

Vinicio Magi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8006329/vinicio-magi-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

574
citations

15
h-index

22
g-index

50
ext. papers

642
ext. citations

4.4
avg, IF

4.04
L-index

#	Paper	IF	Citations
48	A numerical investigation on the laminar flame speed of methane/air and iso-octane/air mixtures with ozone addition. <i>Combustion and Flame</i> , 2022 , 241, 112145	5.3	0
47	A Comprehensive Numerical Analysis of the Scavenging Process in a Uniflow Two-Stroke Diesel Engine for General Aviation. <i>Energies</i> , 2021 , 14, 7361	3.1	1
46	On Direct Injection of Supercritical Water into Spark Ignition Engines as a Strategy for Heat Recovery. <i>Energy Technology</i> , 2021 , 9, 2100198	3.5	0
45	High-speed turbulent gas jets: an LES investigation of Mach and Reynolds number effects on the velocity decay and spreading rate. <i>Flow, Turbulence and Combustion</i> , 2021 , 107, 519-550	2.5	3
44	Liquid-Cooling System of an Aircraft Compression Ignition Engine: A CFD Analysis. <i>Fluids</i> , 2020 , 5, 71	1.6	1
43	On the Turbulence-Chemistry Interaction of an HCCI Combustion Engine. <i>Energies</i> , 2020 , 13, 5876	3.1	3
42	Lattice-Boltzmann simulations of flow past stationary particles in a channel. <i>Numerical Heat Transfer; Part A: Applications</i> , 2019 , 76, 281-300	2.3	3
41	Dynamic analysis of HVAC for industrial plants with different airflow control systems. <i>Thermal Science and Engineering Progress</i> , 2018 , 6, 330-345	3.6	2
40	Modeling Soot Formation in Turbulent Jet Flames at Atmospheric and High-Pressure Conditions. <i>Energy & Fuels</i> , 2018 , 32, 8857-8867	4.1	6
39	Turbulent Flame Speed Dependencies in Lean Methane-Air Mixtures under Engine Relevant Conditions. <i>Combustion and Flame</i> , 2017 , 180, 53-62	5.3	24
38	Dataset of working conditions and thermo-economic performances for hybrid organic Rankine plants fed by solar and low-grade energy sources. <i>Data in Brief</i> , 2016 , 7, 648-53	1.2	4
37	How does a high density ratio affect the near- and intermediate-field of high-Re hydrogen jets?. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 15007-15025	6.7	16
36	A genetic optimization of a hybrid organic Rankine plant for solar and low-grade energy sources. <i>Energy</i> , 2015 , 91, 807-815	7.9	23
35	An evaluation of the assumptions of the flamelet model for diesel combustion modeling. <i>Chemical Engineering Science</i> , 2015 , 138, 403-413	4.4	2
34	Dynamic Adaptive Chemistry applied to homogeneous and partially stratified charge CI ethanol engines. <i>Applied Energy</i> , 2014 , 113, 848-863	10.7	13
33	On laminar flame speed correlations for H ₂ /CO combustion in premixed spark ignition engines. <i>Applied Energy</i> , 2014 , 130, 166-180	10.7	13
32	Large eddy simulation of high-density ratio hydrogen jets 2013 ,		1

31	On the simplification of kinetic reaction mechanisms of air-ethanol under high pressure conditions. <i>Fuel</i> , 2013 , 104, 488-499	7.1	5
30	A Numerical Analysis of Hydrogen Underexpanded Jets Under Real Gas Assumption. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2013 , 135,	2.1	31
29	A comprehensive investigation on the emissions of ethanol HCCI engines. <i>Applied Energy</i> , 2012 , 93, 277-287		52
28	A Numerical Analysis of Hydrogen Underexpanded Jets 2012 ,		2
27	Numerical Simulations of an Ethanol Partially Stratified Charge CI Engine With Adaptively Reduced Kinetic Mechanisms 2012 ,		1
26	Preliminary design of a hypersonic air-breathing vehicle 2011 ,		4
25	An Investigation on the Performance of Partially Stratified Charge CI Ethanol Engines 2011 ,		6
24	Enhancing the Performance of a Parallel Solver for Turbulent Reacting Flow Simulations. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2011 , 59, 169-189	1.3	5
23	Some numerical considerations in the simulation of low-Ma number hydrogen/air mixing layers. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 12936-12944	6.7	1
22	Multidimensional Simulation of Ethanol HCCI Engines 2009 ,		7
21	A Computational Investigation of the Interaction of Pulses in Two-Pulse Jets. <i>Numerical Heat Transfer; Part A: Applications</i> , 2008 , 54, 999-1021	2.3	8
20	A Study of Flame-Vortex Interactions in the Presence of Residual Gases. <i>Combustion Science and Technology</i> , 2008 , 180, 1395-1420	1.5	2
19	Fuel-Air Mixing Characteristics of DI Hydrogen Jets. <i>SAE International Journal of Engines</i> , 2008 , 1, 693-712	2.4	10
18	Wall Interactions of Hydrogen Flames Compared with Hydrocarbon Flames 2007 ,		5
17	A numerical study of thermal and chemical effects in interactions of n-heptane flames with a single surface. <i>Combustion and Flame</i> , 2007 , 148, 127-147	5.3	8
16	Large-eddy simulation in the near-field of a transient multi-component gas jet with density gradients. <i>Computers and Fluids</i> , 2007 , 36, 1609-1620	2.8	35
15	Interactions of hydrogen flames with walls: Influence of wall temperature, pressure, equivalence ratio, and diluents. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 2094-2104	6.7	20
14	Transient deformation and drag of decelerating drops in axisymmetric flows. <i>Physics of Fluids</i> , 2007 , 19, 113301	4.4	27

13	Petrov Galerkin finite element stabilization for two-phase flows. <i>International Journal for Numerical Methods in Fluids</i> , 2006 , 51, 1117-1129	1.9	
12	Hybrid Compressible-Incompressible Numerical Method for Transient Drop-Gas Flows. <i>AIAA Journal</i> , 2005 , 43, 1974-1983	2.1	7
11	A 2-D investigation of n-heptane autoignition by means of direct numerical simulation. <i>Combustion and Flame</i> , 2004 , 137, 432-443	5.3	53
10	A Comparison of Mixing-Controlled and Flamelet Models for Diesel Combustion 2002 ,		2
9	Exploring injected droplet size effects on steady liquid penetration in a Diesel spray with a two-fluid model. <i>International Journal of Heat and Mass Transfer</i> , 2002 , 45, 519-531	4.9	30
8	THE k- ϵ MODEL AND COMPUTED SPREADING RATES IN ROUND AND PLANE JETS. <i>Numerical Heat Transfer; Part A: Applications</i> , 2001 , 40, 317-334	2.3	22
7	Streamtube model for analysis of vertical axis variable pitch turbine for marine currents energy conversion. <i>Energy Conversion and Management</i> , 2000 , 41, 1811-1827	10.6	33
6	Entrainment Characteristics of Sprays for Diesel and DISI Applications 1998 ,		3
5	APPLICATION OF THE DISCRETE ORDINATES METHOD TO COMPUTE RADIANT HEAT LOSS IN A DIESEL ENGINE. <i>Numerical Heat Transfer; Part A: Applications</i> , 1997 , 31, 597-610	2.3	30
4	Exploring Velocity and Density Ratio Effects in a Mixing Layer Using DNS. <i>International Journal of Computational Fluid Dynamics</i> , 1997 , 8, 147-151	1.2	20
3	Modeling Radiant Heat Loss Characteristics in a Diesel Engine 1997 ,		10
2	Computations of Transient Jets: RNG k- ϵ Model Versus Standard k- ϵ Model 1997 ,		18
1	An implicit Lambda method for 2-D viscous compressible flows 1995 , 259-264		2