

Hanneke Gelderblom

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,262
citations

516215

16
h-index

500791

28
g-index

29
all docs

29
docs citations

29
times ranked

1385
citing authors

#	ARTICLE	IF	CITATIONS
1	Early-time hydrodynamic response of a tin droplet driven by laser-produced plasma. <i>Physical Review Research</i> , 2022, 4, .	1.3	11
2	Self-agglomerated collagen patterns govern cell behaviour. <i>Scientific Reports</i> , 2021, 11, 1516.	1.6	9
3	How to unloop a self-adherent sheet. <i>Europhysics Letters</i> , 2021, 134, 56001.	0.7	2
4	Initial solidification dynamics of spreading droplets. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	7
5	Solidification of liquid metal drops during impact. <i>Journal of Fluid Mechanics</i> , 2020, 883, .	1.4	40
6	Mass Loss from a Stretching Semitransparent Sheet of Liquid Tin. <i>Physical Review Applied</i> , 2020, 13, .	1.5	16
7	Drop fragmentation by laser-pulse impact. <i>Journal of Fluid Mechanics</i> , 2020, 893, .	1.4	30
8	Expansion Dynamics after Laser-Induced Cavitation in Liquid Tin Microdroplets. <i>Physical Review Applied</i> , 2018, 10, .	1.5	30
9	Laser-to-droplet alignment sensitivity relevant for laser-produced plasma sources of extreme ultraviolet light. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	13
10	Droplet deformation by short laser-induced pressure pulses. <i>Journal of Fluid Mechanics</i> , 2017, 828, 374-394.	1.4	17
11	Apparatus to control and visualize the impact of a high-energy laser pulse on a liquid target. <i>Review of Scientific Instruments</i> , 2017, 88, 095102.	0.6	5
12	Contact line arrest in solidifying spreading drops. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	37
13	Oblique drop impact onto a deep liquid pool. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	36
14	Drop deformation by laser-pulse impact. <i>Journal of Fluid Mechanics</i> , 2016, 794, 676-699.	1.4	51
15	Plasma Propulsion of a Metallic Microdroplet and its Deformation upon Laser Impact. <i>Physical Review Applied</i> , 2016, 6, .	1.5	72
16	Axisymmetric multiphase lattice Boltzmann method for generic equations of state. <i>Journal of Computational Science</i> , 2016, 17, 309-314.	1.5	11
17	Drop Shaping by Laser-Pulse Impact. <i>Physical Review Applied</i> , 2015, 3, .	1.5	76
18	Stokes flow in a drop evaporating from a liquid subphase. <i>Physics of Fluids</i> , 2013, 25, 102102.	1.6	10

#	ARTICLE	IF	CITATIONS
19	Oscillations of a gas pocket on a liquid-covered solid surface. <i>Physics of Fluids</i> , 2012, 24, .	1.6	18
20	Building microscopic soccer balls with evaporating colloidal fakir drops. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16455-16458.	3.3	113
21	Stokes flow near the contact line of an evaporating drop. <i>Journal of Fluid Mechanics</i> , 2012, 709, 69-84.	1.4	58
22	How water droplets evaporate on a superhydrophobic substrate. <i>Physical Review E</i> , 2011, 83, 026306.	0.8	159
23	Analytical and experimental characterization of a miniature calorimetric sensor in a pulsatile flow. <i>Journal of Fluid Mechanics</i> , 2011, 666, 428-444.	1.4	7
24	Order-to-Disorder Transition in Ring-Shaped Colloidal Stains. <i>Physical Review Letters</i> , 2011, 107, 085502.	2.9	339
25	Publisher's Note: How water droplets evaporate on a superhydrophobic substrate [Phys. Rev. E 83, 026306 (2011)]. <i>Physical Review E</i> , 2011, 83, .	0.8	1
26	Estimation of distributed arterial mechanical properties using a wave propagation model in a reverse way. <i>Medical Engineering and Physics</i> , 2010, 32, 957-967.	0.8	39
27	Estimation of the Arterial Mechanical Properties Based on a Patient Specific Wave Propagation Model Using a Stochastic Method. , 2009, , .		0