# Alastair S Wood

List of Publications by Year
in descending order

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|---|---|---|---|
| 21<br>papers | 476<br>citations | 1163117<br>8<br>h-index | 1058476<br>14<br>g-index |
| 21<br>all docs | 21<br>docs citations | 21<br>times ranked | 408<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Review of Suspended Sediment Transport Mathematical Modelling Studies. Fluids, 2022, 7, 23. | 1.7 | 22 |
| 2 | Detoxification of Crude Oil. Green Energy and Technology, 2018, , 173-194. | 0.6 | 0 |
| 3 | Application of permutation genetic algorithm for sequential model building–model validation design of experiments. Soft Computing, 2016, 20, 3023-3044. | 3.6 | 8 |
| 4 | PermGA algorithm for a sequential optimal space filling DoE framework. , 2014, , . | | 5 |
| 5 | Hybrid Genetic Algorithm (GA) for job shop scheduling problems and its sensitivity analysis. International Journal of Intelligent Systems Technologies and Applications, 2012, 11, 49. | 0.2 | 6 |
| 6 | Whole Crude Oil Hydrotreating from Small-Scale Laboratory Pilot Plant to Large-Scale trickle-Bed Reactor: Analysis of Operational Issues through Modeling. Energy &amp; Fuels, 2012, 26, 629-641. | 5.1 | 20 |
| 7 | Economic Analysis of an Industrial Refining Unit Involving Hydrotreatment of Whole Crude Oil in Trickle Bed Reactor using gPROMS. Computer Aided Chemical Engineering, 2012, 30, 652-656. | 0.5 | 2 |
| 8 | Improvement of the Middle Distillate Yields during Crude Oil Hydrotreatment in a Trickle-Bed Reactor. Energy &amp; Fuels, 2011, 25, 773-781. | 5.1 | 33 |
| 9 | Kinetic parameter estimation and simulation of trickle-bed reactor for hydrodesulfurization of crude oil. Chemical Engineering Science, 2011, 66, 859-871. | 3.8 | 93 |
| 10 | Kinetic model development and simulation of simultaneous hydrodenitrogenation and hydrodemetallization of crude oil in trickle bed reactor. Fuel, 2011, 90, 2165-2181. | 6.4 | 69 |
| 11 | Modelling and Optimization of Crude Oil Hydrotreating Process in Trickle Bed Reactor: Energy Consumption and Recovery Issues. Chemical Product and Process Modeling, 2011, 6, . | 0.9 | 1 |
| 12 | Editorial: Special Issue of CAPE FORUM 2011. Chemical Product and Process Modeling, 2011, 6, . | 0.9 | 0 |
| 13 | Enhancement of Productivity of Distillate Fractions by Crude Oil Hydrotreatment: Development of Kinetic Model for the Hydrotreating Process. Computer Aided Chemical Engineering, 2011, , 261-265. | 0.5 | 7 |
| 14 | Simulation and Modeling of Bi-Fuel Engine for Improving the Performance Parameters. , 2010, , . | | 2 |
| 15 | Species based evolutionary algorithms for multimodal optimization: A brief review. , 2010, , . | | 30 |
| 16 | Reliability-inspired species conservation for multimodal functions. , 2010, , . | | 3 |
| 17 | An adaptive species conservation genetic algorithm for multimodal optimization. International Journal for Numerical Methods in Engineering, 2009, 79, 1633-1661. | 2.8 | 14 |
| 18 | Metamodel-based collaborative optimization framework. Structural and Multidisciplinary Optimization, 2009, 38, 103-115. | 3.5 | 74 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Species-conserving particle swarm optimisation for multimodal functions. International Journal of Modelling, Identification and Control, 2009, 8, 290. | 0.2 | 3 |
| 20 | Use of Global Approximations in the Collaborative Optimization Framework. , 2004, , . | | 3 |
| 21 | Sensor-fusion of hydraulic data for burst detection and location in a treated water distribution system. Information Fusion, 2003, 4, 217-229. | 19.1 | 81 |