Presentation			
Number	Presenter	Title	Authors
		Design of interparticle photo-cross-linkable suspension using $\gamma$ -Al2O3	2) Department of Mechatronic Engineering, National Taiwan Normal University, Taipei,
P-A-01	Mr. Fumiya Yokomori	nanoparticles and 3D printing by stereolithography	Taiwan
			Haruki Sakurai* 1, Junichi Tatami 2, Motoyuki lijima 2
			1 Graduate School of Environment and Information Sciences, Yokohama National
		Three-dimensional structuring of porous materials using interparticle photo-	University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University,
P-A-02	Mr. Haruki Sakurai	cross-linkable slurry and ceramic beads	Japan
		Evaluation of Reaction Characteristics of Ca(OH) <sub>2</sub> Powder with CO <sub>2</sub> and HCl at	Katsuya Onishi*, Tomonori Fukasawa, Toru Ishigami, Ayaka Tamaru, Kunihiro Fukui
P-A-03	Mr. Katsuya Onishi	High Temperature	Hiroshima University, Japan
		Internal Structure evolution of alumina slurry during slip casting process	A. Honda*1, J. Tatami 1, M. lijima 1
P-A-04	Ms. Akari Honda	visualized by OCT in situ observation - Effect of the amount of PVA binder -	1 Yokohama National University, Japan
D 4 05	AA AI T	In-situ OCT visualization of internal structural changes during liquid phase	N. Tozawa*1, J. Tatami1, M. lijima
P-A-05	Mr. Nozomu Tozawa	sintering of CaSiO3-doped Al2O3 green bodies	1 Yokohama National University, Japan R. Nomura*1, M. Yoshida1,2, Y. Shirakawa1,2
			IX. NUMBER 1, IV. 105MBa1,2, 1. 5MBakawa1,2
			1 Graduate School of Science and Engineering, Doshisha University, Japan
		Effects of aerating methods and conditions on the improvement of particle	2 Faculty of Science and Engineering, Doshisha University, Japan
P-A-06	Ms. Reona Nomura	flowability	
			Yuto Masuda* 1), Junichi Tatami 1), Motoyuki lijima 1),Tatsuki Ohji 1),
			Kentaro Yoshida 2), Takuma Takahashi 2), Hiromi Nakano 3)
			1)0
			Graduate School of Environment and Information Sciences, Yokohama National     University, Japan 2) Kanagawa Institute of Industrial Science and Technology, Japan
		Microscale mechanical properties of sliding friction surface of $\alpha/\beta$ SiAION	3) Toyohashi University of Technology, Japan
P-A-07	Mr. Yuto Masuda	composite ceramics	5) Toyonasin Oniversity of Teelinology, Japan
		'	Komaki Matsuura* 1), Junichi Tatami 1), Motoyuki lijima 1) Tatsuki Ohji 1), Takuma
			Takahashi 2), Hiromi Nakano 3)
			1) Yokohama National University, Japan
			2) Kanagawa Institute of Industrial Science and Technology, Japan
			3) Toyohashi University of Technology, Japan
P-A-08	Ms. Komaki Matsuura	Effect of cyclic applied stress on grain boundary strength of silicon nitride ceramics	
7, 00	Wis. Nomaki Watsaara	Sordinos	I. Kubota*1, Y. Imayoshi1, S. Ohsaki1, H. Nakamura1, S. Watano1
		Understanding the tablet internal structure and the capping mechanism by	1) Department of Chemical Engineering, Osaka Metropolitan University, Japan
P-A-09	Mr. Issei Kubota	measuring the distribution of die wall pressure	
			H. Kanai*1, S. Ohsaki1, H. Nakamura1, S. Watano1
P-A-10	Mr. Haruki Kanai	Effect of structural defects in MOFs on drug loading capacity	1 Osaka Metropolitan University, Japan
D A 11	MA V - C -		Yugo Sato*1, Toshiyuki Nomura1
P-A-11	Mr. Yugo Sato	Synthesis of high functional pesticides using biodegradable carrier particles	1 Osaka Metropolitan University, Japan Shunichi Ishibashi*1, Toshiyuki Nomura1
			1 Osaka Metropolitan University, Japan
		Improving the efficiency of the bio-reduction process for recovering palladium	2 State Motopolitan Sintoloty, Japan
P-A-12	Mr. Shunichi Ishibashi	from urban mines	
			Takahiro Oikawa*1, Junichi Tatami2, Motoyuki lijima2
			1 Graduate School of Environment and Information Sciences, Yokohama National
			1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan
D A 13	Mr. Takabira, Oikawa	Homogenized silicon nitride green compacts prepared by in-situ solidification of	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University,
P-A-13	Mr. Takahiro Oikawa	nonaqueous slurries	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan
P-A-13	Mr. Takahiro Oikawa Mr. Akihito Ide		1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University,
		nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1
		nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components	Graduate School of Environment and Information Sciences, Yokohama National University, Japan     Faculty of Environment and Information Sciences, Yokohama National University, Japan     A. Ide*1, J. Tatami1, M. Iijima1     Yokohama National University, Japan     M. Matsuo*1, M. Yoshida1, Y. Shirakawa1     Graduate School of Science and Engineering, Doshisha University, Japan
P-A-14	Mr. Akihito Ide	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects	Graduate School of Environment and Information Sciences, Yokohama National University, Japan     Faculty of Environment and Information Sciences, Yokohama National University, Japan     A. Ide*1, J. Tatami1, M. Iijima1     Yokohama National University, Japan     M. Matsuo*1, M. Yoshida1, Y. Shirakawa1     Graduate School of Science and Engineering, Doshisha University, Japan     R. Tomiyama* 1, Junichi Tatami 2, Motoyuki Iijima 2
P-A-14	Mr. Akihito Ide	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism	Graduate School of Environment and Information Sciences, Yokohama National University, Japan     Faculty of Environment and Information Sciences, Yokohama National University, Japan     A. Ide*1, J. Tatami1, M. Iijima1     Yokohama National University, Japan     M. Matsuo*1, M. Yoshida1, Y. Shirakawa1     Graduate School of Science and Engineering, Doshisha University, Japan     R. Tomiyama*1, Junichi Tatami 2, Motoyuki Iijima 2     Graduate School of Enginnering Science, Yokohama National University, Japan
P-A-14	Mr. Akihito Ide Ms. Minami Matsuo	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing	Graduate School of Environment and Information Sciences, Yokohama National University, Japan     Faculty of Environment and Information Sciences, Yokohama National University, Japan     A. Ide*1, J. Tatami1, M. Iijima1     Yokohama National University, Japan     M. Matsuo*1, M. Yoshida1, Y. Shirakawa1     Graduate School of Science and Engineering, Doshisha University, Japan     R. Tomiyama*1, Junichi Tatami 2, Motoyuki Iijima 2     Graduate School of Enginnering Science, Yokohama National University, Japan     Faculty of Environment and Information Sciences, Yokohama National University,
P-A-14 P-A-15	Mr. Akihito Ide	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama* 1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan
P-A-14 P-A-15	Mr. Akihito Ide Ms. Minami Matsuo	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama* 1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2
P-A-14 P-A-15	Mr. Akihito Ide Ms. Minami Matsuo	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama* 1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan
P-A-14 P-A-15	Mr. Akihito Ide Ms. Minami Matsuo	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama* 1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Engineering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2 1 Graduate School of Engineering Science and Faculty of Engineering, Yokohama
P-A-14 P-A-15	Mr. Akihito Ide Ms. Minami Matsuo	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing process	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama* 1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2 1 Graduate School of Engineering Science and Faculty of Engineering, Yokohama National University, Japan
P-A-14 P-A-15 P-A-16 P-A-17	Mr. Akihito Ide  Ms. Minami Matsuo  Mr. Ryota Tomiyama	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing process  Visualization of drying behavior of aqueous silica slurries with different organic	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama* 1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2 1 Graduate School of Engineering Science and Faculty of Engineering, Yokohama National University, Japan 2 Kanagawa Institute of Industrial Science and Technology, Japan
P-A-14 P-A-15 P-A-16	Mr. Akihito Ide  Ms. Minami Matsuo  Mr. Ryota Tomiyama	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing process  Visualization of drying behavior of aqueous silica slurries with different organic additives by operand OCT observation	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama*1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2 1 Graduate School of Engineering Science and Faculty of Engineering, Yokohama National University, Japan 2 Kanagawa Institute of Industrial Science and Technology, Japan M. Moriwaki*1, H. Uematsu1, S. Hiraide1, S. Watanbe1 1 Kyoto University, Japan
P-A-14 P-A-15 P-A-16 P-A-17	Mr. Akihito Ide  Ms. Minami Matsuo  Mr. Ryota Tomiyama  Mr. Hiromasa Kuroda	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing process  Visualization of drying behavior of aqueous silica slurries with different organic additives by operand OCT observation  Analysis of the Adsorption Kinetics of Metal-Organic Frameworks Using a Quartz	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama*1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2 1 Graduate School of Engineering Science and Faculty of Engineering, Yokohama National University, Japan 2 Kanagawa Institute of Industrial Science and Technology, Japan M. Moriwaki*1, H. Uematsu1, S. Hiraide1, S. Watanbe1 1 Kyoto University, Japan Kenta Kitamura*1, 2, Takamasa Mori 1,2 1 Department of Chemical Science and
P-A-14 P-A-15 P-A-16 P-A-17	Mr. Akihito Ide  Ms. Minami Matsuo  Mr. Ryota Tomiyama  Mr. Hiromasa Kuroda	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing process  Visualization of drying behavior of aqueous silica slurries with different organic additives by operand OCT observation  Analysis of the Adsorption Kinetics of Metal-Organic Frameworks Using a Quartz Crystal Microbalance	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama*1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2 1 Graduate School of Engineering Science and Faculty of Engineering, Yokohama National University, Japan 2 Kanagawa Institute of Industrial Science and Technology, Japan M. Moriwaki*1, H. Uematsu1, S. Hiraide1, S. Watanbe1 1 Kyoto University, Japan Kenta Kitamura*1, 2, Takamasa Mori 1,2 1 Department of Chemical Science and Technology, Faculty of Bioscience and Applied Chemistry, Hosei University, Japan, 2
P-A-15 P-A-16 P-A-17 P-A-18	Mr. Akihito Ide  Ms. Minami Matsuo  Mr. Ryota Tomiyama  Mr. Hiromasa Kuroda  Mr. Makoto Moriwaki	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing process  Visualization of drying behavior of aqueous silica slurries with different organic additives by operand OCT observation  Analysis of the Adsorption Kinetics of Metal-Organic Frameworks Using a Quartz Crystal Microbalance  Time-Dependent Changes in the Dispersion State of Aqueous Alumina Slurry and	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama*1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2 1 Graduate School of Engineering Science and Faculty of Engineering, Yokohama National University, Japan 2 Kanagawa Institute of Industrial Science and Technology, Japan M. Moriwaki*1, H. Uematsu1, S. Hiraide1, S. Watanbe1 1 Kyoto University, Japan Kenta Kitamura*1, 2, Takamasa Mori 1,2 1 Department of Chemical Science and Technology, Faculty of Bioscience and Applied Chemistry, Hosei University, Japan, 2
P-A-14 P-A-15 P-A-16 P-A-17	Mr. Akihito Ide  Ms. Minami Matsuo  Mr. Ryota Tomiyama  Mr. Hiromasa Kuroda	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing process  Visualization of drying behavior of aqueous silica slurries with different organic additives by operand OCT observation  Analysis of the Adsorption Kinetics of Metal-Organic Frameworks Using a Quartz Crystal Microbalance	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama*1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2 1 Graduate School of Engineering Science and Faculty of Engineering, Yokohama National University, Japan 2 Kanagawa Institute of Industrial Science and Technology, Japan  M. Moriwaki*1, H. Uematsu1, S. Hiraide1, S. Watanbe1 1 Kyoto University, Japan Kenta Kitamura*1, 2, Takamasa Mori 1,2 1 Department of Chemical Science and Technology, Faculty of Bioscience and Applied Chemistry, Hosei University, Japan, 2 Hosei University Research Institute for Slurry Engineering, Japan
P-A-15 P-A-16 P-A-17 P-A-18	Mr. Akihito Ide  Ms. Minami Matsuo  Mr. Ryota Tomiyama  Mr. Hiromasa Kuroda  Mr. Makoto Moriwaki	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing process  Visualization of drying behavior of aqueous silica slurries with different organic additives by operand OCT observation  Analysis of the Adsorption Kinetics of Metal-Organic Frameworks Using a Quartz Crystal Microbalance  Time-Dependent Changes in the Dispersion State of Aqueous Alumina Slurry and	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama*1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2 1 Graduate School of Engineering Science and Faculty of Engineering, Yokohama National University, Japan 2 Kanagawa Institute of Industrial Science and Technology, Japan M. Moriwaki*1, H. Uematsu1, S. Hiraide1, S. Watanbe1 1 Kyoto University, Japan Kenta Kitamura*1, 2, Takamasa Mori 1,2 1 Department of Chemical Science and Technology, Faculty of Bioscience and Applied Chemistry, Hosei University, Japan, 2
P-A-15 P-A-16 P-A-17 P-A-18	Mr. Akihito Ide  Ms. Minami Matsuo  Mr. Ryota Tomiyama  Mr. Hiromasa Kuroda  Mr. Makoto Moriwaki	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing process  Visualization of drying behavior of aqueous silica slurries with different organic additives by operand OCT observation  Analysis of the Adsorption Kinetics of Metal-Organic Frameworks Using a Quartz Crystal Microbalance  Time-Dependent Changes in the Dispersion State of Aqueous Alumina Slurry and	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama*1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2 1 Graduate School of Engineering Science and Faculty of Engineering, Yokohama National University, Japan 2 Kanagawa Institute of Industrial Science and Technology, Japan  M. Moriwaki*1, H. Uematsu1, S. Hiraide1, S. Watanbe1 1 Kyoto University, Japan Kenta Kitamura*1, 2, Takamasa Mori 1,2 1 Department of Chemical Science and Technology, Faculty of Bioscience and Applied Chemistry, Hosei University, Japan, 2 Hosei University Research Institute for Slurry Engineering, Japan
P-A-15 P-A-16 P-A-17 P-A-18	Mr. Akihito Ide  Ms. Minami Matsuo  Mr. Ryota Tomiyama  Mr. Hiromasa Kuroda  Mr. Makoto Moriwaki	nonaqueous slurries  Design of interparticle photo-cross-linkable suspension for DLP-3D printing of ZrO2 ceramic components  Synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects of Precipitation Conditions on Polymorphism  Aqueous based photocurable ZrO2 suspensions for greener DLP-3D printing process  Visualization of drying behavior of aqueous silica slurries with different organic additives by operand OCT observation  Analysis of the Adsorption Kinetics of Metal-Organic Frameworks Using a Quartz Crystal Microbalance  Time-Dependent Changes in the Dispersion State of Aqueous Alumina Slurry and	1 Graduate School of Environment and Information Sciences, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan A. Ide*1, J. Tatami1, M. Iijima1 1 Yokohama National University, Japan M. Matsuo*1, M. Yoshida1, Y. Shirakawa1 1 Graduate School of Science and Engineering, Doshisha University, Japan R. Tomiyama* 1, Junichi Tatami 2, Motoyuki Iijima 2 1 Graduate School of Enginnering Science, Yokohama National University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan Hiromasa Kuroda *1, Junichi Tatami 1, Motoyuki Iijima 1, Takuma Takahashi 2 1 Graduate School of Engineering Science and Faculty of Engineering, Yokohama National University, Japan 2 Kanagawa Institute of Industrial Science and Technology, Japan M. Moriwaki*1, H. Uematsu1, S. Hiraide1, S. Watanbe1 1 Kyoto University, Japan Kenta Kitamura*1, 2, Takamasa Mori 1,2 1 Department of Chemical Science and Technology, Faculty of Bioscience and Applied Chemistry, Hosei University, Japan, 2 Hosei University Research Institute for Slurry Engineering, Japan  Fumiya Kimura 1), Junichi Tatami 1), Motoyuki Iijima 1) Takumi Takahashi2)

P-C-04	Mr. Takatoshi Kurihara	method	
		Effect of the resistance at the interface with discharge electrodes on separation of lithium-ion batteries cathode materials by direct electrical pulsed discharge	1 Graduate School of Creative Science and Engineering, Waseda University, Japan 2 Faculty of Science and Engineering, Waseda University, Japan 3 Faculty of Engineering, The University of Tokyo, Japan
1 -0-03	IVII. Nakciu Aldi	Anii adiid atate patteries composed of A84 appending conductor	Takatoshi Kurihara*1, Asako Narita2, Moe Nakahara1, Chiharu Tokoro2,3
P-C-03	Mr. Kakeru Arai	All-solid-state Batteries Composed of Ag+ Superionic Conductor	K. Arai*, T. Shimizu, S. Wajima, Y. Matsushima Yamagata University, Japan
P-C-02	Mr. Shunsuke Sugimoto	Design of Zinc Battery Separator for Dendrite Suppression	1 Graduate School of Science and Engineering, Doshisha University, Japan
P-C-01	Prof. Chin-Yi Chen	Heterostructured MoS <sub>2</sub> /Bi <sub>2</sub> WO <sub>6</sub> /BiOBr Composite Powder	Department of Materials Science and Engineering, Feng Chia University, Taiwan.     S. Sugimoto*1, Y. Tsugawa1, M. Morimitsu1, M. Yoshida1, Y. Shirakawa1
P-B-12	Dr. Vaclav Pouchly	homogeneity and their final electro-magnetic properties.  Preparation and Visible-Light-Driven Photocatalytic Degradation Properties of	Yu-Tse Lin1, Chin-Yi Chen*1
		Compositionally Complex Ceramic oxides based on (MgCoCuNiZn)O and (CoCrFeNiMn)304: Sintering behavior, final microstructure, chemical	V. Pouchly* 1,2, E. Scasnovic 2, T. Spusta 2, D. Sobola 2 1 Faculty of Mechanical Engineering, Brno University of Technology, Czech Republic 2 CEITEC, Brno University of Technology, Czech Republic
P-B-11	Mr. Hidekazu Okaya	Influence of granulation process on optical properties of Ca- $\alpha$ -SIAIUN:EuZ+ ceramics	1 Yokohama National University, Japan 2 Kanagawa Institute of Industrial Science and Technology, Japan
		Influence of granulation process on optical properties of Ca-α-SiAION:Eu2+	H. Okaya1, J. Tatami1, M. lijima1, T. Takahashi1,2
P-B-10	Ms. Riko Yamazaki	Properties of Si3N4 granules fabricated by spray freeze granulation drying from non-aqueous slurries prepared by adding PEI-OA complex	Preci Co. Ltd., Japan     National Institute of Advanced Industrial Science and Technology, Japan
			кико Yamazaki*1, Junichi Tatami*1, Motoyuki IIJima*1, Shinya Kawaguchi*2, Naoki Kondo*3 1 Yokohama National University, Japan
P-B-09	Mr. Li-Heng Tai	<sub>0-2</sub> Co <sub>0-2</sub> Mn <sub>0-2</sub> ) <sub>2</sub> SiO <sub>4</sub> High-Entropy Ceramics	Li-Heng Tai*, Shao-Ju Shih and Tzu-Yun Lin Riko Yamazaki*1, Junichi Tatami*1, Motoyuki lijima*1, Shinya Kawaguchi*2, Naoki
P-B-08	Mr. Taisei Suzuki	hydrothermal synthesis  Effects of Precursors on the Synthesis and Dielectric Properties for (Mg <sub>0-2</sub> Ni <sub>0-2</sub> Zn	Yamagata University, Japan
P-B-07	Mr. Yuto Yamamoto	processing  Green luminescence of ZnSi2O4:Mn2+ derived from precursors prepared by	2 Faculty of Science and Engineering, Waseda University, Japan  T. Suzuki*, Y. Matsushima
		Automation of mineral liberation measurement of iron ore by using image	Yuto Yamamoto*1, Kazumi Yoshiya2,1, Chiharu Tokoro2,1, Yutaro Takaya1,2 1 Graduate School of Engineering, The University of Tokyo, Japan
P-B-06	Mr. Yuki Imai	Effect of polyethyleneimine molecular weight on the flowing properties of highly concentrated SiO2/BC slurry	Yuki Imai*1, Junichi Tatami1, Motoyuki lijima1 1 Yokohama National University, Japan
P-B-05	Dr. Kazumi Yoshiya	sectional morphology and crack observation of iron ore	of Tokyo, Tokyo, Japan
		Exploring the optimal crushing method of iron ore — Proposal based on cross-	Department of Resources and Environmental Engineering, Graduate School of Creative Science and Engineering, Waseda University, Tokyo, Japan     Department of Systems Innovation, Graduate School of Engineering, The University
			Kazumi Yoshiya*1, 2, Yuto Yamamoto 2, Kento Izumi 1, Yutaro Takaya1, 2, Chiharu Tokoro1, 2
P-B-04	Ms. Misato Takahashi	Drying shrinkage behavior of green bodies 3D printed using interparticle photo- cross-linkable SiO2 slurry	University, Japan 2 Faculty of Environment and Information Sciences, Yokohama National University, Japan
			Misato Takahashi*1, Junichi Tatami2, Motoyuki lijima2  1 Graduate School of Environment and Information Sciences, Yokohama National
P-B-03	Mr. Haruto Ikeda	Effect of Mixing Ratio of Multivalent Cations on Shear Yield Stress of Particle Suspensions	
			Haruto Ikeda*, Toru Ishigami, Kunihiro Fukui, Tomonori Fukasawa Hiroshima University, Japan
P-B-02	Ms. Nao Ozamoto	Effect of Particle Properties and Concentration on Classification Performance of Cyclone Separator	Hiroshima University, Japan     MOX Fuel Cyclone Design Group, Strategy and Management Department, Japan     Atomic Energy Agency
P-B-01	Mr. Takuto Furukawa	nanoparticles	Japan Nao Ozamoto*1, Tomoomi Segawa2, Katsunori Ishii2, Koichi Kawaguchi2, Tomonori Fukasawa1, Toru Ishigami1, Kunihiro Fukui1
D B 01	Ma Taluta Candana	Dispersion of cellulose nanofibers in acrylic resin with surface modified SiO2	Takuto Furukawa*1, Junichi Tatami2, Motoyuki lijima2  1) Graduate School of Environment and Information Sciences, Yokohama National University, Japan  2) Faculty of Environment and Information Sciences, Yokohama National University,
P-A-23	Dr. Takayoshi Kiguchi	Preparation of Poly-L-Lactic Acid Microparticles Encapsulating Drug-Containing Gel for Sustained-Release	1 Faculty of Bioscience and Applied Chemistry, Hosei University, Tokyo, Japan 2 Graduate School of Science and Engineering, Hosei University, Tokyo, Japan
P-A-22	Mr. Ryo Osaki	drying method	Takayoshi Kiguchi*1, Miori Sato2, Akihiro C. Yamashita1,2
P-A-21	ivir. Kaito Yamada	on slurry viscosity behaviors  Oxide coating of cathode active material in all-solid-state batteries using spray	Ryo Osaki* 1), Shuji Ohsaki 1), Hideya Nakamura1), Satoru Watano1)  1) Department of Chemical Engineering, Osaka Metropolitan University, Japan
P_A_21	Mr. Kaito Yamada	Simulation analysis of the effects of adhesive and frictional particle interactions	Graduate School of Science and Engineering, Doshisha University, Japan     Faculty of Science and Engineering, Doshisha University, Japan
			Kaito Yamada*1, Mikio Yoshida1,2, Yoshiyuki Shirakawa1,2

P-D-15	Prof. Yung-Tang Nien	Preparation and characterization or yttrium aiuminum garnet phosphor ceramics using laser-assisted flash sintering	Department of Materials Science and Engineering, National Formosa University, Taiwan
P-D-14	Mr. Kaoru Miyashita	condition  Preparation and characterization of yttrium aluminum garnet phosphor ceramics	Institute of Engineering Innovation, The University of Tokyo, Japan     Y.T. Nien*, Z.Y. Ho, X.M. Su, S.C. Ma, C.Y. Chen     Department of Materials Science and Engineering, National Formosa University,
		Substitution behavior of rare-earth elements in apatite under high pressure	Kaoru Miyashita*1, Masanori Takemoto1, Tatsuya Okubo1, Toru Wakihara1,2  1 Department of Chemical System Engineering, The University of Tokyo, Japan
P-D-13	Mr. Tzung-Yuan Wu	Effects of Surface-Modified Powders on the Sintering and Dielectric Properties of (Mg1-xZnx)2SiO4 Dielectric Ceramics	Science and Technology, Taipei, Taiwan
P-D-12	Mr. Che-Feng Hsu	and Multi-Mode Sensing Applications	Z.Department of Microelectronics Engineering National Kaonsiung University of Science and Technology Kaohsiung 807, Taiwan Tzung-Yuan Wu*1, Shao-Ju Shih1
		SnO <sub>2</sub> /ITO-Based Self-Powered Triboelectric Nanogenerator for Environmental	Department of Electronic Engineering National Kaohsiung University of Science and Technology Kaohsiung 807, Taiwan     Department of Microelectronics Engineering National Kaohsiung University of
P-D-11	Mr. Nagaru Baba	heat-treated in vacuum	3 Toyohashi University of Technology Che-Feng Hsu*1, Chian-Yu Yao1, Jei-Li Hou2, Ting-Jen Hsueh1
D D 44	M. N S. !	Degradation evaluation of mechanical properties near single crystal 8YSZ surface	
P-D-10	ivis. Jeonghyeon Lee	with Rare Earth Elements	N. Baba*1, J. Tatami1, T. Ohji1, M. Iijima1, T. Takahashi2, H. Nakano3
P D 10	Ms. Jeonghyeon Lee	Evaluation of Microstructure and Properties of Thermal Barrier Coating Co-doped	1Department of Materials Convergence and System Engineering / 2School of Materials Science and Engineering, Changwon National University, 51140, Republic of Korea
			Yang2, Byung-il Yang2, Yeon-Gil Jung2
P-D-09	Mr. Eisuke Hatano	the recovery of ammonium cations from wastewater	3 Institute of Engineering Innovation, The University of Tokyo, Japan Jeong-hyeon Lee1, Janghyeok Pyeon1, Sohee Baek1, Junhyeok Nam1, Seung-Cheol
		Preparation of amorphous aluminosilicates derived from rice husk charcoal for	Department of Chemical System Engineering, The University of Tokyo, Japan     Nanostructures Research Laboratory, Japan Fine Ceramics Center, Japan
			Elangovan1, K. lyoki1, T. Okubo1, T. Wakihara1,3
P-D-08	Ms. Yu-Wen Hsiao	Aging and fatigue resistance of zirconia with low yttria addition	Memorial Hospital, Taiwan.  E. Hatano*1, R. Simancas1, M. Takemura1, Y. Sasaki2, A. Chokkalingam1, S. P.
			Taipei, Taiwan.  2 Department of Orthopedic Surgery, Bone and Joint Research Center, Chang Gung
			1 Department of Materials Science and Engineering, National Taiwan University,
P-D-07	Ms. Yuki Tsuchiya	(Na,Ba)(Nb,Ti)O3 Piezoelectric Ceramics	1 Chubu University, Japan Yu-Wen Hsiao*1, Wei-Hsing Tuan1, Jin-Ren Chen2, Po-Liang Lai2
P-D-06	Mr. Keisuke Nishida	solution deposition method Effect of ZrO2 Addition on the Properties of Reduction-Resistant	2 National Institute of Advanced Industrial Science and Technology, Japan Y. Tsuchiya*1, A. Terada1, M. Fukaya1, W. Sakamoto1
		Synthesis and characterization of CeO2-HfO2 ferroelectric thin films by chemical	1 Chubu University, Japan
P-D-05	Mr. Hidetomo Nishio	photoinduced properties	1 Chubu University, Japan K. Nishida*1, W. Sakamoto1, K. Mimura2
P-D-04	Prof. Hsiao-Hsuan Hsu	Oxide Ferroelectric Memory Fabrication of NaNbO3 ferroelectric thin films by a solution process and their	Taiwan H. Nishio*1, K. Sakurai1, Y. Fujii1, W. Sakamoto1
		Effect of Inserting Layer on Electrical Characterization of Hafnium Aluminum	3) Department of Electrophysics, National Yang Ming Chiao Tung University, Hsinchu,
			2) Department of Mechatronic Engineering, National Taiwan Normal University, Taipei, Taiwan
			Institute of Materials Science and Engineering, National Taipei University of Technology, Taipei, Taiwan
			Xuan Lin 2), Ruo-Yin Liao3), Hsiao-Hsuan Hsu 1) and Chun-Hu Cheng 2)
P-D-03	Ms. I-Ting Kuo	Effect of Phase Transformation on Wear Resistance of Yttria-stabilized Zirconia	Taipei, Taiwan Jia-Hui Lin 1), Cheng-Chun Lin 1), Sheng-Hong Wang 1), Kuan-Chieh Lee 1), Shu-
			I-Ting Kuo*1, Wei-Hsing Tuan1 1 Department of Materials Science and Engineering, National Taiwan University,
P-D-02	Prof. Jui-Yuan Chen	Research on Phosphate Semiconductor Glasses Applying in RRAM	University, Taiwan
			Taiwan  2 Department of Materials Science and Engineering, National Yang Ming Chiao Tung
			Hong-Lin Lu 1, Jui-Yuan Chen *1, Wen-Wei Wu 2 1 Department of Materials Science and Engineering, National United University,
	5		
P-D-01	Prof. Chien-Liang Lee	Specific Activities of PdAu Octahedral, Truncated Octahedral, and Cubic Nanopowders as Non-Enzymatic Glucose Sensors	Department of Chemical and Materials Engineering, National Kaohsiung University of Science and Technology, Kaohsiung 807, Taiwan.
P-C-07	Ms. Wan-Yi Hsu	Absorber using Bead Activated Carbon as the Fluidizing Media	2 National Taiwan University, Taiwan Chin-Wei Wu, Ming-Hung Chiang, Chien-Liang Lee*
D 0 07	NA . W V I I	Experimental and Simulation Studies on Countercurrent Fluidized Bed VOC	1 Chang Gung University, Taiwan
P-C-06	Dr. Mehdi Estili	Carbon nanotube–MXene membranes for electrochemical energy applications	National Institute for Materials Science (NIMS), Tsukuba, Ibaraki, Japan Wan-Yi Hsu*1, Wei-Han Jen2, Hsiu-Po Kuo2
P-C-05	Mr. Tomoyuki Yonezawa	Dismantling of photovoltaic panels for silicon recovery using microwave heating	Mehdi Estili.* Tohru S. Suzuki
			5) Faculty of Science and Engineering, Waseda University, Japan 6) Graduate School of Engineering, The University of Tokyo, Japan
			4) Research Innovation Center, Waseda University, Japan
			Organization, Waseda University, Japan  3) Waseda Center for a Carbon Neutral Society, Waseda University, Japan
			2) Sustainable Energy & Environmental Society Open Innovation Research
			School of Creative Science and Engineering, Waseda University, Japan
			Kamiya2), Chiharu Tokoro5,6)
			Tomoyuki Yonezawa*1), Akiko Kubota2), Manabu Inutsuka3), Michio Kondo4), Hidehiro

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P. D. 21 Prof. Shong Pro Chang Fabrication and Chanceteristics of WIZO MSM IN Photodedectors  Effect of American and Chanceteristics of WIZO MSM IN Photodedectors  Effect of American Technology, Taiwan  Effect of Extract Change, Taiwan  M. Golden's St. U. I. X. Yang 1.T. Imatian 1, M. Sakai 1  Department of Nucleon Engineering and Menagement, The University of Technology  Effect of Marketine Technology (Technology)  Effect of Extract Change Technology  E			Surface affinity of silica particles investigated by a time-domain nuclear	Tomoya Nagata*1), Ariga Kato1), Junko Ikeda2,3), Tomonori Fukasawa4), Paul
P.O. 21 Prof. Sheng-Po Chang Faircation and Chonosterialiss of WIZO MSM IIV Photodetectors  P.O. 22 Prof. Sheng-Po Chang Effect of Armeding Temperature on RF-Squitered Cap(), MSM Deep Ultraviolot P.O. 22 Prof. Chan-Kai Wang P.O. 23 Prof. Chan-Kai Wang P.O. 24 Prof. Chan-Kai Wang P.O. 25 Prof. Chan-Kai Wang P.O. 25 Prof. Chan-Kai Wang P.O. 26 Prof. Chan-Kai Wang P.O. 26 Prof. Chan-Kai Wang P.O. 27 Prof. Chan-Kai Wang P.O. 27 Prof. Chan-Kai Wang P.O. 27 Prof. Chan-Kai Wang P.O. 28 Prof. Chan-Kai Wang P.O. 29 Prof. Chan-Kai Wang P.O. 29 Prof. Chan-Kai Wang P.O. 29 Prof. Chan-Kai Wang P.O. 20 Prof. Chan-Kai Wang P.	P-D-20	Prof. Chika Takai	magnetic resonance (TD-NMR)	Kinyanjui Kimani5), Yukari Sasaki5), Chika Takai-Yamashita1, 3, 5)
P 0 21 Prof. Storing Pio Chang  Individual or and Characterisation and Characterisation of WAVD MSM UV Photodetectors  Characterisation and Characterisation and Characterisation of WAVD MSM UV Photodetectors  Characterisation and Characterisation of WAVD MSM UV Photodetectors  Characterisation of WAVD MSM UV Photodetectors on Supplier Solutate  Characterisation of Photodetectors on Supplier Solutate  Prof. Characterisation of WavD MSM UV Photodetectors on Supplier Solutate  Characterisation of WavD MSM UV Photodetectors on Supplier Solutate  Prof. Claracterisation of Solutation of Solutation of Solutation of Photodetectors on Supplier Solutation  Prof. Claracterisation of Photodetectors on Supplier Solutation  Characterisation of Photodetectors on Supplier Solutation of Photodetectors on Supplier Solutation  Characterisation of Photodetectors on Supplier Solutation of Photodetectors				Sheng-Po Chang*1, Yi Chou*1
P.D. 21 Peat, Sheng Po Chang  Abstraction and Characterisation of Water Characterisation of Characterisation of Characterisation of Water Characterisation of Characterisation of Water Characterisation				1 Department of Microelectronics Engineering, National Kaohsiung University of
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Disparament of Microelectorios Engineering, Rachouling University of Science and Technology, Talwar.				Chun-Kai Wang*1), Yu-Zung Chiou 2), Hong-De Liou 2)
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Po-C. Churr-Kai Weng  Photodescros on Sepathres Substrate  Rechoolegy. Taiwan  A. Caster 1, S. Li J. K. Yang, T. Timatani I. M. Sawa I. 1. Department of Nucleor Engineering and Management. The University of Tokyo, Taiwan  Numerical simulation on sequential powder de-filling processes in a rotary tablet. A Healthmost I. M. Sakati. 1. The University of Tokyo, Taiwan Americal simulation on sequential powder de-filling processes in a rotary tablet. A Healthmost II. M. Sakati. 1. The University of Tokyo, Taiwan II. The University of Tokyo, Taiwan II. The University of Tokyo, Taiwan II. The University of Tokyo, Taiwan III. The University of Tokyo II. The University of III. The University of Tokyo III. The University of III. The Un			Effect of Annealing Temperature on RF-Sputtered Ga <sub>2</sub> O <sub>3</sub> MSM Deep Ultraviolet	
De-E-01 Mr. Michael Castro Development of a Reduced-order Model for Cas-Sold Flow with Heat Transfort Appl. Lapan Numerical simulation on sequential powder die-Rilling processes in a rotery toble A Habbimoto'l, M. Solda'l The University of Tokyo, Lapan Regulant Xing Area Area Area Area Area Area Area Area	P-D-22	Prof. Chun-Kai Wang		
De-E-01 Mr. Michael Castro Development of a Reduced-order Model for Gas-Solid Flow with Heat Transfer Tokyo, pages 7 Taylo, pages 2 Taylo, pages 3 Taylo, pages 3 Taylo, pages 3 Taylo, pages 4 Taylo, pages 5 Taylo, pages 5 Taylo, pages 5 Taylo, pages 5 Taylo, pages 6 Taylo, pages 7 Taylo, pages 8 Taylor Tay	. 5 22	Tron onan ran trang	Thorogonous on capping capetrate	
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Discharging Behavior in a Blast Furnace-Top Hopper Using the Discrete Element Method  Dr. Li-Shin Lu  Method  A. China Steel Corporation, Kaohsiung, Taiwan  Ryo Tamai*, Takuya Tsuji, Toshitsugu Tanaka, Kimiaki Washino  Department of Mechanical Engineering, The University of Osaka, Osaka, Japan  P-E-09  Mr. Ryo Tamai  CFD-DEM simulation of pneumatic conveying using a coarse grain model  lori Nishizawa *1), Kizuku Kushimoto 2), Junya Kano 2)  1) Graduate School of Environmental Studies, Tohoku University, Japan 2) Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Japan  P-E-10  Mr. lori Nishizawa  Modeling Consolidation Behaviour Using DEM-Based Approach  Kota Matsunaga*1, Shujiro Fujioka*1, Kensuke Shobuzako*2, Mitsuteru Asai*1  1 Graduate School of Civil Engineering, Kyushu University, Japan 2 Department of Earth and Planetary Sciences, Graduate School of Science, Kyushu University, Japan 2 Department of Earth and Planetary Sciences, Graduate School of Science, Kyushu University, Japan				
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Kota Matsunaga*1, Shujiro Fujioka*1, Kensuke Shobuzako*2, Mitsuteru Asai*1  1 Graduate School of Civil Engineering, Kyushu University, Japan  2 Department of Earth and Planetary Sciences, Graduate School of Science, Kyushu  LS-SPH: A high order SPH formulation based on the moving least squares with  University, Japan	P-F-10	Mr Iori Nishizawa	Modeling Consolidation Behaviour Using DFM-Rased Approach	Jopan.
1 Graduate School of Civil Engineering, Kyushu University, Japan 2 Department of Earth and Planetary Sciences, Graduate School of Science, Kyushu LS-SPH: A high order SPH formulation based on the moving least squares with	L F-10	IVII. IVII INISIIIZAWA	INFOCULTS CONSOURATION DESIGNATION COSTING DESIGNATIONS OF WHAT INFOCULTING DESIGNATION OF THE PROPERTY OF THE	Kota Matsunaga*1, Shujiro Fujioka*1, Kansuka Shahuzaka*2, Mitautaw, Asai*1
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P-E-11 Mr. Kota Matsunaga boundary constraints				University, Japan
	P-E-11	Mr. Kota Matsunaga	boundary constraints	

			Taiki Segawa*1, Yoshiya Shirakami*1, Yoichi Yuki*2, Suguru Kano*2, Mitsuteru Asai*1
			1 Graduate School of Civil Engineering, Kyushu University, Japan
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P-E-12	Mr. Taiki Segawa	SPH Formulation on Non-Newtonian Model for Fresh Concrete Flow Prediction	
			Masafumi Komiya*1, Mikio Sakai1
P-E-13	Mr. Masafumi Komiya	DEM-CFD simulation on the suction effect in powder die filling	1 The University of Tokyo, Japan
		Optimization of Air Filter Microstructure Using Machine Learning and Numerical	H. Tsuzuki*, M. Shirzadi, T. Fukasawa, K. Fukui, T. Ishigami
P-E-14	Ms. Hina Tsuzuki	Simulation	Hiroshima University