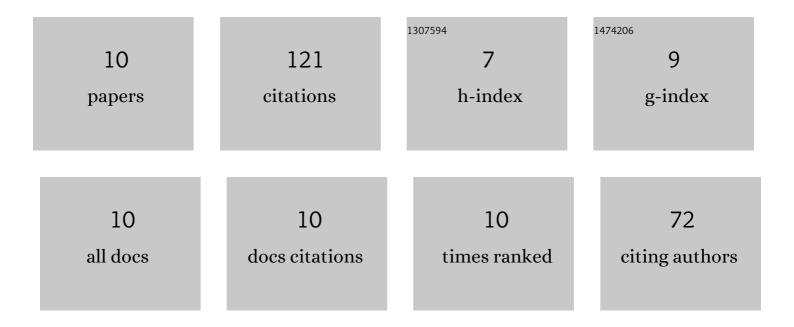
## Xiao-Ri Liu

List of Publications by Year in descending order

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Χιλο-ΒιΤιμ

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Simulating flow and heat transfer in a variety of diesel particulate filter porous structures using<br>lattice Boltzmann method. Thermal Science, 2022, 26, 4583-4593.                               | 1.1  | 0         |
| 2  | The flow and heat transfer characteristics of DPF porous media with different structures based on LBM. Open Physics, 2022, 20, 349-369.  | 1.7  | 2         |
| 3  | Investigation on the urea deposit formation and thermal decomposition characteristics in the SCR aftertreatment system of a diesel engine. Journal of Environmental Sciences, 2021, 103, 157-171.    | 6.1  | 9         |
| 4  | A numerical investigation on the effects of gaseous fuel composition in a pilot ignited direct injection natural gas engine. Energy, 2021, 217, 119467.  | 8.8  | 15        |
| 5  | Numerical Investigation on the Urea Deposit Formation Process in a Selective Catalytic Reduction<br>System of a Diesel Engine Based on a Fluid–Solid Coupling Method. ACS Omega, 2021, 6, 5921-5932. | 3.5  | 9         |
| 6  | Numerical investigations on pilot ignited high pressure direct injection natural gas engines: A review.<br>Renewable and Sustainable Energy Reviews, 2021, 150, 111390.                              | 16.4 | 10        |
| 7  | Random pore structure and REV scale flow analysis of engine particulate filter based on LBM. Open<br>Physics, 2020, 18, 881-896.   | 1.7  | 4         |
| 8  | Study on Flow and Heat Transfer Characteristics of Porous Media in Engine Particulate Filters Based on Lattice Boltzmann Method. Energies, 2019, 12, 3319.   | 3.1  | 11        |
| 9  | The effects of partially premixed combustion mode on the performance and emissions of a direct injection natural gas engine. Fuel, 2019, 250, 218-234.   | 6.4  | 40        |
| 10 | Soot emission prediction in pilot ignited direct injection natural gas engine based on n-heptane/toluene/methane/PAH mechanism. Energy, 2018, 163, 660-681.  | 8.8  | 21        |