

# DaniÃ©ll Malsch

## List of Publications by Year in descending order

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14  
papers

474  
citations

933447

10  
h-index

1125743

13  
g-index

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14  
docs citations

14  
times ranked

694  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combination of microfluidic high-throughput production and parameter screening for efficient shaping of gold nanocubes using Dean-flow mixing. Lab on A Chip, 2017, 17, 1487-1495.	6.0	55
2	Gold nanocubes – Direct comparison of synthesis approaches reveals the need for a microfluidic synthesis setup for a high reproducibility. Chemical Engineering Journal, 2016, 288, 432-440.	12.7	50
3	Optical detection of nanoparticle agglomeration in a living system under the influence of a magnetic field. Journal of Magnetism and Magnetic Materials, 2015, 380, 61-65.	2.3	12
4	Toward microfluidic design automation: a new system simulation toolkit for the in silico evaluation of droplet-based lab-on-a-chip systems. Microfluidics and Nanofluidics, 2015, 18, 1095-1105.	2.2	14
5	Reconstructing the 3D shapes of droplets in glass microchannels with application to Bretherton’s problem. Experiments in Fluids, 2014, 55, 1.	2.4	4
6	Functionalization of Microstructured Optical Fibers by Internal Nanoparticle Mono-Layers for Plasmonic Biosensor Applications. IEEE Sensors Journal, 2012, 12, 218-224.	4.7	24
7	Numerical and experimental investigations of mixing in T-shaped and cross-shaped micromixers. Chemical Engineering Science, 2012, 68, 278-289.	3.8	85
8	Homogenous metallic nanoparticle monolayer inside a microstructured optical fiber. , 2011, , .		0
9	Microstructured optical fiber with homogeneous monolayer of plasmonic nanoparticles for bioanalysis. Proceedings of SPIE, 2010, , .	0.8	1
10	Dynamics of droplet formation at T-shaped nozzles with elastic feed lines. Microfluidics and Nanofluidics, 2010, 8, 497-507.	2.2	27
11	Nanoparticle Layer Deposition for Plasmonic Tuning of Microstructured Optical Fibers. Small, 2010, 6, 2584-2589.	10.0	62
12	Towards a quantitative SERS approach – online monitoring of analytes in a microfluidic system with isotope-edited internal standards. Journal of Biophotonics, 2009, 2, 232-242.	2.3	94
13	Quantitative CARS Microscopic Detection of Analytes and Their Isotopomers in a Two-Channel Microfluidic Chip. Small, 2009, 5, 2816-2818.	10.0	37
14	Toolkit for computational fluidic simulation and interactive parametrization of segmented flow based fluidic networks. Chemical Engineering Journal, 2008, 135, S210-S218.	12.7	9