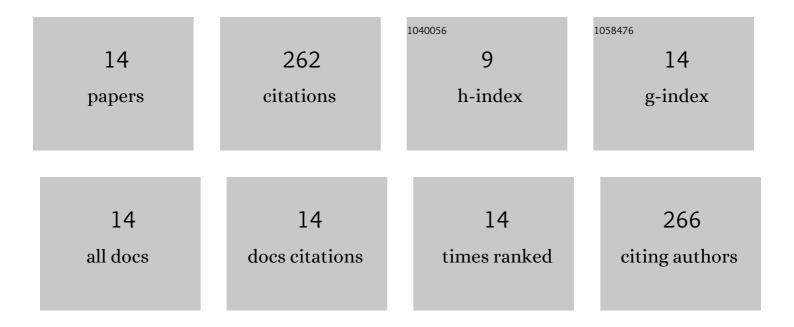
Jaisree Iyer

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Heat transfer and pressure drop characteristics of heat exchangers based on triply periodic minimal and periodic nodal surfaces. Applied Thermal Engineering, 2022, 209, 118192. | 6.0 | 49 |
| 2 | Influence of Chemical, Mechanical, and Transport Processes on Wellbore Leakage from Geologic CO ₂ Storage Reservoirs. Accounts of Chemical Research, 2017, 50, 1829-1837. | 15.6 | 39 |
| 3 | Effect of thermal stress on wellbore integrity during CO2 injection. International Journal of Greenhouse Gas Control, 2018, 77, 14-26. | 4.6 | 38 |
| 4 | Incorporating reaction-rate dependence in reaction-front models of wellbore-cement/carbonated-brine systems. International Journal of Greenhouse Gas Control, 2017, 59, 160-171. | 4.6 | 30 |
| 5 | Assessment of two-phase flow on the chemical alteration and sealing of leakage pathways in cemented wellbores. International Journal of Greenhouse Gas Control, 2018, 69, 72-80. | 4.6 | 21 |
| 6 | Real Time 3D Observations of Portland Cement Carbonation at CO ₂ Storage Conditions. Environmental Science & Technology, 2020, 54, 8323-8332. | 10.0 | 21 |
| 7 | Are Ellipsoids Feasible Micelle Shapes? An Answer Based on a Molecular-Thermodynamic Model of Nonionic Surfactant Micelles. Journal of Physical Chemistry B, 2012, 116, 6443-6454. | 2.6 | 18 |
| 8 | A Review of Well Integrity Based on Field Experience at Carbon Utilization and Storage Sites. International Journal of Greenhouse Gas Control, 2022, 113, 103533. | 4.6 | 12 |
| 9 | Computer Simulation–Molecular-Thermodynamic Framework to Predict the Micellization Behavior of Mixtures of Surfactants: Application to Binary Surfactant Mixtures. Journal of Physical Chemistry B, 2013, 117, 6430-6442. | 2.6 | 11 |
| 10 | Molecular-Thermodynamic Framework to Predict the Micellization Behavior of Mixtures of Fluorocarbon-Based and Hydrocarbon-Based Surfactants. Journal of Physical Chemistry B, 2014, 118, 2377-2388. | 2.6 | 8 |
| 11 | Impact of Chemical and Mechanical Processes on Leakage from Damaged Wells in CO2 Storage Sites. Environmental Science & Technology, 2020, 54, 1196-1203. | 10.0 | 6 |
| 12 | Geochemical narrowing of cement fracture aperture during multiphase flow of supercritical CO2 and brine. International Journal of Greenhouse Gas Control, 2020, 95, 102978. | 4.6 | 5 |
| 13 | Assessment of Thermal Stress on Well Integrity as a Function of Size and Material Properties. Energy Procedia, 2017, 114, 5241-5248. | 1.8 | 3 |
| 14 | Microbial Carbonation of Monocalcium Silicate. ACS Omega, 2022, 7, 12524-12535. | 3.5 | 1 |