

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

14
all docs

14
docs citations

14
times ranked

694
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a quantitative SERS approach â€“ online monitoring of analytes in a microfluidic system with isotopeâ€“edited internal standards. <i>Journal of Biophotonics</i> , 2009, 2, 232-242.	2.3	94
2	Numerical and experimental investigations of mixing in T-shaped and cross-shaped micromixers. <i>Chemical Engineering Science</i> , 2012, 68, 278-289.	3.8	85
3	Nanoparticle Layer Deposition for Plasmonic Tuning of Microstructured Optical Fibers. <i>Small</i> , 2010, 6, 2584-2589.	10.0	62
4	Combination of microfluidic high-throughput production and parameter screening for efficient shaping of gold nanocubes using Dean-flow mixing. <i>Lab on A Chip</i> , 2017, 17, 1487-1495.	6.0	55
5	Gold nanocubes â€“ Direct comparison of synthesis approaches reveals the need for a microfluidic synthesis setup for a high reproducibility. <i>Chemical Engineering Journal</i> , 2016, 288, 432-440.	12.7	50
6	Quantitative CARS Microscopic Detection of Analytes and Their Isotopomers in a Twoâ€“Channel Microfluidic Chip. <i>Small</i> , 2009, 5, 2816-2818.	10.0	37
7	Dynamics of droplet formation at T-shaped nozzles with elastic feed lines. <i>Microfluidics and Nanofluidics</i> , 2010, 8, 497-507.	2.2	27
8	Functionalization of Microstructured Optical Fibers by Internal Nanoparticle Mono-Layers for Plasmonic Biosensor Applications. <i>IEEE Sensors Journal</i> , 2012, 12, 218-224.	4.7	24
9	Toward microfluidic design automation: a new system simulation toolkit for the in silico evaluation of droplet-based lab-on-a-chip systems. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 1095-1105.	2.2	14
10	Optical detection of nanoparticle agglomeration in a living system under the influence of a magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 380, 61-65.	2.3	12
11	Toolkit for computational fluidic simulation and interactive parametrization of segmented flow based fluidic networks. <i>Chemical Engineering Journal</i> , 2008, 135, S210-S218.	12.7	9
12	Reconstructing the 3D shapes of droplets in glass microchannels with application to Brethertonâ€™s problem. <i>Experiments in Fluids</i> , 2014, 55, 1.	2.4	4
13	Microstructured optical fiber with homogeneous monolayer of plasmonic nanoparticles for bioanalysis. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
14	Homogenous metallic nanoparticle monolayer inside a microstructured optical fiber. , 2011, , .		0