

Markus Kuhn

List of Publications by Year in descending order

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26
papers

323
citations

1478505

6
h-index

1720034

7
g-index

26
all docs

26
docs citations

26
times ranked

146
citing authors

#	ARTICLE	IF	CITATIONS
1	Experiments on passive hypersonic boundary layer control using ultrasonically absorptive carbon-carbon material with random microstructure. <i>Experiments in Fluids</i> , 2013, 54, 1.	2.4	74
2	Transpiration Cooling Tests of Porous CMC in Hypersonic Flow. , 2011, , .		39
3	Heat Balance of a Transpiration-Cooled Heat Shield. <i>Journal of Thermophysics and Heat Transfer</i> , 2010, 24, 581-588.	1.6	37
4	Ultrasonic absorption characteristics of porous carbon-carbon ceramics with random microstructure for passive hypersonic boundary layer transition control. <i>Experiments in Fluids</i> , 2014, 55, 1.	2.4	29
5	COMPARISON OF TWO PERMEATION TEST BENCHES AND TWO DETERMINATION METHODS FOR DARCY'S AND FORCHHEIMER'S PERMEABILITIES. <i>Journal of Porous Media</i> , 2012, 15, 705-720.	1.9	19
6	Technological Aspects of Transpiration Cooled Composite Structures for Thrust Chamber Applications. , 2009, , .		18
7	Experimental Investigation of Cooling Techniques and Materials for Highspeed Flight Propulsion Systems. , 2009, , .		16
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. <i>Procedia IUTAM</i> , 2015, 14, 413-422.	1.2	14
9	Transpiration Cooling with Supersonic Flows and Foreign Gas Injection. , 2010, , .		12
10	Porous Versus Porthole Fuel Injection in a Radical Farming Scramjet: Numerical Analysis. <i>Journal of Propulsion and Power</i> , 2015, 31, 789-804.	2.2	10
11	The Potential of Ultrasonically Absorptive TPS Materials for Hypersonic Vehicles. , 2015, , .		10
12	Combustor Materials Research Studies for High Speed Aircraft in the European Program ATLLAS2. , 2015, , .		9
13	Achievements obtained within ATLLAS-II on Aero-Thermal Loaded Material Investigations for High-Speed Vehicles. , 2017, , .		8
14	Combustor and Material Integration for high speed aircraft in the European research Program ATLLAS2. , 2014, , .		6
15	Ceramic Strut Injection Technologies for High-Speed Flight. , 2017, , .		6
16	Experimental investigation of hypersonic boundary-layer stabilization on a cone by means of ultrasonically absorptive carbon-carbon material. , 2012, , .		3
17	Heat Balance of a Transpiration-Cooled Heat Shield. , 2009, , .		2
18	H2-O2 Porous Fuel Injection in a Radical Farming Scramjet. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
19	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
20	Lifetime Testing of a CMC TPS under Vibration Load. , 2015, , .		2
21	Towards Impedance Characterization of Carbon-Carbon Ultrasonically Absorptive Coatings via the Inverse Helmholtz Problem. , 2017, , .		2
22	Benchmark of Experimental Determination methods of Gas Permeabilities.. , 2011, , .		1
23	Innovative European Launcher Concept SMILE. , 2017, , .		1
24	Process Optimization of Ceramic Matrix Composites for Ultrasonically Absorptive TPS Material. , 2018, , .		1
25	Studies on Caret Wings at Superorbital Speeds. , 2003, , .		0
26	Liquid Rocket Engine Concept for SMILE Launcher. , 2017, , .		0