti/Mg Ziegler-Natta catalyst for propylene polymerization Wei Zhu , Zhou Tian, Ruihua Cheng, and Boping Liu <i>State Key Laboratory of Chemical Engineering, East China University of Science and Technology, China</i>
	15	P088	Shouta Okihiro	Preparation of PP/SiO ₂ nanocomposites through in-situ grafting of end-functionalized PP to nanoparticles Shouta Okihiro , Masahito Toyonaga, Patchanee Chammingkwan, Toshiaki Taniike, and Minoru Terano <i>School of Materials Science, Japan Advanced Institute of Science and Technology, Japan</i>
	16	P090	Yulong Jin	Novel Cr–V bimetallic catalysts supported by chemically-modified SiO ₂ for making bimodal polyethylene products Yulong Jin , Ning Zhao, Ruihua Cheng, and Boping Liu <i>State Key Laboratory of Chemical Engineering, East China University of Science and Technology, China</i>
11:11 – 11:29				Group III
	17	P091	Ashutosh Thakur	Identification of regiodefects in polypropylene formed in quasi-living stopped-flow polymerization process Ashutosh Thakur , Minoru Terano, and Toshiaki Taniike <i>School of Materials Science, Japan Advanced Institute of Science and Technology, Japan</i>
	18	P093	Kyoko Hiroike	Spectral separation of mixtures of polymers by diffusion-ordered spectroscopy (DOSY) at high temperature Kyoko Hiroike , Hiroko Sato, and Mitsuhiro Onda <i>Analysis Research Lab. Mitsui Chemical Analysis & Consulting Service, Inc., Japan</i>
	19	P094	Supawadee Poonpong	Structure-performance relationship of various di- and trialkoxysilane external donors used in propylene polymerization Supawadee Poonpong , Patchanee Chammingkwan, Toshiaki Taniike, and Minoru Terano <i>School of Materials Science, Japan Advanced Institute of Science and Technology, Japan</i>
	20	P095	Dominique W. Sauter	Original synthesis of a well-defined silica based activating support for metallocene compounds and its application on slurry polymerization of ethylene Dominique W. Sauter , ^a Muhammad A. Bashir, ^a Kai C. Szeto, ^a Nicolas Popoff, ^a Laurent Delevoye, ^b Régis M. Gauvin, ^b Mostafa Taoufik, ^a and Christophe Boisson ^a ^a C2P2 Laboratory, Université Lyon1, France ^b Université Lille Nord de France, Unité de Catalyse et de Chimie du Solide, France
	21	P098	Ryuki Baba	Design of coordination environment of silsesquioxane-supported chromium catalyst for ethylene polymerization Ryuki Baba , Yanning Zeng, Patchanee Chammingkwan, Toshiaki Taniike, and Minoru Terano <i>School of Materials Science, Japan Advanced Institute of Science and Technology, Japan</i>
	22	P099	Xuelian He	Molecular dynamics study of the combined effects of chain length with temperature on polyethylene isothermal crystallization Xuelian He , Rui Gao, Haiyang Zhang, Yunqi Shao, Zhen Liu, and Boping Liu <i>State Key Laboratory of Chemical Engineering, East China University of Science and Technology, China</i>
	23	P100	Takumitsu Kida	Oriental behaviours of polyolefin materials determined by rheo-Raman spectroscopy Takumitsu Kida , Yusuke Hiejima, and Koh-hei Nitta <i>Graduate School of Natural Science and Technology, Kanazawa University, Japan</i>

	24	P101	Goond Hongmanee	<p>Investigation of heat generation during initial stage of gas-phase propylene polymerization on a Ziegler-Natta catalyst</p> <p>Goond Hongmanee,^a Fabiana N. Andrade,^b Aarón J. Cancelas,^b Timothy F.L. McKenna,^b and Minoru Terano^a</p> <p>^a<i>School of Materials Science, Japan Advanced Institute of Science and Technology, Japan</i></p> <p>^b<i>C2P2 - LCPP Group, Université de Lyon, France</i></p>
11:29 – 11:40				Group IV
	25	P102	S. M. Mahdi Mortazavi	<p>New route for thermal-mechanical shearing devulcanization of waste automotive EPDM rubber using disulfide oil</p> <p>Malihe Sabzekar,^a Mahdi Pourafshari Chenar,^a Gholamhossein Zohuri,^{b,c} and S. M. Mahdi Mortazavi^{a,d}</p> <p>^a<i>Chemical Engineering Department, Ferdowsi University of Mashhad, Iran</i></p> <p>^b<i>Department of Chemistry, Ferdowsi University of Mashhad, Iran</i></p> <p>^c<i>Environmental Chemistry Research Center, Ferdowsi University of Mashhad, Iran</i></p> <p>^d<i>Polymerization Engineering Department, Iran Polymer and Petrochemical Institute, Iran</i></p>
	26	P104	Kei Kaneko	<p>Inorganic network structures for improvement of thermal conductivity of polypropylene nanocomposites using impregnation method</p> <p>Kei Kaneko, Patchanee Chammingkwan, Toshiaki Taniike, and Minoru Terano</p> <p><i>School of Materials Science, Japan Advanced Institute of Science and Technology, Japan</i></p>
	27	P107	Luca Rongo	<p>High- and medium-throughput polyolefin research</p> <p>Luca Rongo, and Anton Ginzburg</p> <p><i>SABIC STC Geleen, The Netherlands</i></p>
	28	P108	Takeshi Nagai	<p>Control of crystallization behavior by introducing functional groups to polypropylene</p> <p>Takeshi Nagai, Patchanee Chammingkwan, Toshiaki Taniike, and Minoru Terano</p> <p><i>School of Materials Science, Japan Advanced Institute of Science and Technology, Japan</i></p>
	29	P112	Taira Tobita	<p>Inhibition of initial oxidative degradation of polypropylene using nitroxide radical trapping agent</p> <p>Taira Tobita, Patchanee Chammingkwan, Toshiaki Taniike, and Minoru Terano</p> <p><i>School of Materials Science, Japan Advanced Institute of Science and Technology, Japan</i></p>