Qiu Wang

List of Publications by Year
in descending order

19 papers	117 citations	1478505 6 h-index	1281871 11 g-index
19 all docs	19 docs citations	19 times ranked	79 citing authors

#	Article	IF	Citations
1	Advances in plasma-assisted ignition and combustion for combustors of aerospace engines. Aerospace Science and Technology, 2021, 117, 106952.	4.8	32
2	Potential Agricultural and Biomedical Applications of Cold Atmospheric Plasma-Activated Liquids With Self-Organized Patterns Formed at the Interface. IEEE Transactions on Plasma Science, 2020, 48, 3455-3471.	1.3	19
3	Comparative study on aerodynamic heating under perfect and nonequilibrium hypersonic flows. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	15
4	Influence of test model material on the accuracy of transient heat transfer measurements in impulse facilities. Experimental Thermal and Fluid Science, 2019, 104, 59-66.	2.7	8
5	Construction of bi-layer biluminophore fast-responding pressure sensitive coating for non-contact unsteady aerodynamic testing. Polymer Testing, 2019, 77, 105922.	4.8	6
6	Numerical modeling of a high-enthalpy shock tunnel driven by gaseous detonation. Aerospace Science and Technology, 2020, 104, 105958.	4.8	6
7	Numerical and experimental study on high-speed hydrogenâ€“oxygen combustion gas flow and aerodynamic heating characteristics. Physics of Fluids, 2021, 33, 076103.	4.0	6
8	Highly sensitive AIE-based mechanoresponsive luminescent polymer coatings for surface pressure imaging. Chemical Engineering Journal, 2022, 431, 133449.	12.7	6
9	Fast-response oxygen sensitive transparent coating for inner pressure ratiometric optical mapping. Journal of Materials Chemistry C, 2021, 9, 3919-3927.	5.5	4
10	Influence of Thermal Sensor Installation on Measuring Accuracy at Stagnation Points. Journal of Thermophysics and Heat Transfer, 2017, 31, 318-323.	1.6	3
11	Coaxial Thermocouples for Heat Transfer Measurements in Long-Duration High Enthalpy Flows. Sensors, 2020, 20, 5254.	3.8	3
12	Cold Atmospheric Plasma for Cancer Treatment: Molecular and Immunological Mechanisms. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 916-927.	3.7	3
13	Characterization of reflected shock tunnel air conditions using a simple method. Physics of Fluids, 2022, 34, .	4.0	3
14	A Fast-Response Calorimeter with Dynamic Corrections for Transient Heat Transfer Measurements. Applied Sciences (Switzerland), 2020, 10, 6143.	2.5	1
15	Effects of Cowl-Induced Expansion on the Wave Complex Induced by Oblique Detonation Wave Reflection. Processes, 2021, 9, 1215.	2.8	1
16	Numerical and Experimental Study on the Duration of Nozzle Starting of the Reflected High-Enthalpy Shock Tunnel. Applied Sciences (Switzerland), 2022, 12, 2845.	2.5	1
17	Performance of Copper Calorimeter for Heat Transfer Measurement in High Enthalpy Shock Tunnel. Journal of Thermal Science, 2018, 27, 373-381.	1.9	0
18	Evolution of heat transfer at the stagnation point during the detached bow shock establishment. Shock Waves, 2021, 31, 133-140.	1.9	0

#	Article	IF	Citations
19	Special Issue on â€œAdvances in Plasma Diagnostics and Applicationsâ€• Processes, 2022, 10, 654.	2.8	0