

Yu Liang

List of Publications by Year in descending order

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19
papers

390
citations

687363

13
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

123
citing authors

#	ARTICLE	IF	CITATIONS
1	An elaborate experiment on the single-mode Richtmyer–Meshkov instability. <i>Journal of Fluid Mechanics</i> , 2018, 853, .	3.4	58
2	Richtmyer–Meshkov instability on a quasi-single-mode interface. <i>Journal of Fluid Mechanics</i> , 2019, 872, 729-751.	3.4	40
3	Evolution of shock-accelerated heavy gas layer. <i>Journal of Fluid Mechanics</i> , 2020, 886, .	3.4	30
4	Interaction of planar shock wave with three-dimensional heavy cylindrical bubble. <i>Physics of Fluids</i> , 2018, 30, .	4.0	29
5	Effects of non-periodic portions of interface on Richtmyer–Meshkov instability. <i>Journal of Fluid Mechanics</i> , 2019, 861, 309-327.	3.4	24
6	On shock-induced heavy-fluid-layer evolution. <i>Journal of Fluid Mechanics</i> , 2021, 920, .	3.4	23
7	Interfacial instability at a heavy/light interface induced by rarefaction waves. <i>Journal of Fluid Mechanics</i> , 2020, 885, .	3.4	21
8	Interaction of a planar shock wave and a water droplet embedded with a vapour cavity. <i>Journal of Fluid Mechanics</i> , 2020, 885, .	3.4	21
9	Interaction of cylindrically converging diffracted shock with uniform interface. <i>Physics of Fluids</i> , 2017, 29, .	4.0	19
10	Interaction of rippled shock wave with flat fast-slow interface. <i>Physics of Fluids</i> , 2018, 30, .	4.0	19
11	Richtmyer–Meshkov instability on two-dimensional multi-mode interfaces. <i>Journal of Fluid Mechanics</i> , 2021, 928, .	3.4	18
12	On shock-induced light-fluid-layer evolution. <i>Journal of Fluid Mechanics</i> , 2022, 933, .	3.4	18
13	Shock-induced dual-layer evolution. <i>Journal of Fluid Mechanics</i> , 2021, 929, .	3.4	14
14	Interaction of strong converging shock wave with SF6 gas bubble. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	5.1	13
15	Universal perturbation growth of Richtmyer–Meshkov instability for minimum-surface featured interface induced by weak shock waves. <i>Physics of Fluids</i> , 2021, 33, .	4.0	12
16	The phase effect on the Richtmyer–Meshkov instability of a fluid layer. <i>Physics of Fluids</i> , 2022, 34, .	4.0	10
17	Richtmyer–Meshkov instability on a dual-mode interface. <i>Journal of Fluid Mechanics</i> , 2020, 905, .	3.4	9
18	On shock-induced evolution of a gas layer with two fast/slow interfaces. <i>Journal of Fluid Mechanics</i> , 2022, 939, .	3.4	7

#	ARTICLE	IF	CITATIONS
19	Numerical simulation of convergence effect on shock-bubble interactions. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 064701.	0.5	5