

Noel T Clemens

List of Publications by Year in descending order

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26
papers

1,285
citations

933447

10
h-index

888059

17
g-index

26
all docs

26
docs citations

26
times ranked

538
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Frequency Unsteadiness of Shock Wave/Turbulent Boundary Layer Interactions. Annual Review of Fluid Mechanics, 2014, 46, 469-492.	25.0	554
2	Characterization of a High-Frequency Pulsed-Plasma Jet Actuator for Supersonic Flow Control. AIAA Journal, 2010, 48, 297-305.	2.6	185
3	Control of unsteadiness of a shock wave/turbulent boundary layer interaction by using a pulsed-plasma-jet actuator. Physics of Fluids, 2012, 24, .	4.0	153
4	The structure of fine-scale scalar mixing in gas-phase planar turbulent jets. Journal of Fluid Mechanics, 2003, 488, 1-29.	3.4	129
5	Characterization of a Direct-Current Glow Discharge Plasma Actuator in Low-Pressure Supersonic Flow. AIAA Journal, 2007, 45, 1596-1605.	2.6	51
6	Proper Orthogonal Decomposition Analysis of Swept-Ramp Shock-Wave/Boundary-Layer Unsteadiness at Mach 2. AIAA Journal, 2019, 57, 3395-3409.	2.6	28
7	Experimental Identification of Transient Dynamics for Supersonic Inlet Unstart. Journal of Propulsion and Power, 2014, 30, 1605-1612.	2.2	24
8	Effect of Upstream Boundary Layer on Unsteadiness of Swept-Ramp Shock/Boundary Layer Interactions at Mach 2. , 2016, , .		23
9	Closed-Loop Control of Shock-Train Location in a Combusting Scramjet. Journal of Propulsion and Power, 2018, 34, 660-667.	2.2	21
10	Role of Boundary-Layer on Unsteadiness on a Mach 2 Swept-Ramp Shock/Boundary-Layer Interaction Using 50 kHz PIV. , 2017, , .		15
11	Experimental Investigation of Unsteadiness of Swept-Ramp Shock/Boundary Layer Interactions at Mach 2. , 2015, , .		12
12	Coupling between premixed flame propagation and swirl flow during boundary layer flashback. Experiments in Fluids, 2018, 59, 1.	2.4	12
13	Method for acquiring pressure measurements in presence of plasma-induced interference for supersonic flow control applications. Measurement Science and Technology, 2011, 22, 125107.	2.6	10
14	Improved Large-Eddy Simulation Validation Methodology: Application to Supersonic Inlet/Isolator Flow. AIAA Journal, 2015, 53, 817-831.	2.6	10
15	POD Analysis of Unsteadiness Mechanisms within a Swept Compression-Ramp Shock-Wave Boundary-Layer Interaction at Mach 2. , 2018, , .		9
16	Unsteadiness Mechanisms of a Swept Compression-Ramp Shock / Boundary Layer Interaction at Mach 2. , 2019, , .		9
17	Physics of unsteady cylinder-induced shock-wave/transitional boundary-layer interactions. Journal of Fluid Mechanics, 2021, 918, .	3.4	9
18	Schlieren Imaging of Flow Actuation Produced by Direct-Current Surface Glow Discharge in Supersonic Flows. IEEE Transactions on Plasma Science, 2008, 36, 1316-1317.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Separated Flow Unsteadiness in a Mach 2 Swept Compression-Ramp Interaction Using High-Speed PSP. , 2019, , .		6
20	Effect of Pulsed Plasma Jets on Boundary Layer Recovery Downstream of a Reflected Shock Wave-Boundary Layer Interaction. , 2015, , .		4
21	Measurement of mixing-induced thermal non-equilibrium in a supersonic shear layer using spontaneous Raman scattering. Physics of Fluids, 2017, 29, 076101.	4.0	4
22	Investigation of Unsteadiness in a Mach 2 Swept-Ramp Shock/Boundary-Layer Interaction Using 50 kHz PIV. , 2016, , .		3
23	Closed-Loop Control of Isolator Shock Trains in a Mach 2.2 Direct-Connect Scramjet. , 2017, , .		3
24	Production and characterization of drug-loaded toroidal vortices from a novel ocular drug delivery device. Drug Delivery and Translational Research, 2018, 8, 1139-1151.	5.8	3
25	Editorial: Lisbon 2008 special issue. Experiments in Fluids, 2009, 47, 551-551.	2.4	1
26	Editorial: PIVâ€™09 special issue. Experiments in Fluids, 2011, 50, 775-775.	2.4	1