

# Markus Kuhn

## List of Publications by Year in descending order

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26  
papers

323  
citations

1478505

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1720034

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docs citations

26  
times ranked

146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Process Optimization of Ceramic Matrix Composites for Ultrasonically Absorptive TPS Material. , 2018, , .		1
2	Towards Impedance Characterization of Carbon-Carbon Ultrasonically Absorptive Coatings via the Inverse Helmholtz Problem. , 2017, , .		2
3	Liquid Rocket Engine Concept for SMILE Launcher. , 2017, , .		0
4	Achievements obtained within ATLAS-II on Aero-Thermal Loaded Material Investigations for High-Speed Vehicles. , 2017, , .		8
5	Ceramic Strut Injection Technologies for High-Speed Flight. , 2017, , .		6
6	Innovative European Launcher Concept SMILE. , 2017, , .		1
7	Porous Versus Porthole Fuel Injection in a Radical Farming Scramjet: Numerical Analysis. Journal of Propulsion and Power, 2015, 31, 789-804.	2.2	10
8	Passive Hypersonic Boundary Layer Transition Control Using an Ultrasonically Absorptive Coating With Random Microstructure: Computational Analysis Based on the Ultrasonic Absorption Properties of Carbon-Carbon. Procedia IUTAM, 2015, 14, 413-422.	1.2	14
9	Lifetime Testing of a CMC TPS under Vibration Load. , 2015, , .		2
10	The Potential of Ultrasonically Absorptive TPS Materials for Hypersonic Vehicles. , 2015, , .		10
11	Combustor Materials Research Studies for High Speed Aircraft in the European Program ATLAS2. , 2015, , .		9
12	Combustor and Material Integration for high speed aircraft in the European research Program ATLAS2. , 2014, , .		6
13	Ultrasonic absorption characteristics of porous carbon-carbon ceramics with random microstructure for passive hypersonic boundary layer transition control. Experiments in Fluids, 2014, 55, 1.	2.4	29
14	Experiments on passive hypersonic boundary layer control using ultrasonically absorptive carbon-carbon material with random microstructure. Experiments in Fluids, 2013, 54, 1.	2.4	74
15	H2-O2 Porous Fuel Injection in a Radical Farming Scramjet. , 2012, , .		2
16	Experimental investigation of hypersonic boundary-layer stabilization on a cone by means of ultrasonically absorptive carbon-carbon material. , 2012, , .		3
17	Investigations on the thermal behaviour of CMC-based leading edges in hypersonic arc jet flows. CEAS Space Journal, 2012, 3, 61-76.	2.3	2
18	COMPARISON OF TWO PERMEATION TEST BENCHES AND TWO DETERMINATION METHODS FOR DARCY'S AND FORCHHEIMER'S PERMEABILITIES. Journal of Porous Media, 2012, 15, 705-720.	1.9	19

#	ARTICLE	IF	CITATIONS
19	Transpiration Cooling Tests of Porous CMC in Hypersonic Flow. , 2011, , .		39
20	Benchmark of Experimental Determination methods of Gas Permeabilities.. , 2011, , .		1
21	Heat Balance of a Transpiration-Cooled Heat Shield. Journal of Thermophysics and Heat Transfer, 2010, 24, 581-588.	1.6	37
22	Transpiration Cooling with Supersonic Flows and Foreign Gas Injection. , 2010, , .		12
23	Experimental Investigation of Cooling Techniques and Materials for Highspeed Flight Propulsion Systems. , 2009, , .		16
24	Technological Aspects of Transpiration Cooled Composite Structures for Thrust Chamber Applications. , 2009, , .		18
25	Heat Balance of a Transpiration-Cooled Heat Shield. , 2009, , .		2
26	Studies on Caret Wings at Superorbital Speeds. , 2003, , .		0