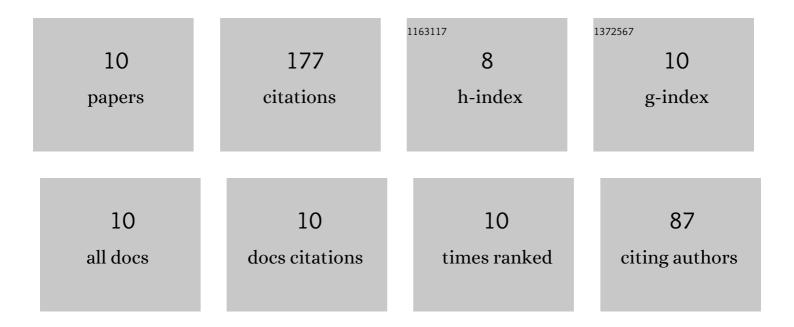
Abhishek Lakshman Pillai

List of Publications by Year in descending order

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#	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. 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