

# Abhishek L Pillai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10416050/publications.pdf>

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9  
papers

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citations

1163117

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1474206

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docs citations

9  
times ranked

87  
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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. <i>Combustion and Flame</i> , 2020, 220, 337-356.	5.2	35
2	Combustion noise analysis of a turbulent spray flame using a hybrid DNS/APE-RF approach. <i>Combustion and Flame</i> , 2019, 200, 168-191.	5.2	30
3	Statistical behavior of turbulent kinetic energy transport in boundary layer flashback of hydrogen-rich premixed combustion. <i>Physical Review Fluids</i> , 2019, 4, .	2.5	22
4	NUMERICAL INVESTIGATION OF FLAME PROPAGATION IN FUEL DROPLET ARRAYS. <i>Atomization and Sprays</i> , 2018, 28, 357-388.	0.8	20
5	Numerical investigation of combustion noise in an open turbulent spray flame. <i>Applied Acoustics</i> , 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. <i>Physics of Fluids</i> , 2020, 32, .	4.0	16
7	Statistics of progress variable and mixture fraction gradients in an open turbulent jet spray flame. <i>Fuel</i> , 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. <i>Combustion and Flame</i> , 2022, 239, 111615.	5.2	10
9	Investigation of temporal variation of combustion instability intensity in a back step combustor using LES. <i>Journal of Thermal Science and Technology</i> , 2020, 15, JTST0036-JTST0036.	1.1	5