# Benzi John

## List of Publications by Year
## in descending order

| 15 | 289 | 1163117 | 1058476 |
|---|---|---|---|
| papers | citations | 8 | 14 |
| | | h-index | g-index |

| 15 | 15 | 15 | 189 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Investigation of Heat and Mass Transfer in a Lid-Driven Cavity Under Nonequilibrium Flow Conditions. Numerical Heat Transfer, Part B: Fundamentals, 2010, 58, 287-303. | 0.9 | 87 |
| 2 | Effects of incomplete surface accommodation on non-equilibrium heat transfer in cavity flow: A parallel DSMC study. Computers and Fluids, 2011, 45, 197-201. | 2.5 | 58 |
| 3 | Particle-based hybrid and multiscale methods for nonequilibrium gas flows. Advances in Aerodynamics, 2019, 1, . | 2.5 | 35 |
| 4 | Non-equilibrium effects on flow past a circular cylinder in the slip and early transition regime. Journal of Fluid Mechanics, 2019, 860, 654-681. | 3.4 | 23 |
| 5 | High-Speed Rarefied Flow Past a Rotating Cylinder: The Inverse Magnus Effect. AIAA Journal, 2016, 54, 1670-1681. | 2.6 | 19 |
| 6 | Numerical investigation of nanoporous evaporation using direct simulation Monte Carlo. Physical Review Fluids, 2019, 4, . | 2.5 | 15 |
| 7 | Computation of head–disk interface gap micro flowfields using DSMC and continuum–atomistic hybrid methods. International Journal for Numerical Methods in Fluids, 2009, 61, 1273-1298. | 1.6 | 12 |
| 8 | Nonequilibrium gaseous heat transfer in pressure-driven plane Poiseuille flow. Physical Review E, 2013, 88, 013018. | 2.1 | 11 |
| 9 | Evaporation from arbitrary nanoporous membrane configurations: An effective evaporation coefficient approach. Physics of Fluids, 2021, 33, . | 4.0 | 7 |
| 10 | Hybrid Continuum–Direct Simulation Monte Carlo and Particle-Laden Flow Modeling in the Head-Disk Interface Gap. IEEE Transactions on Magnetics, 2009, 45, 4929-4932. | 2.1 | 6 |
| 11 | High Speed Aerodynamic Characteristics of Rarefied Flow past Stationary and Rotating Cylinders. , 2015, , . | | 4 |
| 12 | Parallel Compressible Viscous Flow Simulations Using FLASH Code: Implementation for Arbitrary 3D Geometries. Procedia Engineering, 2013, 61, 52-56. | 1.2 | 3 |
| 13 | Parallel Navier–Stokes simulations for high speed compressible flow past arbitrary geometries using FLASH. Computers and Fluids, 2015, 110, 27-35. | 2.5 | 3 |
| 14 | Computation of Aerodynamic Forces Under Nonequilibrium Conditions: Flow Past a Spinning Cylinder. AIAA Journal, 2018, 56, 4219-4224. | 2.6 | 3 |
| 15 | Simulation of the head-disk interface gap using a hybrid multi-scale method. Microfluidics and Nanofluidics, 2018, 22, 1. | 2.2 | 3 |