# Mohammad Reza Mohammadi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10197016/publications.pdf

Version: 2024-02-01

| 15 | 316 | 840776 11 | 996975 15 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 15 | 15 | 15 | 97 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Modeling hydrogen solubility in hydrocarbons using extreme gradient boosting and equations of state. Scientific Reports, 2021, 11, 17911. | 3.3 | 52 |
| 2 | Application of cascade forward neural network and group method of data handling to modeling crude oil pyrolysis during thermal enhanced oil recovery. Journal of Petroleum Science and Engineering, 2021, 205, 108836. | 4.2 | 50 |
| 3 | Application of robust machine learning methods to modeling hydrogen solubility in hydrocarbon fuels. International Journal of Hydrogen Energy, 2022, 47, 320-338. | 7.1 | 26 |
| 4 | Modeling solubility of CO2â€“N2 gas mixtures in aqueous electrolyte systems using artificial intelligence techniques and equations of state. Scientific Reports, 2022, 12, 3625. | 3.3 | 26 |
| 5 | Modeling surface tension of ionic liquids by chemical structure-intelligence based models. Journal of Molecular Liquids, 2021, 342, 116961. | 4.9 | 23 |
| 6 | Evaluation of asphaltene adsorption on minerals of dolomite and sandstone formations in two and three-phase systems. Advances in Geo-Energy Research, 2021, 5, 39-52. | 6.0 | 23 |
| 7 | On the evaluation of crude oil oxidation during thermogravimetry by generalised regression neural network and gene expression programming: application to thermal enhanced oil recovery. Combustion Theory and Modelling, 2021, 25, 1268-1295. | 1.9 | 21 |
| 8 | Modeling hydrogen solubility in alcohols using machine learning models and equations of state. Journal of Molecular Liquids, 2022, 346, 117807. | 4.9 | 16 |
| 9 | Toward predicting SO2 solubility in ionic liquids utilizing soft computing approaches and equations of state. Journal of the Taiwan Institute of Chemical Engineers, 2022, 133, 104220. | 5.3 | 14 |
| 10 | Modeling of nitrogen solubility in normal alkanes using machine learning methods compared with cubic and PC-SAFT equations of state. Scientific Reports, 2021, 11, 24403. | 3.3 | 13 |
| 11 | Modeling of nitrogen solubility in unsaturated, cyclic, and aromatic hydrocarbons: Deep learning methods and SAFT equation of state. Journal of the Taiwan Institute of Chemical Engineers, 2021, 131, 104124-104124. | 5.3 | 12 |
| 12 | Toward mechanistic understanding of asphaltene adsorption onto quartz surface: The roles of size, concentration, and hydrophobicity of quartz, asphaltene composition, flow condition, and aqueous phase. Journal of Petroleum Science and Engineering, 2021, 205, 108820. | 4.2 | 11 |
| 13 | Modeling Interfacial Tension of N2/CO2 Mixture + n-Alkanes with Machine Learning Methods: Application to EOR in Conventional and Unconventional Reservoirs by Flue Gas Injection. Minerals (Basel, Switzerland), 2022, 12, 252. | 2.0 | 11 |
| 14 | Experimental Measurement and Equilibrium Modeling of Adsorption of Asphaltenes from Various Origins onto the Magnetite Surface under Static and Dynamic Conditions. ACS Omega, 2021, 6, 24256-24268. | 3.5 | 10 |
| 15 | On the evaluation of asphaltene adsorption onto dolomite surface: The roles of flow condition, composition of asphaltene, and dolomite size. AEJ - Alexandria Engineering Journal, 2022, 61, 9411-9425. | 6.4 | 8 |