

# Yannis Hardalupas

## List of Publications by Year in descending order

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45  
papers

778  
citations

516710

16  
h-index

526287

27  
g-index

45  
all docs

45  
docs citations

45  
times ranked

654  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational fluid dynamics modelling of air entrainment for a plunging jet. Chemical Engineering Research and Design, 2022, 179, 319-330.	5.6	1
2	Multiscale analysis of turbulence-flame interaction based on measurements in premixed flames. Combustion and Flame, 2022, 239, 111982.	5.2	2
3	Laser-induced breakdown spectroscopy for local equivalence ratio measurement in opposed jet methane-air flames. Experimental Thermal and Fluid Science, 2022, 136, 110652.	2.7	2
4	Source terms for benchmarking models of SARS-CoV-2 transmission via aerosols and droplets. Royal Society Open Science, 2022, 9, 212022.	2.4	8
5	Mixing and scalar dissipation rate in a decaying jet. Proceedings of the Combustion Institute, 2021, 38, 3251-3259.	3.9	0
6	Cavitation Bubble Cloud Break-Off Mechanisms at Micro-Channels. Fluids, 2021, 6, 215.	1.7	4
7	Evaluation of Blow-Off Dynamics in Aero-Engine Combustors Using Recurrence Quantification Analysis. , 2021, , .		0
8	Cross-sectional phase distribution measurement of slug flow in small channels. Experiments in Fluids, 2021, 62, 1.	2.4	1
9	Extinction strain rate suppression of the precessing vortex core in a swirl stabilised combustor and consequences for thermoacoustic oscillations. Combustion and Flame, 2020, 211, 229-252.	5.2	15
10	An experimental study of subcritical transition into thermoacoustic oscillations in a swirl stabilized model gas turbine combustor. , 2020, , .		0
11	Measurement of molten chocolate friction under simulated tongue-palate kinematics: Effect of cocoa solids content and aeration. Current Research in Food Science, 2020, 3, 304-313.	5.8	21
12	enrichment of $\text{H}_2$ blends in lean premixed gas turbine combustion: An experimental investigation of air-water turbulent swirling flow of relevance to phase separation equipment. International Journal of Multiphase Flow, 2019, 121, 103110.	6.4	32
13	Experimental investigation of air-water turbulent swirling flow of relevance to phase separation equipment. International Journal of Multiphase Flow, 2019, 121, 103110.	3.4	16
14	Proper orthogonal decomposition of primary breakup and spray in co-axial airblast atomizers. Physics of Fluids, 2019, 31, .	4.0	38
15	Effects of inert fuel diluents on the dynamic state of a thermoacoustically unstable gas turbine combustor. , 2019, , .		0
16	Thermoacoustic phenomena in an industrial gas turbine combustor at two different mean pressures. , 2019, , .		1
17	Laser-induced plasma image velocimetry. Experiments in Fluids, 2019, 60, 1.	2.4	13
18	INFLUENCE OF ENERGY EXCHANGE BETWEEN AIR AND LIQUID STREAMS ON SPRAY CHARACTERISTICS AND ATOMIZATION EFFICIENCY OF WATER-AIR IMPINGING JETS. Atomization and Sprays, 2019, 29, 677-707.	0.8	1

#	ARTICLE	IF	CITATIONS
19	Two-Phase Characterization for Turbulent Dispersion of Sprays: A Review of Optical Techniques. Energy, Environment, and Sustainability, 2018, , 247-273.	1.0	9
20	Chemical species tomographic imaging of the vapour fuel distribution in a compression-ignition engine. International Journal of Engine Research, 2018, 19, 718-731.	2.3	13
21	Laser ignition of methane jets in homogenous and isotropic turbulence. , 2018, , .		0
22	Atomization of impinging opposed water jets interacting with an air jet. Experimental Thermal and Fluid Science, 2018, 93, 11-22.	2.7	15
23	Optical Diagnostics Investigation into the Effect of Pilot Injection Dwell Time and Injection Pressure on Combustion Characteristics and Soot Emissions in a Single-Cylinder Optical Diesel Engine. Journal of Energy Engineering - ASCE, 2018, 144, 04018056.	1.9	4
24	Laser ignition and flame characteristics of pulsed methane jets in homogeneous isotropic turbulence without mean flow. Proceedings of the Combustion Institute, 2017, 36, 1653-1660.	3.9	5
25	Experimental and Numerical Study of Chemiluminescence Characteristics in Premixed Counterflow Flames of Methane based Fuel blends. , 2017, , .		2
26	Collisions of droplets on spherical particles. Physics of Fluids, 2017, 29, .	4.0	61
27	Evaluation of the topological characteristics of the turbulent flow in a "box of turbulence"™ through 2D time-resolved particle image velocimetry. Experiments in Fluids, 2017, 58, 1.	2.4	6
28	How do liquid fuel physical properties affect liquid jet development in atomisers?. Physics of Fluids, 2016, 28, .	4.0	23
29	Comparative measurement of the breakup length of liquid jets in airblast atomisers using optical connectivity, electrical connectivity and shadowgraphy. Measurement: Journal of the International Measurement Confederation, 2016, 89, 288-299.	5.0	30
30	Application of Proper Orthogonal Decomposition to the morphological analysis of confined co-axial jets of immiscible liquids with comparable densities. Physics of Fluids, 2014, 26, .	4.0	18
31	Simultaneous droplet and vapour-phase measurements in an evaporative spray by combined ILIDS and PLIF techniques. Experiments in Fluids, 2014, 55, 1.	2.4	22
32	Preferential concentration of poly-dispersed droplets in stationary isotropic turbulence. Experiments in Fluids, 2013, 54, 1.	2.4	22
33	Local curvature measurements of a lean, partially premixed swirl-stabilised flame. Experiments in Fluids, 2012, 52, 963-983.	2.4	32
34	Simultaneous planar measurement of droplet velocity and size with gas phase velocities in a spray by combined ILIDS and PIV techniques. Experiments in Fluids, 2010, 49, 417-434.	2.4	90
35	Effect of fuel type on equivalence ratio measurements using chemiluminescence in premixed flames. Comptes Rendus - Mecanique, 2010, 338, 241-254.	2.1	75
36	Structure of the Continuous Liquid Jet Core during Coaxial Air-Blast Atomisation. International Journal of Spray and Combustion Dynamics, 2009, 1, 389-415.	1.0	25

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37	Quantitative Measurement of Planar Droplet Sauter Mean Diameter in Sprays using Planar Droplet Sizing. Particle and Particle Systems Characterization, 2003, 20, 209-218.	2.3	52
38	Simultaneous Laser-Induced Fluorescence and Mie Scattering for Droplet Cluster Measurements. AIAA Journal, 2003, 41, 2170-2178.	2.6	25
39	A METHOD TO ESTIMATE GAS-DROPLET VELOCITY CROSS-CORRELATIONS IN SPRAYS. Atomization and Sprays, 2003, 13, 23.	0.8	3
40	Spatial distribution of fluorescence intensity within large droplets and its dependence on dye concentration. Applied Optics, 2001, 40, 3586.	2.1	38
41	Phase Doppler Anemometer for Measurements of Deterministic Spray Unsteadiness. Particle and Particle Systems Characterization, 2001, 18, 205-215.	2.3	16
42	Injector Fouling and Its Impact on Engine Emissions and Spray Characteristics in Gasoline Direct Injection Engines. SAE International Journal of Fuels and Lubricants, 0, 10, 287-295.	0.2	37
43	Investigation of the effects of fluid properties representation and boundary condition selection in numerical simulations of micro scale flows with phase change. , 0, , .		0
44	Influence of droplet clustering in sprays on liquid deposition rate on spherical targets. , 0, , .		0
45	Effect of liquid viscosity on the aerodynamic breakup of non-spherical droplets. , 0, , .		0