

# Tomasz Kaminski

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/59492/publications.pdf>

Version: 2024-02-01

30  
papers

1,531  
citations

430874

18  
h-index

454955

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2131  
citing authors

#	ARTICLE	IF	CITATIONS
1	Droplet microfluidics for microbiology: techniques, applications and challenges. <i>Lab on A Chip</i> , 2016, 16, 2168-2187.	6.0	326
2	Controlled droplet microfluidic systems for multistep chemical and biological assays. <i>Chemical Society Reviews</i> , 2017, 46, 6210-6226.	38.1	214
3	Rapid screening of antibiotic toxicity in an automated microdroplet system. <i>Lab on A Chip</i> , 2012, 12, 1629.	6.0	204
4	Bacterial Growth and Adaptation in Microdroplet Chemostats. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8908-8911.	13.8	107
5	High-throughput total RNA sequencing in single cells using VASA-seq. <i>Nature Biotechnology</i> , 2022, 40, 1780-1793.	17.5	70
6	Automated generation of libraries of nL droplets. <i>Lab on A Chip</i> , 2012, 12, 3995.	6.0	45
7	A passive microfluidic system based on step emulsification allows the generation of libraries of nanoliter-sized droplets from microliter droplets of varying and known concentrations of a sample. <i>Lab on A Chip</i> , 2017, 17, 1323-1331.	6.0	44
8	A droplet microfluidic system for sequential generation of lipid bilayers and transmembrane electrical recordings. <i>Lab on A Chip</i> , 2015, 15, 541-548.	6.0	43
9	FOXO1 is a TXN- and p300-dependent sensor and effector of oxidative stress in diffuse large B-cell lymphomas characterized by increased oxidative metabolism. <i>Oncogene</i> , 2016, 35, 5989-6000.	5.9	42
10	Dodecylresorufin (C12R) Outperforms Resorufin in Microdroplet Bacterial Assays. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 11318-11325.	8.0	40
11	Optimized droplet digital CFU assay (ddCFU) provides precise quantification of bacteria over a dynamic range of 6 orders of magnitude and beyond. <i>Lab on A Chip</i> , 2017, 17, 1980-1987.	6.0	40
12	Antibiograms in five pipetting steps: precise dilution assays in sub-microliter volumes with a conventional pipette. <i>Lab on A Chip</i> , 2016, 16, 893-901.	6.0	38
13	Microfluidic screening of antibiotic susceptibility at a single-cell level shows the inoculum effect of cefotaxime on <i>E. coli</i> . <i>Lab on A Chip</i> , 2018, 18, 3668-3677.	6.0	37
14	Gravity-driven microfluidic assay for digital enumeration of bacteria and for antibiotic susceptibility testing. <i>Lab on A Chip</i> , 2020, 20, 54-63.	6.0	35
15	Formation and structure of PEI/DNA complexes: quantitative analysis. <i>Soft Matter</i> , 2011, 7, 6967.	2.7	33
16	Ultrahigh throughput screening for enzyme function in droplets. <i>Methods in Enzymology</i> , 2020, 643, 317-343.	1.0	32
17	Characterization of <i>Caulobacter crescentus</i> FtsZ Protein Using Dynamic Light Scattering. <i>Journal of Biological Chemistry</i> , 2012, 287, 23878-23886.	3.4	26
18	Influence of nano-viscosity and depletion interactions on cleavage of DNA by enzymes in glycerol and poly(ethylene glycol) solutions: qualitative analysis. <i>Soft Matter</i> , 2011, 7, 3092-3099.	2.7	23

#	ARTICLE	IF	CITATIONS
19	A precise and accurate microfluidic droplet dilutor. <i>Analyst, The</i> , 2017, 142, 2901-2911.	3.5	19
20	Passive and parallel microfluidic formation of droplet interface bilayers (DIBs) for measurement of leakage of small molecules through artificial phospholipid membranes. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 258-265.	7.8	19
21	Single-cell activity screening in microfluidic droplets. <i>Methods in Enzymology</i> , 2019, 628, 95-112.	1.0	15
22	Droplet Microfluidics as a Tool for the Generation of Granular Matters and Functional Emulsions. <i>KONA Powder and Particle Journal</i> , 2019, 36, 50-71.	1.7	15
23	Rational Design of Digital Assays. <i>Analytical Chemistry</i> , 2015, 87, 8203-8209.	6.5	13
24	An Automated Microfluidic System for the Generation of Droplet Interface Bilayer Networks. <i>Micromachines</i> , 2017, 8, 93.	2.9	12
25	Ultrahigh-Throughput Detection of Enzymatic Alcohol Dehydrogenase Activity in Microfluidic Droplets with a Direct Fluorogenic Assay. <i>ChemBioChem</i> , 2021, 22, 3292-3299.	2.6	9
26	Fluorescence correlation spectroscopy analysis for accurate determination of proportion of doubly labeled DNA in fluorescent DNA pool for quantitative biochemical assays. <i>Biosensors and Bioelectronics</i> , 2014, 51, 8-15.	10.1	4
27	A flexible fluorescence correlation spectroscopy based method for quantification of the DNA double labeling efficiency with precision control. <i>Laser Physics Letters</i> , 2014, 11, 085602.	1.4	1
28	FOXO1-p300-Txn Circuit Regulates Oxidative Stress Responses in Diffuse Large B-Cell Lymphomas Characterized By Enhanced Oxidative Phosphorylation. <i>Blood</i> , 2015, 126, 466-466.	1.4	1
29	Automated Droplet Microfluidic Chips for Biochemical Assays. , 2012, , 117-136.		0
30	Lipid bilayer at vertically aligned nanoliter droplets generated by two-layered microfluidic channels. , 2017, , .		0