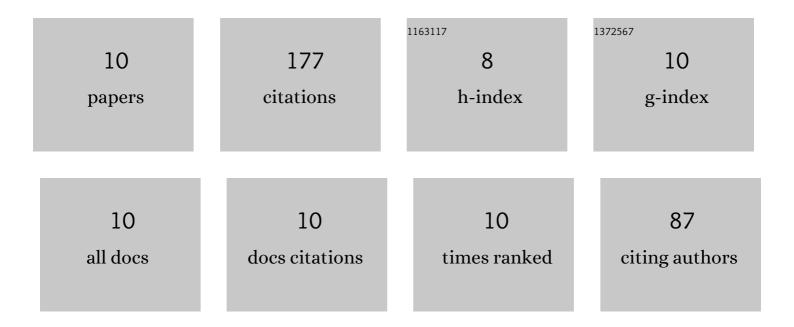
## Abhishek Lakshman Pillai

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6868786/publications.pdf Version: 2024-02-01



| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Influences of liquid fuel atomization and flow rate fluctuations on spray combustion instabilities in a backward-facing step combustor. Combustion and Flame, 2020, 220, 337-356.   | 5.2 | 35        |
| 2  | Combustion noise analysis of a turbulent spray flame using a hybrid DNS/APE-RF approach. Combustion and Flame, 2019, 200, 168-191.  | 5.2 | 30        |
| 3  | Statistical behavior of turbulent kinetic energy transport in boundary layer flashback of hydrogen-rich premixed combustion. Physical Review Fluids, 2019, 4, .                     | 2.5 | 22        |
| 4  | NUMERICAL INVESTIGATION OF FLAME PROPAGATION IN FUEL DROPLET ARRAYS. Atomization and Sprays, 2018, 28, 357-388.   | 0.8 | 20        |
| 5  | Numerical investigation of combustion noise in an open turbulent spray flame. Applied Acoustics, 2018, 133, 16-27.  | 3.3 | 18        |
| 6  | Surface density function evolution and the influence of strain rates during turbulent boundary layer flashback of hydrogen-rich premixed combustion. Physics of Fluids, 2020, 32, . | 4.0 | 16        |
| 7  | Statistics of progress variable and mixture fraction gradients in an open turbulent jet spray flame.<br>Fuel, 2019, 247, 198-208.   | 6.4 | 14        |
| 8  | Numerical analysis of heat transfer characteristics of spray flames impinging on a wall under CI engine-like conditions. Combustion and Flame, 2022, 239, 111615.                   | 5.2 | 10        |
| 9  | Numerical simulation of bi-component fuel droplet evaporation using Level Set method. Fuel, 2022, 318, 123331.  | 6.4 | 7         |
| 10 | Investigation of temporal variation of combustion instability intensity in a back step combustor using LES. Journal of Thermal Science and Technology, 2020, 15, JTST0036-JTST0036. | 1.1 | 5         |