Supergreen 2022 award

Award for oral presentation

Paper #	
OP-3-2	**Synthesis of ZnO nanoparticles in sub- and supercritical water using a dual-stage flow reactor** Makoto Akizuki, Yongxu Wang, Yoshito Oshima* (The University of Tokyo)
OP-4-1	**Supercritical carbon dioxide functionalization of polyethylene terephthalate (PET) for flexible biosensors** Po-Wei Cheng*, Tomoyuki Kurioka, Chun-Yi Chen, Masato Sone, Tso-Fu Mark Chang (Tokyo Institute of Technology)
OP-1-2	**Cocrystal screening of anticancer drug p-toluenesulfonamide and preparation by supercritical antisolvent process** Chun-Jui Chien, Yu Tse Yen, Salal Hasan Khudaida, Chie Shaan Su* (National Taipei University of Technology)
OP-1-3	**Excess molar enthalpies of the binary system carbon dioxide + ethyl lactate at 298.15 and 303.15 K and 5.0 – 7.0 MPa** Hiroyuki Matsuda*, Tomoya Fukui, Kaito Kashioka, Yoshikatsu Furukawa, Kazuyuki Takizawa, Tatsuki Fujita, Kiyofumi Kurihara, Katsumi Tochigi (Nihon University)
OP-2-3	**Supercritical carbon dioxide decellularized cartilage graft efficacy on post-traumatic osteoarthritis model** Periasamy Srinivasan, Lien-Chen Wu, Chang-Jung Chiang, Dur-Zong Hsu, Yun-Ju Chen, Ming-Yao Chang, Dar-Jen Hsieh* (ACRO Biomedical Co., Ltd)

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Award for poster presentation

Paper#	
PP-08	**Instant formulation of inhaled beclomethasone dipropionate-hydroxypropyl-beta-cyclodextrin composite particles produced using supercritical assisted atomization** Hsien-Tsung Wu*, Yao-Hsiang Chuang, Tzu-Chieh Hu, Yu-Xuan Huang (Ming Chi University of Technology)
PP-17	**Improvement of thermal conductivity of hybrid materials by organically surface modification of h-BN filler** Haruka Onuma, Takaaki Tomai, Akira Yoko, Gimyeong Seong, Tadafumi Adschiri* (Tohoku University)
PP-20	**One pot, simultaneous drying and micronization of ecamsule using supercritical CO_2 as an Antisolvent** Aye Aye Myint, Jaehoon Kim* (Sungkyunkwan University)
PP-03	**Prediction of drug solubility in supercritical carbon dioxide by PC-SAFT EOS** Chen-Chen Wu, Yi-Ru Chen, Chieh-Ming Hsieh* (National Central University)
PP-15	**Synthesis of metal oxide nanoparticles by supercritical hydrothermal methods with flow-type reactors and control of lattice distortion by nanosizing** Nobutaka Chiba, Akira Yoko, Gimyeong Seong, Takaaki Tomai, Tadafumi Adschiri* (Tohoku University)

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Special award: The hottest paper award

Paper#	
OP-1-1	**Investigation of the solvation effect on decarboxylation in supercritical water using computational methods** Anna Legaspi, Makoto Akizuki, Yoshito Oshima* (The University of Tokyo)
OP-21	**Study on the optimization of subcritical water liquefaction of vinegar residues and acetic acid fermentation conditions for new vinegar products** Daigo Murakami, Shoji Hirayama, Yuriko Hoshino, Kazuharu Yamato, Munehiro Hoshino, Mitsuru Sasaki* (Kumamoto University)