

Daniel Mark

List of Publications by Year in descending order

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16
papers

2,729
citations

687363

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940533

16
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docs citations

18
times ranked

4576
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic lab-on-a-chip platforms: requirements, characteristics and applications. <i>Chemical Society Reviews</i> , 2010, 39, 1153.	38.1	1,366
2	Versatile sample environments and automation for biological solution X-ray scattering experiments at the P12 beamline (PETRA III, DESY). <i>Journal of Applied Crystallography</i> , 2015, 48, 431-443.	4.5	508
3	Microfluidic lab-on-a-foil for nucleic acid analysis based on isothermal recombinase polymerase amplification (RPA). <i>Lab on A Chip</i> , 2010, 10, 887.	6.0	308
4	Microstructuring of polymer films for sensitive genotyping by real-time PCR on a centrifugal microfluidic platform. <i>Lab on A Chip</i> , 2010, 10, 2519.	6.0	108
5	Aliquoting on the centrifugal microfluidic platform based on centrifugo-pneumatic valves. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 1279-1288.	2.2	75
6	Centrifugo-pneumatic valve for metering of highly wetting liquids on centrifugal microfluidic platforms. <i>Lab on A Chip</i> , 2009, 9, 3599.	6.0	72
7	Pre-storage of liquid reagents in glass ampoules for DNA extraction on a fully integrated lab-on-a-chip cartridge. <i>Lab on A Chip</i> , 2010, 10, 1480.	6.0	58
8	Centrifugal gas-phase transition magnetophoresis (GTM) – a generic method for automation of magnetic bead based assays on the centrifugal microfluidic platform and application to DNA purification. <i>Lab on A Chip</i> , 2013, 13, 146-155.	6.0	56
9	LabDisk for SAXS: a centrifugal microfluidic sample preparation platform for small-angle X-ray scattering. <i>Lab on A Chip</i> , 2016, 16, 1161-1170.	6.0	44
10	Real-time PCR based detection of a panel of food-borne pathogens on a centrifugal microfluidic –LabDisk– with on-disk quality controls and standards for quantification. <i>Analytical Methods</i> , 2014, 6, 2038.	2.7	42
11	Microfluidic Apps for off-the-shelf instruments. <i>Lab on A Chip</i> , 2012, 12, 2464.	6.0	37
12	Multiplex genotyping of KRAS point mutations in tumor cell DNA by allele-specific real-time PCR on a centrifugal microfluidic disk segment. <i>Mikrochimica Acta</i> , 2014, 181, 1681-1688.	5.0	19
13	Chromophoric Dyads for the Light-Driven Generation of Hydrogen: Investigation of Factors in the Design of Multicomponent Photosensitizers for Proton Reduction. <i>Inorganic Chemistry</i> , 2016, 55, 8348-8358.	4.0	17
14	IR thermocycler for centrifugal microfluidic platform with direct on-disk wireless temperature measurement system. , 2011, , .		9
15	Optical non-contact localization of liquid-gas interfaces on disk during rotation for measuring flow rates and viscosities. <i>Lab on A Chip</i> , 2012, 12, 5231.	6.0	6
16	Microfluidic cartridges for DNA purification and genotyping processed in standard laboratory instruments. <i>Proceedings of SPIE</i> , 2011, , .	0.8	3