Ikhyun Kim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12077319/publications.pdf

Version: 2024-02-01

15	189	1040056	1058476
papers	citations	9	14
		h-index	g-index

15	15	15	77
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytic recombination assessment on carbon in dissociated shock tube flow. Acta Astronautica, 2021, 181, 52-60.	3.2	11
2	Effect of shock-heated flow on morphological and structural properties of anatase TiO2 nanoparticles. Materials Letters, 2021, 294, 129793.	2.6	5
3	Analysis of wall partial pressure-dependence on oxygen surface catalytic recombination with shock-heated flow. Case Studies in Thermal Engineering, 2021, 28, 101600.	5.7	7
4	Effect of titanium surface roughness on oxygen catalytic recombination in a shock tube. Acta Astronautica, 2020, 166, 260-269.	3.2	27
5	Thermochemical nonequilibrium flow analysis in low enthalpy shock-tunnel facility. PLoS ONE, 2020, 15, e0240300.	2.5	9
6	Analysis of nitrogen recombination activity on silicon dioxide with stagnation heat-transfer. Acta Astronautica, 2020, 177, 386-397.	3.2	15
7	Experimental investigation of the effects of leading edge bluntness on supersonic flow over a double compression ramp. Journal of Mechanical Science and Technology, 2020, 34, 4193-4199.	1.5	3
8	Evaluation of blunt body velocity gradient at the shock tube end-wall. Acta Astronautica, 2020, 170, 570-576.	3.2	14
9	Experimental and numerical study of oxygen catalytic recombination of SiC-coated material. International Journal of Heat and Mass Transfer, 2019, 143, 118510.	4.8	25
10	Experimental study of surface roughness effect on oxygen catalytic recombination. International Journal of Heat and Mass Transfer, 2019, 138, 916-922.	4.8	31
11	Experimental study of oxygen catalytic recombination on a smooth surface in a shock tube. Applied Thermal Engineering, 2019, 156, 678-691.	6.0	18
12	Overview of Flow Diagnosis in a Shock Tunnel. International Journal of Aeronautical and Space Sciences, 2017, 18, 425-435.	2.0	18
13	Test Research Using an IR Thermography Technique in a Supersonic Wind Tunnel. Journal of the Korean Society for Aeronautical & Space Sciences, 2016, 44, 99-107.	0.1	1
14	Distortion Correction of Surface Temperature Measurement Using an Infrared Camera. Journal of the Korean Society for Aeronautical & Space Sciences, 2016, 44, 545-551.	0.1	5
15	Experimental investigation of surface roughness effect on a free-flight sphere in a Ludwieg tube. Journal of Mechanical Science and Technology, 0, , .	1.5	0