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- P-01 Particle size and fluid viscosity effects on the microfiltration characteristics**
Kuo-Jen Hwang, Iou-Liang Lin
Tamkang University (Taiwan)
- P-02 A cost-effective hybrid capacitive deionization system for recycling of coal mine wastewater**
Murat Cakici, Jin-Soo Park, Moon-Sung Kang, Ali Abbas, Yoshiro Kanto, Namsoo Park, Kyung-Seok Kang, So-Ryong Chae
The University of Sydney (Australia)
- P-03 Precipitation – Flotation of Strontium from Aqueous Solution**
Luong Huynh Vu Thanh, Jhy-Chern Liu
National Taiwan University of Science and Technology (Taiwan)
- P-04 Decolorization of dye wastewater by enzymatic membrane reactor using cultural supernatant of white-rot fungus**
Mitsunobu Takatsu, Eiji Iritani, Nobuyuki Katagiri
Nagoya University (Japan)
- P-05 Measurement of cake properties based on variable pressure ultrafiltration**
Ryouta Nakajima, Eiji Iritani, Nobuyuki Katagiri
Nagoya University (Japan)
- P-06 Performance of Shallow Bed Filter Packed with Super Fine Silica Sand**
Shinsuke Kasahara, Shuji Minami, Munetaka Ishikawa
Osaka Institute of Technology (Japan)
- P-07 Separation Process and Test Conditions for Digestate using a Rotational Rheometer and Computational Fluid Dynamics**
Emilio Humberto Alvarenga Castellanos, Carlos Salas-Bringas
Norwegian University of Life Sciences (Norway)
- P-08 Design of Horizontal Roughing Filter and Slow Sand Filter for treatment of Pond Water**
Ronjon Chakrabarti, Martin Jekel, Pankaj Kumar Roy, Manisha Banik, Gourab Banerjee, Somnath Pal, Asis Mazumdar
Technical University Berlin (Germany)
- P-09 Retrofitting a package treatment unit to process grey water**
Pavlo Kozminykh, Daniel Todt, Mevesse Eshetu, Arve Heistad
Norwegian University of Life Sciences (Norway)
- P-10 Wastewater purification using coagulation, flocculation and sedimentation for pathogenic protozoa removal.**
Gabriela Laila de Oliveira, Luiz Antonio Daniel
University of São Paulo (Brazil)
- P-11 Effects of operating conditions of forward osmosis membrane on rejection of nutrients contained in municipal wastewater**
Yuta Masumori, Taro Miyoshi, Masahiro Yasukawa, Toru Ishigami, Tomoki Takahashi, Hideto Matsuyama
Kobe University (Japan)
- P-12 Removal of Particles and Organics in Industrial Wastewater by Coagulation**
Ping Xu, Yajun Zhang, Lihua Sun, Xiangyun Ren, Jing Wang, Cuimin Feng, Xiaodong Liu
Beijing University of Civil Engineering and Architecture (China)

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- P-13 Water quality in Industrial Cooling System Makeup by Reused Water**
Ping Xu, Yajun Zhang, Cuimin Feng, Li Zhang, Le Yu, Chao Xiang, Jing Wang
Beijing University of Civil Engineering and Architecture (China)
- P-14 Comparison of coagulation performances by zirconium, alum and chitosan coagulants**
Ekaterina Iarovitcyna, T. Haakonsen, L. J. Robertson, M. Myrmel
Norwegian School of Veterinary Science (Norway)
- P-15 Experimental determination and modelling of nanoparticle flotation efficiency**
Lucie Vialaret, Mallorie Tourbin, Pascal Guiraud
Université de Toulouse (France)
- P-16 Improving a multi-parameter based dosing control system**
Liu Wei, Harsha Ratnaweera, Song Heping
Norwegian University of Life Sciences (Norway)
- P-17 Mathematical Modelling of Sludge Filtration and Experimental Verification**
Mohsen Taghavi Jeloudar, Shervin Hashemi, Mooyoung Han
Seoul National University (Korea)
- P-18 Effects of different anions (SO_4^{2-} and CO_3^{2-}) on the coagulation process in TiO_2 system using different coagulants (AlCl_3 , PACl_{10} , PACl_{20} , Al_{13})**
Hui Xu, Feng Xiao, Dongsheng Wang
Chinese Academy of Sciences (China)
- P-19 Investigation of the deformation and deformation-induced mass transport for individual bio-flocs in water**
Wen-jun Sun, Xiao-yan Li
The University of Hong Kong (Hong Kong, China)
- P-20 Effects of different coagulants in treatment of TiO_2 -humic acid (HA) water and the aggregate characterization in different coagulation conditions**
Feng Xiao, Hui Xu, Dongsheng Wang
Chinese Academy of Science (China)
- P-21 Assessment of sand filters and UF membrane filters by using particle counting**
Xiao-mao Wang, Chao Zhou, Hong-wei YANG, Yuefeng F. Xie
Tsinghua University (China)
- P-22 Effects of magnetite particle size on the phosphate adsorption characteristics**
Younggyun Choi, Hyuncheol Chun, Hyunsoon Kim, Minseo Ryu
Daegu University (Korea)
- P-23 Removal of nitrobenzene from micro-polluted water resource in a submerged MBR and the importance of activated sludge**
Q. Zhang, F.Y. Sun, W.Y. Dong, R.B. Han
Harbin Institute of Technology Shenzhen Graduate School (China)
- P-24 A fundamental study on the flocculation performance of chitosan**
Kazuhiro Fujisaki
Kyushu Institute of Technology (Japan)

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- P-25 The effect of humic acid and fulvic acid on the aggregation of TiO₂ Nanoparticles**
Miao Zhu, Chen Wang, Hongtao Wang, Fengting Li
Tongji University (China)
- P-26 Development of Low cost, Low energy Bubble Generator Exceeding Henry's law on Bubble Volume Concentration**
Hyungeun Song, Hyunju Park, Tschung-il Kim, Mooyoung Han
Seoul National University (Korea)
- P-27 The Importance of Detention time at High rate DAF process**
Hosik Choi, Tschung-il Kim, Mooyoung Han
Seoul National University (Korea)
- P-28 Separation of different sized nanoparticles with time using a rotational flow in 2X2 microfluidic centrifuge**
Hyeong Jin Jeon, Moon Jeong Kim, Bong Hyun Kwon, Hyung Hoon Kim, Jeung Sang Go
Pusan National University (Korea)
- P-29 Energy-saving Membrane Bioreactor**
Hirofumi Maruno, Mitsushige Shimada, Masahiko Miura
KOBELCO-ECO SOLUTIONS CO.,LTD. (Japan)
- P-30 Operational Diagram for Pressure Dewatering Filtration of Harvested Algae**
Mohsen Taghavi Jeloudar, Shervin Hashemi, Mooyoung Han
Seoul National University (Korea)
- P-31 Application of Hybrid Microfiltration (MF) Membrane System to Raw Water from Yodo River**
Yusei Kobayashi, Hiroyuki Takino, Masami Oya, Daiji Nagashio, Masahiko Nakamura
Hanshin Water Supply Authority (Japan)
- P-32 Using Composite Metal Oxide Adsorbents to Remove Phosphorous from Membrane Bioreactor Effluent**
Hak-Soon Park, Se-Hoon Kwak, Kwang-Ho Choo, Byung-Ho Lee
Kyungpook National University (Korea)