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Research Areas

Chemical Engineering and Technology, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The performance of polyethersulfone nanocomposite membrane in the removal of industrial dyes**
Mahmoudian M., Kochameshki M.
Polymer, vol.224, 2021 (SCI-Expanded)
- II. **Modeling of Living Cationic Ring-Opening Polymerization of Cyclic Ethers: Active Chain End versus Activated Monomer Mechanism**
Mahmoudian M., Nosratzadegan K., Azarnia J., Esfاده A., Ghasemi Kochameshki M., Shokri A.
IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION, vol.39, no.5, pp.95-110, 2020 (SCI-Expanded)
- III. **Mathematical Modeling of 1, 3-Butadiene Polymerization Initiated by Hydrogen Peroxide**
Mahmoudian M., Nosratzadegan K., GHASEMIKOUCHAMESHGI M., Shokri A.
IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION, vol.39, no.5, pp.79-94, 2020 (SCI-Expanded)
- IV. **Preparation and investigation of poly(methylmethacrylate) nano-capsules containing haloxyfop-R-methyl and their release behavior**
Mahmoudian M., Torbati S., AliMirzayi N., Nozad E., Kochameshki M., Shokri A.
Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, vol.55, no.4, pp.301-309, 2020 (SCI-Expanded)
- V. **Graphene oxide grafted poly(acrylic acid) synthesized via surface initiated RAFT as a pH-responsive additive for mixed matrix membrane**
Kochameshki M., Mahmoudian M., Marjani A., Farhadi K., Enayati M., Mollayousefi H. S.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.12, 2019 (SCI-Expanded)
- VI. **Investigation of structure-performance properties of a special type of polysulfone blended membranes**
Mahmoudian M., Kochameshki M., Mahdavi H., Vahabi H., Enayati M.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.29, no.10, pp.2690-2700, 2018 (SCI-Expanded)
- VII. **Preparation and investigation of hybrid self-healing coatings containing linseed oil loaded nanocapsules, potassium ethyl xanthate and benzotriazole on copper surface**
Mahmoudian M., Nozad E., Kochameshki M., Enayati M.

PROGRESS IN ORGANIC COATINGS, vol.120, pp.167-178, 2018 (SCI-Expanded)

- VIII. **Modification of graphene oxide by ATRP: A pH-responsive additive in membrane for separation of salts, dyes and heavy metals**

Mahmoudian M., Kochameshki M., Hosseinzadeh M.

JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.6, no.2, pp.3122-3134, 2018 (SCI-Expanded)

- IX. **Grafting of diallyldimethylammonium chloride on graphene oxide by RAFT polymerization for modification of nanocomposite polysulfone membranes using in water treatment**

Kochameshki M., Marjani A., Mahmoudian M., Farhadi K.

CHEMICAL ENGINEERING JOURNAL, vol.309, pp.206-221, 2017 (SCI-Expanded)

Metrics

Publication: 9

Citation (WoS): 144

Citation (Scopus): 95

H-Index (WoS): 6

H-Index (Scopus): 5