

Oral Presentation

Date	Time	Session Room	Code	Presentation Title	Name	Affiliation	Nation
Aug.28 (Tue)	11:00 – 11:20	B102	O1A-1	Primary and secondary crystal nucleation : New approaches to measure nucleation rates	M. L Briuglia	University of Strathclyde, Glasgow	UK
	11:20 – 11:40	B102	O1A-2	Formation of micelle-like aggregates in solution: A non-classical nucleation pathway	Weiwei Tang	Tianjin University	China
	11:40 – 12:00	B102	O1A-3	Characterization of CaCO ₃ process through Ca carbonation using Ca(OH) ₂	Seung-Woo LEE	KIGAM	Korea
	14:30 – 14:50	B102	O1A-4	Process optimization using in-situ process analytical technology (PAT)	Ulrich Schacht	Mettler Toledo	USA
	14:50 – 15:10	B102	O1A-5	Self assembly of monodispersed carnosine spherical crystals in antisolvent crystallization process	Yanan Zhou	Tianjin University	China
	15:10 – 15:30	B102	O1A-6	Influences of oiling-out on the crystal nucleation and growth	Mengmeng Sun	National Engineering Research Center	China
	16:00 – 16:20	B102	O1A-7	Effect of a surface active agent on nucleation in the sonocrystallization of paracetamol	Wang-Soo Kim	Sogang University	Korea
	16:20 – 16:40	B102	O1A-8	Understanding evolution of hierarchical structures of a poorly water soluble drug using additives during liquid antisolvent precipitation	Rupanjali Prasad	IIT Gandhinagar	India
	16:40 – 17:00	B102	O1A-9	Predictive modeling of crystal morphology using the crystal-solution interfacial structures	Bumjoon Seo	Seoul National University	Korea
	17:00 – 17:20	B102	O1A-10	High-throughput centrifugal microfluidic processor for multiplex nanocrystal synthesis	Tae Seok Seo	Kyung Hee University	Korea
	11:00 – 11:20	B101	O1B-1	Enantioselective inclusion of racemic amides into bulky ureas derived from amino acids	Motoiro AKAZOME	Chiba University	Japan
	11:20 – 11:40	B101	O1B-2	A shortcut model to design isothermal batch viedma ripening processes with optimal productivity	Thomas Vetter	The University of Manchester	UK
	11:40 – 12:00	B101	O1B-3	The role of racemization and crystal growth kinetics on deracemization rate of naphthamide compound using temperature cycling	Ryusei OKETANI	Université de Rouen	France
	14:30 – 14:50	B101	O1B-4	Crystallinity change and degradation process of cefixime trihydrate during drying	Eriko Sato	TUAT, Otsuka Chem. India	Japan
	14:50 – 15:10	B101	O1B-5	Inter-molecular synthon analysis associated with the morphology of L-Glutamic Acid	T.D. Turner	University of Leeds	UK
	15:10 – 15:30	B101	O1B-6	Selective molecular recognition and self-assembly mechanism in the cocrystallization separations of cresol isomers	Na Wang	Tianjin University	China
	16:00 – 16:20	B101	O1B-7	Core-shell mixed crystals formed by mutual anti-solvent crystallization in molecular dynamics simulations	Kouji Maeda	Univ. of Hyogo	Japan
	16:20 – 16:40	B101	O1B-8	A molecular dynamic study on silver nanocrystal growth mechanism under shear flow	S. K. Kwak	UNIST	Korea

	16:40 – 17:00	B101	O1B-9	Molecular dynamics simulations of the solution chemistry of benzoic and p-aminobenzoic acid	I. Rosbottom	University of Leeds	UK
	17:00 – 17:20	B101	O1B-10	Bulk size organic triphenylphosphine oxide 4-nitrophenol single crystals for nonlinear optical applications	P. Karuppasamy	SSN College of Eng.	India
Aug.29 (Wed)	10:40 – 11:00	B102	O2A-1	Crystallization of drugs with gelation of polymers	Jonghwi Lee	Chung-Ang University	Korea
	11:00 – 11:20	B102	O2A-2	Construction of characteristic molecular arrangement by utilizing pseudopolymorphism	Isao Azumaya	Toho University	Japan
	11:20 – 11:40	B102	O2A-3	An investigation in tautomerism of AHMP crystals	Ting Wang	Tianjin University	China
	11:40 – 12:00	B102	O2A-4	Polymorphs of daidzein and intermolecular interaction effect on solution crystallization	Lina Jia	Tianjin University	China
	14:30 – 14:50	B102	O2A-5	Dehydration phase transition mechanism of pharmaceutical crystals revealed by structure determination from powder diffraction data	Hidehiro Uekusa	Tokyo Institute of Technology	Japan
	14:50 – 15:10	B102	O2A-6	Promotion of co-crystallization of caffeine and benzoic acid using taylor vortex flow	Zun-Hua Li	Kyung Hee University	Korea
	16:00 – 16:20	B102	O2A-7	How many ritonavir cases are still out there?	Marcus A. Neumann	Avant-garde Materials Simulation	Germany
	16:20 – 16:40	B102	O2A-8	Cofomers predictions, synthesis and characterization of pharmaceutical cocrystals	L. Roca-Paixão	Unité Matériaux et Transformations	France
	16:40 – 17:00	B102	O2A-9	Insight into solvent-dependent conformational polymorphic selectivity: a case of undecanedioic acid	Peng Shi	Tianjin University	China
	17:00 – 17:20	B102	O2A-10	Understanding of powder cohesion and surface interaction forces at particle-particle contact points in agglomerated powders for inhalation drugs	Thai T. H. Nguyen	University of Leeds	UK
	10:40 – 11:00	B101	O2B-1	Effects of additives on nucleation percentage of glycine in microdroplets	Cong Jing	Tianjin University	China
	11:00 – 11:20	B101	O2B-2	Growth and characterization of imidazolium l-tratrate (IMLT) single crystal	Hiral Raval	Pandit Deendayal Petroleum University	India
	11:20 – 11:40	B101	O2B-3	Molecular dynamics of carbamazepine-fumaric acid cocrystal dissolution in ethanolic solution	Umi Rafiah Shukri	Universiti Teknologi MARA	Malaysia
	11:40 – 12:00	B101	O2B-4	Physico chemical characterization and biological applications of l arginine added single crystals	P. Yasotha	Sri Vasavi College	India
	14:30 – 14:50	B101	O2B-5	Design of continuous crystallization of calcium propionate	Tao Li	Max Planck Institute	Germany
	14:50 – 15:10	B101	O2B-6	Purification problems caused by solid solution in amino acid industry	Jun-Woo Kim	CJ CheilJedang BIO R&D Institute	Korea
	16:00 – 16:20	B101	O2B-7	A multi-zonal population balance modelling approach for crystallisation processes	T. Mahmud	University of Leeds	UK
	16:20 – 16:40	B101	O2B-8	Design and mechanism of the formation of spherical kcl particles using cooling crystallization without additives	Mingyang Chen	National Engineering Research Center	China
	16:40 – 17:00	B101	O2B-9	Towards the virtual design of experiments (vDoE) of a cooling crystallization process via the application of population balance modelling	Daniel Braido	Process Systems Enterprise (PSE)	USA

	17:00 – 17:20	B101	O2B-10	Nucleation control and suppression of liquid-liquid phase separation of vanillin through vapour diffusion crystallization process	K. Srinivasan	Bharathiar University	India
Aug.30 (Thu)	10:40 – 11:00	B102	O3A-1	Crystal structure, ternary phase diagram and solution-mediated polymorphic transformation of a novel solid-state form of cl-20	Bochen Pan	Tianjin University	China
	11:00 – 11:20	B102	O3A-2	Morphology and structure control of organic cocrystals	Norihito Doki	Iwate University	Japan
	11:20 – 11:40	B102	O3A-3	The mechanism behind solid-state phase transitions in molecular crystals and co-crystals	Hugo Meekes	Radboud University	Netherlands
	11:40 – 12:00	B102	O3A-4	Control of mos2 basal plane by crystallinity modulation with using mechanical shear in a taylor-couette flow reactor under alkaline ph condition	Younghyun Cha	KAIST	Korea
	14:30 – 14:50	B102	O3A-5	Dynamic evolution of structural order during the melt crystallisation of synthetic surfactants	Mohammed I. Jeraal	University of Leeds	UK
	14:50 – 15:10	B102	O3A-6	Solubility and thermodynamic function of carbamazepine-saccharin (CBZ-SAC) co-crystal in ethanolic solution	Fatinah Ab rahman	Universiti Malaysia Pahang	Malaysia
	15:10 – 15:30	B102	O3A-7	Prediction of cu-pumping in through-silicon vias considering coarsening of polycrystalline structure	Wooju Lee	Sogang University	Korea
	16:00 – 16:20	B102	O3A-8	Experimental measurement and morphological population balance validation of crystal shape and size iin α -para-aminobenzoic acid crystallisation	Cai Y Ma	University of Leeds	UK
	16:20 – 16:40	B102	O3A-9	Development of an analytical crystal size distrbution model for unseeded crystallization	Seunghwan Kim	Korea University	Korea
	16:40 – 17:00	B102	O3A-10	From supercooled liquid crystallization to intermolecular induced polymorphism: insight into the poorly understood solid state of menthol	Yohann Corvis	Université Paris Descartes	France
	10:40 – 11:00	B101	O3B-1	Preparation of etoposide nanocrystals suspension by co-precipitation for enhanced targeting and sustained release in cancer therapy	Brice Couillaud	Université Paris Descartes	France
	11:00 – 11:20	B101	O3B-2	Pharmacological applications of l glutamic acid added single crystals	P. Sagunthala	Sri Vasavi College	India
	11:20 – 11:40	B101	O3B-3	Spherical agglomeration of benzoic acid: effect of the binder dispersion	Byeongho Ahn	ETH Zurich	SWITZERLAND
	11:40 – 12:00	B101	O3B-4	How illumination direction affects photomechanical crystal twisting	Daichi Kitagawa	Osaka City University	Japan
	14:30 – 14:50	B101	O3B-5	Hexaazatriphenylene-based, thermally stable, single crystalline hof with permanent porosity	Ichiro Hisaki	Osaka University	Japan
	14:50 – 15:10	B101	O3B-6	Shape control of copper sulfide nanocrystals in ct and cstr crystallizers	Zengmin Tang	Kyung Hee University	Korea
	15:10 – 15:30	B101	O3B-7	Biomimetic polydopamine-mediated formation of molybdenum carbide-phosphate nanocomposites for high efficiency electrochemical hydrogen evolution reaction	Jung Kyu Kim	Sungkyunkwan University	Korea
	16:00 – 16:20	B101	O3B-8	Porous mil-88-nh2 (Fe) metal organic framework: a multi-functional catalyst for catalytic transfer hydrogenation of ethyl levulinate and CO ₂ conversion	Jintu Francis Kurisingal	Pusan National University	Korea
	16:20 – 16:40	B101	O3B-9	Inducing angiogenesis of human adipose derived stem cell using ph-sensitive gold-iron nanoparticles	Yeong Hwan Kim	Sungkyunkwan University	Korea
	16:40 – 17:00	B101	O3B-10	Crystal engineering and continuous crystallisation of alpha lipoic acid	Stephanie Yerdelen	University of Strathclyde	UK