

# Stefan Schlautmann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11527410/publications.pdf>

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16  
papers

1,127  
citations

759233

12  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Field-Effect Flow Control for Microfabricated Fluidic Networks. <i>Science</i> , 1999, 286, 942-945.	12.6	419
2	Free-flow zone electrophoresis and isoelectric focusing using a microfabricated glass device with ion permeable membranes. <i>Lab on A Chip</i> , 2006, 6, 374.	6.0	140
3	New approaches for fabrication of microfluidic capillary electrophoresis devices with on-chip conductivity detection. <i>Electrophoresis</i> , 2001, 22, 235-241.	2.4	109
4	Powder-blasting technology as an alternative tool for microfabrication of capillary electrophoresis chips with integrated conductivity sensors. <i>Journal of Micromechanics and Microengineering</i> , 2001, 11, 386-389.	2.6	107
5	Microfluidic High-Resolution Free-Flow Isoelectric Focusing. <i>Analytical Chemistry</i> , 2007, 79, 8190-8198.	6.5	97
6	Bubble-Free Operation of a Microfluidic Free-Flow Electrophoresis Chip with Integrated Pt Electrodes. <i>Analytical Chemistry</i> , 2008, 80, 4111-4118.	6.5	78
7	Disposable Attenuated Total Reflection-Infrared Crystals from Silicon Wafer: A Versatile Approach to Surface Infrared Spectroscopy. <i>Analytical Chemistry</i> , 2013, 85, 33-38.	6.5	39
8	Glucose level determination with a multi-enzymatic cascade reaction in a functionalized glass chip. <i>Analyst</i> , 2013, 138, 5019.	3.5	28
9	Electro-osmotically controllable multi-flow microreactor. <i>Microfluidics and Nanofluidics</i> , 2005, 1, 242-248.	2.2	24
10	Attenuated Total Reflection-Infrared Nanofluidic Chip with 71 nL Detection Volume for <i>in Situ</i> Spectroscopic Analysis of Chemical Reaction Intermediates. <i>Analytical Chemistry</i> , 2012, 84, 3132-3137.	6.5	22
11	A microfluidic device for array patterning by perpendicular electrokinetic focusing. <i>Microfluidics and Nanofluidics</i> , 2008, 4, 557-564.	2.2	17
12	Electroosmotic guiding of sample flows in a laminar flow chamber. <i>Electrophoresis</i> , 2004, 25, 3705-3711.	2.4	14
13	On the pathway of photoexcited electrons: probing photon-to-electron and photon-to-phonon conversions in silicon by ATR-IR. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10882.	2.8	11
14	An All-Glass Microfluidic Network with Integrated Amorphous Silicon Photosensors for on-Chip Monitoring of Enzymatic Biochemical Assay. <i>Biosensors</i> , 2017, 7, 58.	4.7	11
15	Synchronized, Continuous-Flow Zone Electrophoresis. <i>Analytical Chemistry</i> , 2008, 80, 6228-6234.	6.5	7
16	Miniaturized Capillary Electrophoresis System with Integrated Conductivity Detector. , 2000, , 391-394.		4