

Ikhyun Kim

List of Publications by Year in descending order

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15
papers

189
citations

1040056

9
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

77
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of surface roughness effect on oxygen catalytic recombination. International Journal of Heat and Mass Transfer, 2019, 138, 916-922.	4.8	31
2	Effect of titanium surface roughness on oxygen catalytic recombination in a shock tube. Acta Astronautica, 2020, 166, 260-269.	3.2	27
3	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
4	Experimental study of oxygen catalytic recombination on a smooth surface in a shock tube. Applied Thermal Engineering, 2019, 156, 678-691.	6.0	18
5	Overview of Flow Diagnosis in a Shock Tunnel. International Journal of Aeronautical and Space Sciences, 2017, 18, 425-435.	2.0	18
6	Analysis of nitrogen recombination activity on silicon dioxide with stagnation heat-transfer. Acta Astronautica, 2020, 177, 386-397.	3.2	15
7	Evaluation of blunt body velocity gradient at the shock tube end-wall. Acta Astronautica, 2020, 170, 570-576.	3.2	14
8	Catalytic recombination assessment on carbon in dissociated shock tube flow. Acta Astronautica, 2021, 181, 52-60.	3.2	11
9	Thermochemical nonequilibrium flow analysis in low enthalpy shock-tunnel facility. PLoS ONE, 2020, 15, e0240300.	2.5	9
10	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
11	Effect of shock-heated flow on morphological and structural properties of anatase TiO ₂ nanoparticles. Materials Letters, 2021, 294, 129793.	2.6	5
12	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
13	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
14	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
15	Experimental investigation of surface roughness effect on a free-flight sphere in a Ludwig tube. Journal of Mechanical Science and Technology, 0, , .	1.5	0