

# Daniele Ricci

## List of Publications by Year in descending order

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37  
papers

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citations

1039406

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h-index

996533

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g-index

37  
all docs

37  
docs citations

37  
times ranked

458  
citing authors

#	ARTICLE	IF	CITATIONS
1	A numerical study of nanofluid forced convection in ribbed channels. Applied Thermal Engineering, 2012, 37, 280-292.	3.0	219
2	Numerical study of a confined slot impinging jet with nanofluids. Nanoscale Research Letters, 2011, 6, 188.	3.1	104
3	Forced convection enhancement in channels with transversal ribs and nanofluids. Applied Thermal Engineering, 2016, 98, 1044-1053.	3.0	60
4	Thermal and fluid dynamic behaviors of confined laminar impinging slot jets with nanofluids. International Communications in Heat and Mass Transfer, 2016, 70, 15-26.	2.9	59
5	Numerical investigation of air forced convection in channels with differently shaped transverse ribs. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 618-639.	1.6	28
6	Numerical Analysis of Water Forced Convection in Channels with Differently Shaped Transverse Ribs. Journal of Applied Mathematics, 2011, 2011, 1-25.	0.4	20
7	Experimental and numerical investigation on the behaviour of methane in supercritical conditions. Applied Thermal Engineering, 2016, 107, 1334-1353.	3.0	20
8	Numerical Study of Laminar Confined Impinging Slot Jets with Nanofluids. Advances in Mechanical Engineering, 2012, 4, 248795.	0.8	12
9	Numerical Investigation on Mixed Convection in Triangular Cross-Section Ducts with Nanofluids. Advances in Mechanical Engineering, 2012, 4, 139370.	0.8	10
10	Transcritical Behavior of Methane in the Cooling Jacket of a Liquid-Oxygen/Liquid-Methane Rocket-Engine Demonstrator. Energies, 2022, 15, 4190.	1.6	9
11	Numerical Study of Transient Natural Convection in Air in Vertical Divergent Channels. Numerical Heat Transfer; Part A: Applications, 2011, 60, 580-603.	1.2	7
12	A Numerical Analysis on Nanofluid Mixed Convection in Triangular Cross-Sectioned Ducts Heated by a Uniform Heat Flux. Advances in Mechanical Engineering, 2015, 7, 292973.	0.8	6
13	Numerical Investigation on the Thermal Behaviour of a LOx/LCH4 Demonstrator Cooling System. Aerospace, 2021, 8, 151.	1.1	6
14	NUMERICAL STUDY OF AIR FORCED CONVECTION IN A CHANNEL PROVIDED WITH INCLINED RIBS. Frontiers in Heat and Mass Transfer, 2011, 2, .	0.1	6
15	Thermo-Structural and Thermo-Fluid Dynamics Analyses Supporting the Design of the Cooling System of a Methane Liquid Rocket Engine. , 2014, , .		5
16	Methane Transcritical Behavior in the Cooling System of the HYPROB-BREAD LOX/LCH4 Demonstrator Rocket Engine. , 2015, , .		4
17	Development of a Liquid Rocket Ground Demonstrator Through Thermal Analyses. Heat Transfer Engineering, 2020, 41, 1100-1116.	1.2	4
18	Cooling Channel Analysis of a LOX/LCH4 Rocket Engine Demonstrator. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	Numerical Model for Multilayer Thin Films Irradiated by a Moving Laser Source. Defect and Diffusion Forum, 2009, 283-286, 352-357.	0.4	1
20	A Two-Dimensional Numerical Investigation on Forced Convection in Channels With Transversal Ribs. , 2009, , .		1
21	Numerical Investigation on Transient Conjugate Optical-Thermal Fields in Thin Films Irradiated by Moving Sources for Front Treatments. Defect and Diffusion Forum, 0, 297-301, 1439-1444.	0.4	1
22	Experimental Investigation on the Transcritical Behaviour of Methane and Numerical Rebuilding Activity in the Frame of the HYPROB-BREAD Project. , 2015, , .		1
23	Nanofluid Impinging Jets in Porous Media. , 2016, 7, 84-113.		1
24	Numerical Investigation of Air Forced Convection in Channels With Transverse Ribs. , 2008, , .		0
25	Numerical Study of Air Forced Convection in a Rectangular Channel Provided With Ribs. , 2010, , .		0
26	A Numerical Investigation on Nanofluids Forced Convection in Channels With Transverse Ribs. , 2010, , .		0
27	Numerical Simulation of Transient Temperature Fields in Solids Irradiated by Moving Gaussian and Donut Sources. Defect and Diffusion Forum, 0, 312-315, 959-964.	0.4	0
28	Numerical Investigation on Nanofluid Mixed Convection in Triangular Ducts Heated by a Uniform Heat Flux. , 2012, , .		0
29	Enhancement of Forced Convection in Ribbed Channels by Nanofluids. , 2012, , .		0
30	A Numerical Investigation on Nanofluid Laminar Mixed Convection in Confined Impinging Jets. , 2013, , .		0
31	Numerical Analysis on Nanofluid Mixed Convection in Triangular Ducts Heated by a Constant Heat Flux. , 2013, , .		0
32	Thermostuctural Analyses Supporting the Design of the HYPROB Heat Sink Subscale Breadboard. , 2014, , .		0
33	Effects of High Reynolds Number Impinging Jet on the Heat Conduction in Work-Pieces Irradiated by a Moving Heat Source. Defect and Diffusion Forum, 0, 354, 189-194.	0.4	0
34	Numerical investigation of natural convection of air in vertical divergent channels. WIT Transactions on Engineering Sciences, 2008, , .	0.0	0
35	Numerical Analysis on the Effects of Transversal Ribs on Forced Convection in Channels. , 2009, , .		0
36	Numerical Investigation on the Effect of Transversal Septa on Forced Convection in Circular Tubes. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
37	Thermal analyses supporting the development of a liquid rocket engine. International Journal of Heat and Technology, 2016, 34, S403-S412.	0.3	0