

# Claas-Willem Visser

## List of Publications by Citations

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25  
papers

1,191  
citations

17  
h-index

29  
g-index

29  
ext. papers

1,452  
ext. citations

9.3  
avg, IF

4.56  
L-index

#	Paper	IF	Citations
25	Toward 3D Printing of Pure Metals by Laser-Induced Forward Transfer. <i>Advanced Materials</i> , <b>2015</b> , 27, 4087-92	24	154
24	On the spreading of impacting drops. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 805, 636-655	3.7	139
23	Control of slippage with tunable bubble mattresses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 8422-6	11.5	133
22	Dynamics of high-speed micro-drop impact: numerical simulations and experiments at frame-to-frame times below 100 ns. <i>Soft Matter</i> , <b>2015</b> , 11, 1708-22	3.6	127
21	In-air microfluidics enables rapid fabrication of emulsions, suspensions, and 3D modular (bio)materials. <i>Science Advances</i> , <b>2018</b> , 4, eaao1175	14.3	87
20	Optimizing cell viability in droplet-based cell deposition. <i>Scientific Reports</i> , <b>2015</b> , 5, 11304	4.9	72
19	Microdroplet impact at very high velocity. <i>Soft Matter</i> , <b>2012</b> , 8, 10732	3.6	56
18	Drop Shaping by Laser-Pulse Impact. <i>Physical Review Applied</i> , <b>2015</b> , 3,	4.3	52
17	Printing Functional 3D Microdevices by Laser-Induced Forward Transfer. <i>Small</i> , <b>2017</b> , 13, 1602553	11	46
16	Architected Polymer Foams via Direct Bubble Writing. <i>Advanced Materials</i> , <b>2019</b> , 31, e1904668	24	43
15	Highly Focused Supersonic Microjets. <i>Physical Review X</i> , <b>2012</b> , 2,	9.1	37
14	Centering Single Cells in Microgels via Delayed Crosslinking Supports Long-Term 3D Culture by Preventing Cell Escape. <i>Small</i> , <b>2017</b> , 13, 1603711	11	36
13	Ejection Regimes in Picosecond Laser-Induced Forward Transfer of Metals. <i>Physical Review Applied</i> , <b>2015</b> , 3,	4.3	32
12	Role of natural convection in the dissolution of sessile droplets. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 794, 45-67	3.7	32
11	Ultrahigh-Throughput Production of Monodisperse and Multifunctional Janus Microparticles Using in-Air Microfluidics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23433-23438	9.5	31
10	Impact-driven ejection of micro metal droplets on-demand. <i>International Journal of Machine Tools and Manufacture</i> , <b>2016</b> , 106, 67-74	9.4	23
9	Oblique drop impact onto a deep liquid pool. <i>Physical Review Fluids</i> , <b>2017</b> , 2,	2.8	18

8	Continuous-wave laser generated jets for needle free applications. <i>Biomicrofluidics</i> , <b>2016</b> , 10, 014104	3.2	16
7	Programmable Porous Polymers via Direct Bubble Writing with Surfactant-Free Inks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 42048-42055	9.5	13
6	Marangoni-driven spreading of miscible liquids in the binary pendant drop geometry. <i>Soft Matter</i> , <b>2019</b> , 15, 8525-8531	3.6	11
5	Quantifying cell adhesion through impingement of a controlled microjet. <i>Biophysical Journal</i> , <b>2015</b> , 108, 23-31	2.9	10
4	Laser-induced forward transfer of viscoplastic fluids. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 880, 497-513	3.7	8
3	3D Printing: Toward 3D Printing of Pure Metals by Laser-Induced Forward Transfer (Adv. Mater. 27/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 4103-4103	24	4
2	Continuous High-Throughput Fabrication of Architected Micromaterials via In-Air Photopolymerization. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006336	24	3
1	In-Air Photopolymerization: Continuous High-Throughput Fabrication of Architected Micromaterials via In-Air Photopolymerization (Adv. Mater. 3/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170021	24	1