

Rayleigh–Taylor and Richtmyer–Meshkov instabilities II

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Late-time growth rate, mixing, and anisotropy in the multimode narrowband Richtmyer-Meshkov instability: The λ_1 -group collaboration. <i>Physics of Fluids</i> , 2017, 29, .	1.6	79
2	Density Ratio and Entrainment Effects on Asymptotic Rayleigh-Taylor Instability. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018, 140, .	0.8	11
3	Three-Dimensional Design Simulations of a High-Energy Density Reshock Experiment at the National Ignition Facility. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018, 140, .	0.8	3
4	Mach number effect on the instability of a planar interface subjected to a rippled shock. <i>Physical Review E</i> , 2018, 98, .	0.8	4
5	Collaboration and competition between Richtmyer-Meshkov instability and Rayleigh-Taylor instability. <i>Physics of Fluids</i> , 2018, 30, .	1.6	38
6	A localised dynamic closure model for Euler turbulence. <i>International Journal of Computational Fluid Dynamics</i> , 2018, 32, 326-378.	0.5	3
7	Buoyancy-Driven Flow through a Bed of Solid Particles Produces a New Form of Rayleigh-Taylor Turbulence. <i>Physical Review Letters</i> , 2018, 121, 224501.	2.9	9
8	New Closures for More Precise Modeling of Landau Damping in the Fluid Framework. <i>Physical Review Letters</i> , 2018, 121, 135101.	2.9	24
9	Multidimensional simulations of ultrastripped supernovae to shock breakout. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 3675-3689.	1.6	57
10	Quantitative Theory for the Growth Rate and Amplitude of the Compressible Richtmyer-Meshkov Instability at all Density Ratios. <i>Physical Review Letters</i> , 2018, 121, 174502.	2.9	28
11	Scaling laws for dynamical plasma phenomena. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	24
12	Control of triple-shock configurations in high-speed flows over a cylindrically blunted plate in gases for different Mach numbers. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2022, 236, 448-456.	0.7	3
13	Stratified Kelvin-Helmholtz turbulence of compressible shear flows. <i>Nonlinear Processes in Geophysics</i> , 2018, 25, 457-476.	0.6	6
14	Solution of the Noh problem with an arbitrary equation of state. <i>Physical Review E</i> , 2018, 98, 013105.	0.8	7
15	Turbulent mixing and transition criteria of flows induced by hydrodynamic instabilities. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	154
16	Rayleigh-Taylor instability experiments on the LULI2000 laser in scaled conditions for young supernova remnants. <i>Physical Review E</i> , 2019, 100, 021201.	0.8	20
17	Local estimates of Hölder exponents in turbulent vector fields. <i>Physical Review E</i> , 2019, 99, 053114.	0.8	8
18	$\langle \epsilon \rangle$ A posteriori tests of subgrid-scale models in strongly anisothermal turbulent flows. <i>Physics of Fluids</i> , 2019, 31, .	1.6	10

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19	Direct simulation Monte Carlo on petaflop supercomputers and beyond. <i>Physics of Fluids</i> , 2019, 31, .	1.6	163
20	Exploring the crossover between high-energy-density plasma and ultracold neutral plasma physics. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	26
21	Turbulent transport and mixing in the multimode narrowband Richtmyer-Meshkov instability. <i>Physics of Fluids</i> , 2019, 31, .	1.6	26
22	Three-dimensional simulations of turbulent mixing in spherical implosions. <i>Physics of Fluids</i> , 2019, 31, .	1.6	21
23	Extreme Hardening of Pb at High Pressure and Strain Rate. <i>Physical Review Letters</i> , 2019, 123, 205701.	2.9	31
24	Tantalum strength at extreme strain rates from impact-driven Richtmyer-Meshkov instabilities. <i>Physical Review E</i> , 2019, 100, 053002.	0.8	25
25	Direct numerical simulations of multi-mode immiscible Rayleigh-Taylor instability with high Reynolds numbers. <i>Physics of Fluids</i> , 2019, 31, .	1.6	35
26	Understanding Uniturbulence: Self-cascade of MHD Waves in the Presence of Inhomogeneities. <i>Astrophysical Journal</i> , 2019, 882, 50.	1.6	24
27	Time-dependent study of anisotropy in Rayleigh-Taylor instability induced turbulent flows with a variety of density ratios. <i>Physics of Fluids</i> , 2019, 31, .	1.6	41
28	Analytic solution for the zero-order postshock profiles when an incident planar shock hits a planar contact surface. <i>Physical Review E</i> , 2019, 100, 033107.	0.8	6
29	Numerical study of the Richtmyer-Meshkov instability induced by non-planar shock wave in non-uniform flows. <i>Journal of Turbulence</i> , 2019, , 1-25.	0.5	3
30	Coupling effect on shocked double-gas cylinder evolution. <i>Physics of Fluids</i> , 2019, 31, .	1.6	13
31	Robustness to hydrodynamic instabilities in indirectly driven layered capsule implosions. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	35
32	Multiple eigenmodes of the Rayleigh-Taylor instability observed for a fluid interface with smoothly varying density. II. Asymptotic solution and its interpretation. <i>Physical Review E</i> , 2019, 99, 013109.	0.8	9
33	Incompressible Homogeneous Buoyancy-Driven Turbulence. <i>ERCOFTAC Series</i> , 2019, , 113-124.	0.1	0
34	Finite-thickness effect of the fluids on bubbles and spikes in Richtmyer-Meshkov instability for arbitrary Atwood numbers. <i>Plasma Science and Technology</i> , 2019, 21, 025001.	0.7	1
35	Shock-driven hydrodynamic instability of a sinusoidally perturbed, high-Atwood number, oblique interface. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	11
36	Effects of the Atwood number on the Richtmyer-Meshkov instability in elastic-plastic media. <i>Physical Review E</i> , 2019, 99, 053102.	0.8	7

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38	On the role of rarefaction/compression waves in Richtmyer-Meshkov instability with reshock. <i>Physics of Fluids</i> , 2019, 31, .	1.6	43
39	Linear motion of multiple superposed viscous fluids. <i>Physical Review E</i> , 2019, 99, 043104.	0.8	3
40	<i>A posteriori</i> tests of subgrid-scale models in an isothermal turbulent channel flow. <i>Physics of Fluids</i> , 2019, 31, .	1.6	12
41	A Relaxation Filtering Approach for Two-Dimensional Rayleighâ€Taylor Instability-Induced Flows. <i>Fluids</i> , 2019, 4, 78.	0.8	7
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43	Exact, approximate, and hybrid treatments of viscous Rayleigh-Taylor and Richtmyer-Meshkov instabilities. <i>Physical Review E</i> , 2019, 99, 023112.	0.8	17
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45	The Evolution of Magnetic Rayleighâ€Taylor Unstable Plumes and Hybrid KH-RT Instability into a Loop-like Eruptive Prominence. <i>Astrophysical Journal</i> , 2019, 874, 57.	1.6	13
46	Two mode coupling of the ablative Rayleigh-Taylor instabilities. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	20
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48	Direct Monte Carlo simulation of development of the Richtmyer-Meshkov instability on the Ar/He interface. <i>Journal of Physics: Conference Series</i> , 2019, 1404, 012109.	0.3	2
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50	Improved Richtmyer-Meshkov Instability Experiments for Very-High-Rate Strength and Application to Tantalum. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 101-104.	0.3	0
51	Atwood number effects on the instability of a uniform interface driven by a perturbed shock wave. <i>Physical Review E</i> , 2019, 99, 013103.	0.8	9
52	Modeling of Rayleigh-Taylor mixing using single-fluid models. <i>Physical Review E</i> , 2019, 99, 013104.	0.8	30
53	Adaptive Wavelet-based Delayed Detached Eddy Simulations of Anisothermal Channel Flows with High Transverse Temperature Gradients. , 2019, , .		2
54	Laser-generated Richtmyerâ€Meshkov and Rayleighâ€Taylor instabilities in a semiconfined configuration: bubble dynamics in the central region of the Gaussian spot. <i>Physica Scripta</i> , 2019, 94, 015001.	1.2	10

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57	Self-similar solutions of asymmetric Rayleigh-Taylor mixing. <i>Physics of Fluids</i> , 2020, 32, 015103.	1.6	8
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62	The rate of development of atomic mixing and temperature equilibration in inertial confinement fusion implosions. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	17
63	Effects of transverse shock waves on early evolution of multi-mode chevron interface. <i>Physics of Fluids</i> , 2020, 32, .	1.6	16
64	Multimode Hydrodynamic Instability Growth of Preimposed Isolated Defects in Ablatively Driven Foils. <i>Physical Review Letters</i> , 2020, 125, 055001.	2.9	9
65	Isolated defect evolution in laser accelerated targets. <i>Physics of Plasmas</i> , 2020, 27, 072706.	0.7	6
66	Multiscale kinetic inviscid flux extracted from a gas-kinetic scheme for simulating incompressible and compressible flows. <i>Physical Review E</i> , 2020, 102, 033310.	0.8	8
67	Multi-mode hydrodynamic evolution of perturbations seeded by isolated surface defects. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	6
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74	Two-stage growth mode for lift-off mechanism in oblique shock-wave/jet interaction. <i>Physics of Fluids</i> , 2020, 32, .	1.6	19
75	Experimental and Numerical Investigation on Interfacial Mass Transfer Mechanism for Rayleigh Convection in Hele-Shaw Cell. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 10195-10209.	1.8	13
76	Use of hydrodynamic theory to estimate electrical current redistribution in metals. <i>Physics of Plasmas</i> , 2020, 27, 052703.	0.7	16
77	Viscous Rayleigh-Taylor and Richtmyer-Meshkov instabilities in the presence of a horizontal magnetic field. <i>Physical Review E</i> , 2020, 101, 053110.	0.8	8
78	Analysis of Rayleighâ€“Taylor instability at high Atwood numbers using fully implicit, non-dissipative, energy-conserving large eddy simulation algorithm. <i>Physics of Fluids</i> , 2020, 32, 054101.	1.6	19
79	Unified prediction of reshocked Richtmyerâ€“Meshkov mixing with K-L model. <i>Physics of Fluids</i> , 2020, 32, 032107.	1.6	24
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84	On the Nonlinear Growth of Multiphase Richtmyerâ€“Meshkov Instability in Dilute Gas-Particles Flow[*]. <i>Chinese Physics Letters</i> , 2020, 37, 015201.	1.3	5
85	S-N border instability, magnetic flux trapping and cumulative effect during pulsed S-N switching of high quality YBaCuO thin films. <i>Superconductor Science and Technology</i> , 2020, 33, 095013.	1.8	4
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87	Effect of the numerical discretization scheme in Shock-Driven turbulent mixing simulations. <i>Computers and Fluids</i> , 2020, 201, 104487.	1.3	12
88	Mixed mass of classical Rayleigh-Taylor mixing at arbitrary density ratios. <i>Physics of Fluids</i> , 2020, 32, .	1.6	21
89	Knudsen Number Effects on Two-Dimensional Rayleighâ€“Taylor Instability in Compressible Fluid: Based on a Discrete Boltzmann Method. <i>Entropy</i> , 2020, 22, 500.	1.1	20
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120	Immiscible Rayleigh-Taylor turbulence using mesoscopic lattice Boltzmann algorithms. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	6
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122	Effects of perturbing the particle volume fraction distribution in blast-driven multiphase instability. <i>Shock Waves</i> , 2021, 31, 337-360.	1.0	5
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124	Simulations of the shock-driven Kelvin–Helmholtz instability in inclined gas curtains. <i>Physics of Fluids</i> , 2021, 33, .	1.6	10
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126	Investigation of correlation between vorticity, Q , $\langle \mathbf{m} \cdot \mathbf{m} \rangle$ and $\langle \mathbf{m} \cdot \mathbf{m} \rangle$. <i>Physics of Plasmas</i> , 2021, 28, 060703.	1.3	16

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154	Fresnel zone plate development for x-ray radiography of hydrodynamic instabilities at the National Ignition Facility. <i>Applied Optics</i> , 2020, 59, 10777.	0.9	15
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156	Enhancement of Ablative Rayleigh-Taylor Instability Growth by Thermal Conduction Suppression in a Magnetic Field. <i>Physical Review Letters</i> , 2021, 127, 165001.	2.9	13
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158	Alfvén Number for the Richtmyer Meshkov Instability in Magnetized Plasmas. <i>Astrophysical Journal</i> , 2021, 920, 29.	1.6	3
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161	Impact of roughness on gas compression in inertial confinement fusion. <i>Journal of Physics: Conference Series</i> , 2020, 1686, 012025.	0.3	2
162	Unified prediction of turbulent mixing induced by interfacial instabilities via Besnard-Harlow-Rauenzahn-2 model. <i>Physics of Fluids</i> , 2021, 33, .	1.6	7
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