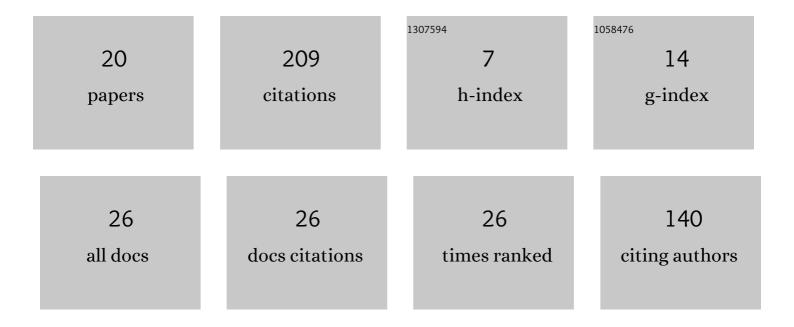
Abbas Ghasemi

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Spray-induced air motion in single and twin ultra-high injection diesel sprays. Fuel, 2014, 121, 284-297. | 6.4 | 47 |
| 2 | Reynolds number effects in the near-field of a turbulent square jet. Experimental Thermal and Fluid Science, 2015, 61, 249-258. | 2.7 | 37 |
| 3 | A study in the developing region of square jet. Journal of Turbulence, 2013, 14, 1-24. | 1.4 | 19 |
| 4 | Large eddy simulation of the near-field vortex dynamics in starting square jet transitioning into steady state. Physics of Fluids, 2016, 28, . | 4.0 | 16 |
| 5 | Large Eddy Simulation of Compressible Subsonic Turbulent Jet Starting From a Smooth Contraction Nozzle. Flow, Turbulence and Combustion, 2017, 98, 83-108. | 2.6 | 12 |
| 6 | Breakup mechanisms in air-assisted atomization of highly viscous pyrolysis oils. Energy Conversion and Management, 2020, 220, 113122. | 9.2 | 12 |
| 7 | Investigation of the Effects of Natural Gas Equivalence Ratio and Piston Bowl Flow Field on Combustion and Pollutant Formation of a DI Dual Fuel Engine. Journal of Applied Sciences, 2010, 10, 1369-1379. | 0.3 | 11 |
| 8 | Curvature-induced deformations of the vortex rings generated at the exit of a rectangular duct. Journal of Fluid Mechanics, 2019, 864, 141-180. | 3.4 | 8 |
| 9 | Investigation of Jet Break-Up Process in Diesel Engine Spray Modelling. Journal of Applied Sciences, 2009, 9, 2078-2087. | 0.3 | 8 |
| 10 | Shear/rotation competition during the roll-up of acoustically excited shear layers. Journal of Fluid Mechanics, 2018, 844, 831-854. | 3.4 | 7 |
| 11 | An Open Cycle Simulation of DI Diesel Engine Flow Field Effect on Spray Processes. , 2012, , . | | 5 |
| 12 | Analysis of Entrainment at the Turbulent/Non-Turbulent Interface of a Square Jet. , 2013, , . | | 5 |
| 13 | Multi-plume sprays interacting with subsonic compressible gas jets. Applied Energy, 2017, 190, 623-633. | 10.1 | 5 |
| 14 | Viscous diffusion effects on the self-induced distortions of rectangular vortex rings. Physics of Fluids, 2018, 30, 124101. | 4.0 | 5 |
| 15 | Numerical simulation of particulate matter interaction with the gas diffusion layer of protonâ€exchange membrane fuel cells under various relative humidity conditions. International Journal of Energy Research, 2021, 45, 11084-11097. | 4.5 | 5 |
| 16 | Fractal structures arising from interfacial instabilities in bio-oil atomization. Scientific Reports, 2021, 11, 411. | 3.3 | 3 |
| 17 | Evolution of liquid and gas phases in multi-plume spray injection. International Journal of Energy Research, 2016, 40, 1935-1950. | 4.5 | 1 |
| 18 | Vortex break-down during the impact of a starting subsonic compressible gas jet on a multi-plume spray. Journal of Visualization, 2016, 19, 679-689. | 1.8 | 1 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Microfluidic two-phase interactions under variable liquid to cross-flow gas momentum flux ratios. Microfluidics and Nanofluidics, 2018, 22, 1. | 2.2 | 1 |
| 20 | Cross-sectional reshaping of perturbed/unperturbed rectangular jets. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2206-2223. | 2.8 | 1 |