

Kiyonobu Ohtani

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

536
citations

840776

11
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

584
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of Primary Blast-Induced Traumatic Brain Injury: Insights from Shock-Wave Research. <i>Journal of Neurotrauma</i> , 2011, 28, 1101-1119.	3.4	225
2	Initiation process and propagation mechanism of positive streamer discharge in water. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	69
3	Attenuation of shock waves propagating over arrayed baffle plates. <i>Shock Waves</i> , 2005, 14, 379-390.	1.9	32
4	HVI tests on CFRP laminates at low temperature. <i>International Journal of Impact Engineering</i> , 2008, 35, 1695-1701.	5.0	31
5	Spatiotemporal analysis of propagation mechanism of positive primary streamer in water. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	27
6	A study of hypervelocity impact on cryogenic materials. <i>International Journal of Impact Engineering</i> , 2006, 33, 555-565.	5.0	20
7	Experimental study of hypervelocity impacts at low temperatures. <i>Shock Waves</i> , 2008, 18, 169-183.	1.9	17
8	Jetting from cavitation bubbles due to multiple shockwaves. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	16
9	Experimental investigation of transonic and supersonic flow over a sphere for Reynolds numbers of $10^3 \leq 10^5$ by free-flight tests with schlieren visualization. <i>Shock Waves</i> , 2020, 30, 139-151.	1.9	16
10	Pressure Generation from Micro-Bubble Collapse at Shock Wave Loading. <i>Journal of Fluid Science and Technology</i> , 2010, 5, 235-246.	0.6	15
11	Experimental study of underwater rock drilling using a pulsed Ho:YAG laser-induced jets. <i>Shock Waves</i> , 2009, 19, 403-412.	1.9	13
12	Heat flux measurement over a cone in a shock tube flow. <i>Shock Waves</i> , 2007, 16, 275-285.	1.9	10
13	Fast propagation of an underwater secondary streamer by the appearance of a continuous component in the discharge current. <i>Europhysics Letters</i> , 2014, 105, 15003.	2.0	10
14	Propagation and branching process of negative streamers in water. <i>Journal of Applied Physics</i> , 2018, 124, 163301.	2.5	7
15	Bow-shock instability induced by Helmholtz resonator-like feedback in slipstream. <i>Physics of Fluids</i> , 2015, 27, 066103.	4.0	6
16	Comparison of blast mitigation performance between water layers and water droplets. <i>Shock Waves</i> , 2021, 31, 89-94.	1.9	6
17	Highly Temporal Visualization of Generation Process of Underwater Secondary Streamer From Developed Primary Streamer. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 2398-2399.	1.3	5
18	Observation of the Formation of Multiple Shock Waves at the Collapse of Cavitation Bubbles for Improvement of Energy Convergence. <i>Energies</i> , 2022, 15, 2305.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Experimental demonstration of bow-shock instability and its numerical analysis. Shock Waves, 2017, 27, 423-430.	1.9	2
20	Damage of twisted tape tethers on debris collision. International Journal of Impact Engineering, 2020, 137, 103440.	5.0	2
21	Numerical study on a blast mitigation mechanism by a water droplet layer: Validation with experimental results, and the effect of the layer radius. Physics of Fluids, 2022, 34, .	4.0	2
22	Critical Condition of Bow-Shock Instability Around Edged Blunt Body. , 2019, , 1087-1093.		0
23	Measurement of unsteady shock standoff distance around spheres flying at Mach numbers near one. Shock Waves, 2022, 32, 235-239.	1.9	0