Claas-Willem Visser

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8687652/publications.pdf

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26	1,738	394286 19	526166 27
papers	citations	h-index	g-index

29	29	29	2112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the spreading of impacting drops. Journal of Fluid Mechanics, 2016, 805, 636-655.	1.4	220
2	Toward 3D Printing of Pure Metals by Laserâ€Induced Forward Transfer. Advanced Materials, 2015, 27, 4087-4092.	11.1	217
3	Control of slippage with tunable bubble mattresses. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8422-8426.	3.3	157
4	Dynamics of high-speed micro-drop impact: numerical simulations and experiments at frame-to-frame times below 100 ns. Soft Matter, 2015, 11, 1708-1722.	1.2	155
5	In-air microfluidics enables rapid fabrication of emulsions, suspensions, and 3D modular (bio)materials. Science Advances, 2018, 4, eaao1175.	4.7	149
6	Optimizing cell viability in droplet-based cell deposition. Scientific Reports, 2015, 5, 11304.	1.6	87
7	Architected Polymer Foams via Direct Bubble Writing. Advanced Materials, 2019, 31, e1904668.	11.1	82
8	Drop Shaping by Laser-Pulse Impact. Physical Review Applied, 2015, 3, .	1.5	76
9	Microdroplet impact at very high velocity. Soft Matter, 2012, 8, 10732.	1.2	70
10	Printing Functional 3D Microdevices by Laserâ€Induced Forward Transfer. Small, 2017, 13, 1602553.	5.2	70
11	Ultrahigh-Throughput Production of Monodisperse and Multifunctional Janus Microparticles Using in-Air Microfluidics. ACS Applied Materials & Interfaces, 2018, 10, 23433-23438.	4.0	56
12	Highly Focused Supersonic Microjets. Physical Review X, 2012, 2, .	2.8	51
13	Centering Single Cells in Microgels via Delayed Crosslinking Supports Long-Term 3D Culture by Preventing Cell Escape. Small, 2017, 13, 1603711.	5.2	49
14	Role of natural convection in the dissolution of sessile droplets. Journal of Fluid Mechanics, 2016, 794, 45-67.	1.4	46
15	Ejection Regimes in Picosecond Laser-Induced Forward Transfer of Metals. Physical Review Applied, 2015, 3, .	1.5	42
16	Impact-driven ejection of micro metal droplets on-demand. International Journal of Machine Tools and Manufacture, 2016, 106, 67-74.	6.2	36
17	Oblique drop impact onto a deep liquid pool. Physical Review Fluids, 2017, 2, .	1.0	36
18	Marangoni-driven spreading of miscible liquids in the binary pendant drop geometry. Soft Matter, 2019, 15, 8525-8531.	1.2	25

#	Article	IF	Citations
19	Programmable Porous Polymers via Direct Bubble Writing with Surfactant-Free Inks. ACS Applied Materials & Interfaces, 2020, 12, 42048-42055.	4.0	22
20	Continuous-wave laser generated jets for needle free applications. Biomicrofluidics, 2016, 10, 014104.	1.2	20
21	Continuous Highâ€Throughput Fabrication of Architected Micromaterials via Inâ€Air Photopolymerization. Advanced Materials, 2021, 33, e2006336.	11.1	18
22	Quantifying Cell Adhesion through Impingement of a Controlled Microjet. Biophysical Journal, 2015, 108, 23-31.	0.2	17
23	Laser-induced forward transfer of viscoplasticÂfluids. Journal of Fluid Mechanics, 2019, 880, 497-513.	1.4	17
24	3D Printing: Toward 3D Printing of Pure Metals by Laser-Induced Forward Transfer (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	11.1	6
25	Inâ€Air Photopolymerization: Continuous Highâ€Throughput Fabrication of Architected Micromaterials via Inâ€Air Photopolymerization (Adv. Mater. 3/2021). Advanced Materials, 2021, 33, 2170021.	11.1	0
26	Deposition Offset of Printed Foam Strands in Direct Bubble Writing. Polymers, 2022, 14, 2895.	2.0	0