

Hans Hornung

List of Publications by Year in descending order

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17
papers

939
citations

758635

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996533

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docs citations

18
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Shock detachment and drag in hypersonic flow over wedges and circular cylinders. Journal of Fluid Mechanics, 2021, 915, .	1.4	3
2	Unsteadiness boundaries in supersonic flow over double cones. Journal of Fluid Mechanics, 2021, 916, .	1.4	12
3	Hypersonic flow over spherically blunted cone capsules for atmospheric entry. Part 1. The sharp cone and the sphere. Journal of Fluid Mechanics, 2019, 871, 1097-1116.	1.4	14
4	Non-equilibrium dissociating flow over spheres. Journal of Fluid Mechanics, 1995, 299, 389-405.	1.4	121
5	Transition from regular to Mach reflection of shock waves Part 1. The effect of viscosity in the pseudosteady case. Journal of Fluid Mechanics, 1982, 123, 143-153.	1.4	50
6	Transition from regular to Mach reflection of shock waves Part 2. The steady-flow criterion. Journal of Fluid Mechanics, 1982, 123, 155-164.	1.4	148
7	Shock detachment from cones in a relaxing gas. Journal of Fluid Mechanics, 1980, 101, 307-319.	1.4	9
8	The influence of relaxation on shock detachment. Journal of Fluid Mechanics, 1979, 93, 225.	1.4	64
9	Transition to Mach reflexion of shock waves in steady and pseudosteady flow with and without relaxation. Journal of Fluid Mechanics, 1979, 90, 541-560.	1.4	235
10	Stiffness corrections for the vibration frequency of a stretched wire. American Journal of Physics, 1977, 45, 991-993.	0.3	0
11	A stationary oblique breaking wave for laboratory testing of surfboards. Journal of Fluid Mechanics, 1976, 78, 459-480.	1.4	19
12	Non-equilibrium ideal-gas dissociation after a curved shock wave. Journal of Fluid Mechanics, 1976, 74, 143-159.	1.4	27
13	Interferometric measurements in ionizing radiating flow of carbon dioxide behind normal shock waves. Physics of Fluids, 1976, 19, 165.	1.4	0
14	Non-equilibrium dissociating nitrogen flow over a wedge. Journal of Fluid Mechanics, 1974, 64, 725-736.	1.4	21
15	Induction Time for Nitrogen Dissociation. Journal of Chemical Physics, 1972, 56, 3172-3173.	1.2	18
16	Non-equilibrium dissociating nitrogen flow over spheres and circular cylinders. Journal of Fluid Mechanics, 1972, 53, 149.	1.4	192
17	Some aspects of hypersonic flow over power law bodies. Journal of Fluid Mechanics, 1969, 39, 143-162.	1.4	6