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Research Areas

Environmental Engineering, Civil Engineering, Biotechnology, Environmental Biology, Microbiology

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Fen-Edebiyat, Moleküler Biyoloji Ve Genetik, 2021 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Separation of rare earth elements from mixed-metal feedstocks by micelle enhanced ultrafiltration with sodium dodecyl sulfate**
Kose-Mutlu B., Hsu-Kim H., Wiesner M. R.
ENVIRONMENTAL TECHNOLOGY, 2020 (Journal Indexed in SCI)
- II. **Application of nanofiltration for Rare Earth Elements recovery from coal fly ash leachate: Performance and cost evaluation**
Mutlu B., Cantoni B., Turolla A., Antonelli M., Hsu-Kim H., Wiesner M. R.
CHEMICAL ENGINEERING JOURNAL, vol.349, pp.309-317, 2018 (Journal Indexed in SCI)
- III. **Treatment of produced water originated from oil and gas production wells: a pilot study and cost analysis**
Erşahin M. E. , Ozgun H., Kaya R., Mutlu B., Kınacı C., Koyuncu İ.
Environmental Science and Pollution Research, vol.25, no.7, pp.6398-6406, 2018 (Journal Indexed in SCI Expanded)
- IV. **Bismuth Chelate-Doped Microfiltration Membrane and Its Anti-Biofouling Performance During a High-Flux Membrane Bioreactor Operation**
KOSE-MUTLU B., Turken T., Guclu S., Güçlü M. C. , DURMAZ G., OKATAN S., Övez S., Koyuncu İ.
Clean - Soil, Air, Water, vol.45, no.8, 2017 (Journal Indexed in SCI Expanded)
- V. **Influence of powdered and granular activated carbon system as a pre-treatment alternative for membrane filtration of produced water**
KOSE-MUTLU B., Erşahin M. E. , Ozgun H., Kaya R., Kınacı C., Koyuncu İ.
Journal of Chemical Technology and Biotechnology, vol.92, no.2, pp.283-291, 2017 (Journal Indexed in SCI Expanded)
- VI. **Biofouling control based on bacterial quorum quenching with a new application: Rotary microbial carrier frame**
Ergon-Can T., KOSE-MUTLU B., Koyuncu I. I. , Lee C.
Journal of Membrane Science, vol.525, pp.116-124, 2017 (Journal Indexed in SCI Expanded)
- VII. **Manufacturing of antibiofouling polymeric membranes with bismuth-BAL chelate (BisBAL)**
Övez S., TURKEN T., KOSE-MUTLU B., OKATAN S., DURMAZ G., GUCLU M. C. , GUCLU S., Chellam S., KOYUNCU İ.

- Desalination and Water Treatment, vol.57, no.28, pp.12941-12955, 2016 (Journal Indexed in SCI Expanded)
- VIII. **Quorum quenching MBR operations for biofouling control under different operation conditions and using different immobilization media**
Kose-Mutlu B., ERGON-CAN T., Koyuncu İ., Lee C.
Desalination and Water Treatment, vol.57, no.38, pp.17696-17706, 2016 (Journal Indexed in SCI Expanded)
- IX. **Effects of the pre-treatment alternatives on the treatment of oil-gas field produced water by nanofiltration and reverse osmosis membranes**
Ozgun H., ERSAHIN M. E. , ERDEM S., ATAY B., KOSE B., KAYA R., ALTINBAS M., SAYILI S., HOSHAN P., ATAY D., et al.
Journal of Chemical Technology and Biotechnology, vol.88, no.8, pp.1576-1583, 2013 (Journal Indexed in SCI Expanded)
- X. **The production of polysulfone (PS) membrane with silver nanoparticles (AgNP): Physical properties, filtration performances, and biofouling resistances of membranes**
Koseoglu-Imer D. Y. , KOSE B., ALTINBAS M., Koyuncu İ.
Journal of Membrane Science, vol.428, pp.620-628, 2013 (Journal Indexed in SCI Expanded)
- XI. **Performance evaluation of a submerged membrane bioreactor for the treatment of brackish oil and natural gas field produced water**
Kose B., OZGUN H., ERSAHIN M. E. , Dizge N., Koseoglu-Imer D. Y. , ATAY B., KAYA R., ALTINBAS M., SAYILI S., HOSHAN P., et al.
Desalination, vol.285, pp.295-300, 2012 (Journal Indexed in SCI Expanded)

Citations

Total Citations (WOS):311

h-index (WOS):9