

# Matthias Urban

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7372939/publications.pdf>

Version: 2024-02-01

13  
papers

276  
citations

1039880

9  
h-index

1199470

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

350  
citing authors

#	ARTICLE	IF	CITATIONS
1	A paralleled readout system for an electrical DNA-hybridization assay based on a microstructured electrode array. <i>Review of Scientific Instruments</i> , 2003, 74, 1077-1081.	0.6	60
2	Development of a lab-on-a-chip device for diagnosis of plant pathogens. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4070-4075.	5.3	60
3	Towards on-site testing of <i>Phytophthora</i> species. <i>Analytical Methods</i> , 2015, 7, 211-217.	1.3	34
4	A disposable and cost efficient microfluidic device for the rapid chip-based electrical detection of DNA. <i>Biosensors and Bioelectronics</i> , 2009, 25, 15-21.	5.3	32
5	Photocatalyst activation by intrinsic stimulation in TiO <sub>2</sub> /BaTiO <sub>3</sub> . <i>Catalysis Science and Technology</i> , 2012, 2, 1472.	2.1	24
6	Micro Flow-Through Thermocycler with Simple Meandering Channel with Symmetric Temperature Zones for Disposable PCR-Devices in Microscope Slide Format. <i>Journal of Bionic Engineering</i> , 2008, 5, 291-298.	2.7	17
7	Assembling gold nanoparticle chains using an AC electrical field: Electrical detection of organic thiols. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 368-373.	4.0	17
8	Chip-based detection system for the on-site analysis of animal diseases. <i>Engineering in Life Sciences</i> , 2011, 11, 148-156.	2.0	15
9	Applying contact to individual silicon nanowires using a dielectrophoresis (DEP)-based technique. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	10
10	Simultaneous topographic and amperometric membrane mapping using an AFM probe integrated biosensor. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2911-2916.	5.3	3
11	Printed circuit boards as platform for disposable lab-on-a-chip applications. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
12	Comparison of qPCR and Miniaturized Chip-Based Detection of Enterotoxigenic <i>Escherichia coli</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 9142-9148.	0.9	1
13	Viren mit Leitfähigkeit detektieren. <i>Nachrichten Aus Der Chemie</i> , 2011, 59, 748-750.	0.0	0