

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|---|---|-----|-----------|
| 1 | An algorithm for finding optimal sensor placement and model uncertainty in data assimilation applied to Riemann problems. <i>Applied Mathematical Modelling</i> , 2022, 103, 649-673. | 4.2 | 3 |
| 2 | Numerical issues in gas flow dynamics with hydraulic shocks using high order finite volume WENO schemes. <i>Journal of Computational Physics</i> , 2020, 404, 109137. | 3.8 | 0 |
| 3 | A multiobjective optimization approach to filter tuning applied to coupled hyperbolic PDEs describing gas flow dynamics. <i>Optimal Control Applications and Methods</i> , 2019, 40, 750-763. | 2.1 | 3 |
| 4 | A comparison of numerical integration schemes for particle filter-based estimation of gas flow dynamics. <i>Physica Scripta</i> , 2018, 93, 125001. | 2.5 | 1 |
| 5 | Comparison of Bayesian estimation methods for modeling flow transients in gas pipelines. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 38, 159-170. | 4.4 | 14 |
| 6 | Comparison of two non-convex mixed-integer nonlinear programming algorithms applied to autoregressive moving average model structure and parameter estimation. <i>Engineering Optimization</i> , 2016, 48, 1693-1706. | 2.6 | 1 |
| 7 | A particle filter-based framework for real-time state estimation of a non-linear hyperbolic PDE system describing transient flows in CO ₂ pipelines. <i>Computers and Mathematics With Applications</i> , 2014, 68, 1991-2004. | 2.7 | 7 |
| 8 | Evaluating the risk of hydrate formation in CO ₂ pipelines under transient operation. <i>International Journal of Greenhouse Gas Control</i> , 2013, 14, 177-182. | 4.6 | 17 |