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**EDUCATION**

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**PUBLICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2022** | **26** | **155** | **68** | **0** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

**1.** Modeling and simulation of nanofluid in low Reynolds numbers using two-phase Lattice Boltzmann method based on mixture model. Abdollahzadeh Yoosef, Mehrpooya Mehdi, Mousavian Seyed Mohammad Ali, Moqtaderi Hamed (2023)., CHEMICAL ENGINEERING RESEARCH & DESIGN, 192(23), 402-411.

**2.** Liquid-liquid extraction of calcium in a scaled-out microfluidic device: Process intensification using a crown ether-ionic liquid system. Asadi saghandi Hamid, Karimi-sabet Javad, Ghorbanian Sohrab Ali, Mousavian Seyed Mohammad Ali (2023)., Chemical Engineering and Processing-Process Intensification, 183(ND), 109261.

**3.** Design and economic analysis of heat exchangers used in solar cogeneration systems based on nanoworking fluid. Saedi gavore Mehran, Mehrpooya Mehdi, Shabani Adib, Mousavian Seyed Mohammad Ali (2022)., CHEMICAL PAPERS, 12(35).

**4.** Th(ІV) biosorption from a three-component feed solution by Ca-pretreated Cystoseria indica alga in a fixed-bed column: Experimental tests and modeling. Amiri Mahdi, Keshtkar Alireza, Mousavian Seyed Mohammad Ali (2022)., Journal of Environmental Chemical Engineering, 10(6), 108579.

**5.** Intensification of catalytic reaction of nitrous oxide decomposition into a replaceable wall-coated microreactor using electrophoretic deposition method. Heshmatifar Fatemeh, Karimi sabet Javad, Khadiv- Parsi Parissa, Mousavian Seyed Mohammad Ali (2022)., Chemical Engineering and Processing-Process Intensification, 177(N), 108965.

**6.** The strategy of precursors entering furnace for graphene synthesis through the CVD technique. Koosha Najmeh, Karimi-sabet Javad, Mousavian Seyed Mohammad Ali, Amini Younes, Dastbaz English (2022)., Graphene and 2D Materials, 7(ND), 31-44.

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**9.** Erbium adsorption from aqueous solutions using RSM-based optimization of the phosphate functional group in modified nano titania. Ghorbani khoshkeroodi Seyed rohollah, Lalinia Minoosh, Mousavian Seyed Mohammad Ali, Sillanpaa Mika (2022)., COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 641(ND), 128537.

**10.** Optimal design and economic analysis of a hybrid process of municipal solid waste plasma gasification, thermophotovoltaic power generation and hydrogen/liquid fuel production. Mehrpooya Mehdi, Ghorbani Amir, Mousavian Seyed Mohammad Ali, Amiri Yasaman (2022)., SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, 49(2), 101717.

**11.** Dimensionless analysis on liquid–liquid two-phase flow patterns in a numbered-up microfluidic device. Asadi saghandi Hamid, Karimi-sabet Javad, Ghorbanian Sohrab Ali, Mousavian Seyed Mohammad Ali (2022)., CHEMICAL ENGINEERING JOURNAL, 429(ND), 132428.

**12.** Study of calcium liquid-liquid extraction in parallel microchannels. Asadi saghandi Hamid, Karimi-sabet Javad, Ghorbanian Sohrab Ali, Mousavian Seyed Mohammad Ali (2022).

**13.** Heat transfer and economic analyses of using various nanofluids in shell and tube heat exchangers for the cogeneration and solar-driven organic Rankine cycle systems. Mehrpooya Mehdi, Dehqani Meqdad, [] [], Mousavian Seyed Mohammad Ali (2021)., International Journal of Low-Carbon Technologies, 69(10).

**14.** Development of a CFD-based simulation model and optimization of thermal diffusion column: application on noble gas separation. Eghbalahmadi Hamed, Khadiv- Parsi Parissa, Mousavian Seyed Mohammad Ali, Eghbal Ahmadi Mohammad Hosein (2021)., Chemical Product and Process Modeling, 0(0).

**15.** Modeling uranium (II) removal from aqueous solution by micellar enhanced ultrafiltration using response surface methodology. Shojaei Hesam, Keshtkar Alireza, Mousavian Seyed Mohammad Ali, Ghasemi Torkabad Morteza (2021)., Groundwater for Sustainable Development, 15(ND), 100660.

**16.** The investigation of the efficient replaceable microreactor into the catalytic decomposition of N2O over Pd/anodic γ-Al2O3 /Al. Heshmatifar Fatemeh, Karimi-sabet Javad, Khadiv- Parsi Parissa, Mousavian Seyed Mohammad Ali (2021)., Chemical Engineering and Processing-Process Intensification, 168(n), 108555.

**17.** The optimization of U(VI) removal by a novel amidoximated modified calcium alginate gel bead with entrapped functionalized SiO2 nanoparticles. Khajavi Pegah, Keshtkar Ali Reza, Mousavian Seyed Mohammad Ali (2021)., PROGRESS IN NUCLEAR ENERGY, 140(ND), 103887.

**18.** Acid Gas Converting to Organosulfur and Hydrogen in Methanol Thiolation Using Alkali Promoted Catalysts: Case Study. [] [], Mousavian Seyed Mohammad Ali, Royaee Seyed Javid, Zamani Yahya (2021)., CATALYSIS SURVEYS FROM ASIA, ND(ND).

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**23.** One-pot EPD/ECD fabrication of high-performance binder-free nanocomposite based on the Fe3O4 nanoparticles/porous graphene sheets for supercapacitor applications. Malekbarmi Abbas ali, Mousavian Seyed Mohammad Ali, Aghazadeh Mustafa, Nozad Golikand Ahmad (2020)., JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 31(22), 19569-19586.

**24.** Binder-free high-performance Fe3O4 fine particles in situ grown onto N-doped porous graphene layers co-embedded into porous substrate as supercapacitor electrode. Malekbarmi Abbas ali, Aghazadeh Mustafa, Mousavian Seyed Mohammad Ali, Nozad Golikand Ahmad (2020)., JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 31(18), 15198-15217.

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**27.** An experimental investigation of smart-water wettability alteration in carbonate rocks – oil recovery and temperature effects. Montazeri Mostafa, Fazelabdolabadi Babak, Shahrabadi Abbas, Nouralishahi Amideddin, Hallajisani Ahmad, Mousavian Seyed Mohammad Ali (2020)., Energy Sources Part A-Recovery Utilization and Environmental Effects, --(--), 1-13.

**28.** Enhanced quality of transfer-free graphene membrane for He/CH4 separation. Nikkho Sepehr, میرزائی مریم, Karimi-sabet Javad, Mousavian Seyed Mohammad Ali, Hedayat Seyed Mahdi (2020)., SEPARATION AND PURIFICATION TECHNOLOGY, 232(ND), 115972.

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**30.** Energy analysis and economic evaluation of a new developed integrated process configuration to produce power, hydrogen, and heat. Mehrpooya Mehdi, Karimian Fazeleh, Mousavian Seyed Mohammad Ali (2019)., JOURNAL OF CLEANER PRODUCTION, 239(88), 118042.

**31.** Using Fe3O4-coated nanofibers based on cellulose acetate/chitosan for adsorption of Cr(VI), Ni(II) and phenol from aqueous solutions. Karamipour Alireza, Khadiv- Parsi Parissa, Zahedi Payam, Mousavian Seyed Mohammad Ali (2019)., INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, ND(ND).

**32.** Sonochemical synthesis of novel decorated graphene nanosheets with amine functional Cu-terephthalate MOF for hydrogen adsorption: Effect of ultrasound and graphene content. Dastbaz English, Karimi-sabet Javad, Mousavian Seyed Mohammad Ali (2019)., INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 44(48), 26444-26458.

**33.** Numerical study of n-heptane/benzene separation by thermal diffusion column. Hashemipour Neda, Karimi-sabet Javad, Motahari Kazem, Mahruz Monfared Saeid, Amini Younes, Mousavian Seyed Mohammad Ali (2019)., CHINESE JOURNAL OF CHEMICAL ENGINEERING, 27(8), 1745-1755.

**34.** Use of axial dispersion and plug flow models for determination of axial mixing and mass transfer coefficient in an l‐shaped pulsed packed extraction column. Khooshechin Sajad, Safdari Seyed Jaber, Mousavian Seyed Mohammad Ali, Mallah Mohammad Hassan (2019)., CANADIAN JOURNAL OF CHEMICAL ENGINEERING, 97(9), 2536-2547.

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**36.** Applying forward mixing model in an L-shape pulsed packed extraction column to investigate the influence of drop size distribution on mass transfer. Khooshechin Sajjad, Safdari Jaber, Mousavian Seyed Mohammad Ali, Mallah Mohammad Hassan (2019)., CHEMICAL ENGINEERING RESEARCH & DESIGN, 145(ND), 279-287.

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**40.** Optimization and modification of PVDF dual-layer hollow fiber membrane for direct contact membrane distillation; application of response surface methodology and morphology study. BAHRAMI MAHDI, Karimi-sabet Javad, Hatamnejad Ali, Dastbaz Abolfazl, Mousavian Seyed Mohammad Ali (2018)., KOREAN JOURNAL OF CHEMICAL ENGINEERING, 35(11), 2241-2255.

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**44.** Optimization of extraction conditions using central composite design for the removal of Co(II) from chloride solution by supported liquid membrane. Vafaei Faegheh, Torkaman Rezvan, Mousavian Seyed Mohammad Ali, پریسا ظاهری (2018)., CHEMICAL ENGINEERING RESEARCH & DESIGN, 133(-), 126-136.

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**50.** Sulfate removal from chlor-alkali brine using nanofiltration: Parameters investigation and optimization via Taguchi design method. Mousavi Seyed Emad, Mousavian Seyed Mohammad Ali, مهدی جلالی جیوان, Zahedi Payam, الهام کریمی (2017)., Desalination and Water Treatment, 100(42), 75-90.

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**57.** Optimal modifcation of poly vinylidene ﬂuoride membrane surface by using surface-modifying macromolecules for application in membrane distillation. Shoaie Reshad, Karimi Sabet Javad, Mousavian Seyed Mohammad Ali, Khadiv- Parsi Parissa, Moradi Rasoul (2017)., Desalination and Water Treatment, 71(-), 62-78.

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**69.** Electrospun chitosan/baker’s yeast nanofibre adsorbent: preparation, characterization and application in heavy metal adsorption. Hosseini Masume, Keshtkar Alireza, Mousavian Seyed Mohammad Ali (2016)., BULLETIN OF MATERIALS SCIENCE, 39(4), 1091-1100.

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**77.** Studies of removal of uranium from wastewater by novel magmolecular process with the aim to learn for nuclear waste management. Shirvani Samira, Mallah Mohammad Hassan, Mousavian Seyed Mohammad Ali, Safdari Jaber (2016)., JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, 310(1), 45-52.

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