

Toshihiko Hiejima

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A high-order weighted compact nonlinear scheme for compressible flows. Computers and Fluids, 2022, 232, 105199.	1.3	8
2	Effects of fuel injection speed on supersonic combustion using separation-resistant struts. AIP Advances, 2021, 11, 065123.	0.6	6
3	On the rapid breakdown of supersonic streamwise vortices with opposite sign double annular vorticity. Acta Astronautica, 2020, 168, 220-229.	1.7	0
4	How the circulation and axial velocity deficit in Batchelor vortices affect their disturbance growth?. Physics of Fluids, 2020, 32, .	1.6	4
5	Helicity effects on inviscid instability in Batchelor vortices. Journal of Fluid Mechanics, 2020, 897, .	1.4	6
6	Development of linear unstable modes in supersonic streamwise vortices using a weighted compact nonlinear scheme. Computers and Fluids, 2020, 201, 104416.	1.3	3
7	Shockwave effects on supersonic combustion using hypermixer struts. Physics of Fluids, 2020, 32, .	1.6	33
8	Development of specific structures occurring from hyper-breakable vorticity. Physics of Fluids, 2019, 31, 071701.	1.6	2
9	Compressibility effects of supersonic Batchelor vortices. Physical Review Fluids, 2019, 4, .	1.0	8
10	Onset conditions for vortex breakdown in supersonic flows. Journal of Fluid Mechanics, 2018, 840, .	1.4	10
11	Effects of streamwise vortex breakdown on supersonic combustion. Physical Review E, 2016, 93, 043115.	0.8	21
12	Theoretical analysis of streamwise vortex circulation induced by a strut injector. Physical Review Fluids, 2016, 1, .	1.0	11
13	Criterion for vortex breakdown on shock wave and streamwise vortex interactions. Physical Review E, 2014, 89, 053017.	0.8	19