

Guillaume Riboux

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

975
citations

516710

16
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

768
citing authors

#	ARTICLE	IF	CITATIONS
1	Experiments of Drops Impacting a Smooth Solid Surface: A Model of the Critical Impact Speed for Drop Splashing. <i>Physical Review Letters</i> , 2014, 113, 024507.	7.8	183
2	Experimental characterization of the agitation generated by bubbles rising at high Reynolds number. <i>Journal of Fluid Mechanics</i> , 2010, 643, 509-539.	3.4	155
3	Phase diagram for droplet impact on superheated surfaces. <i>Journal of Fluid Mechanics</i> , 2015, 779, .	3.4	95
4	A theory on the spreading of impacting droplets. <i>Journal of Fluid Mechanics</i> , 2019, 866, 298-315.	3.4	69
5	A model of bubble-induced turbulence based on large-scale wake interactions. <i>Journal of Fluid Mechanics</i> , 2013, 719, 362-387.	3.4	56
6	The diameters and velocities of the droplets ejected after splashing. <i>Journal of Fluid Mechanics</i> , 2015, 772, 630-648.	3.4	55
7	Whipping instability characterization of an electrified visco-capillary jet. <i>Journal of Fluid Mechanics</i> , 2011, 671, 226-253.	3.4	52
8	Sound generation on bubble coalescence following detachment. <i>International Journal of Multiphase Flow</i> , 2008, 34, 938-949.	3.4	47
9	Splashing of droplets impacting superhydrophobic substrates. <i>Journal of Fluid Mechanics</i> , 2019, 870, 175-188.	3.4	41
10	Wake attenuation in large Reynolds number dispersed two-phase flows. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 2177-2190.	3.4	40
11	Spreading and splashing of drops impacting rough substrates. <i>Journal of Fluid Mechanics</i> , 2021, 917, .	3.4	32
12	Boundary-layer effects in droplet splashing. <i>Physical Review E</i> , 2017, 96, 013105.	2.1	29
13	Maximum drop radius and critical Weber number for splashing in the dynamical Leidenfrost regime. <i>Journal of Fluid Mechanics</i> , 2016, 803, 516-527.	3.4	28
14	Inclined impact of drops. <i>Journal of Fluid Mechanics</i> , 2020, 897, .	3.4	26
15	A note on the aerodynamic splashing of droplets. <i>Journal of Fluid Mechanics</i> , 2019, 871, .	3.4	22
16	Vapour bubble growth and detachment at the wall of shear flow. <i>Heat and Mass Transfer</i> , 2009, 45, 847-855.	2.1	18
17	Large impact velocities suppress the splashing of micron-sized droplets. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	16
18	The initial impact of drops cushioned by an air or vapour layer with applications to the dynamic Leidenfrost regime. <i>Journal of Fluid Mechanics</i> , 2022, 941, .	3.4	7

#	ARTICLE	IF	CITATIONS
19	The effect of contact line pinning favors the mass production of monodisperse microbubbles. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	4
20	Experimental Characterization of the Whipping Instability of Charged Microjets in Liquid Baths. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1272, 1.	0.1	0