

# Jonathan J West

## List of Publications by Year in descending order

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55  
papers

3,425  
citations

257101

24  
h-index

205818

48  
g-index

63  
all docs

63  
docs citations

63  
times ranked

5461  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structured surface wetting of a PTFE flow-cell for terahertz spectroscopy of proteins. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131003.	4.0	12
2	Emerging Technologies for Understanding Platelet Diversity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 540-552.	1.1	2
3	Comparison of optimized methodologies for isolating nuclei from oesophageal tissue. <i>BioTechniques</i> , 2022, 72, 104-109.	0.8	1
4	Resolving cellular systems by ultra-sensitive and economical single-cell transcriptome filtering. <i>IScience</i> , 2021, 24, 102147.	1.9	9
5	An IRF1-IRF4 Toggle-Switch Controls Tolerogenic and Immunogenic Transcriptional Programming in Human Langerhans Cells. <i>Frontiers in Immunology</i> , 2021, 12, 665312.	2.2	9
6	Droplet Microfluidics with Reagent Micromixing for Investigating Intrinsic Platelet Functionality. <i>Cellular and Molecular Bioengineering</i> , 2021, 14, 223-230.	1.0	2
7	Dual dean entrainment with volume ratio modulation for efficient droplet co-encapsulation: extreme single-cell indexing. <i>Lab on A Chip</i> , 2021, 21, 3378-3386.	3.1	7
8	Transfer learning efficiently maps bone marrow cell types from mouse to human using single-cell RNA sequencing. <i>Communications Biology</i> , 2020, 3, 736.	2.0	18
9	An integrated model system to gain mechanistic insights into biofilm-associated antimicrobial resistance in <i>Pseudomonas aeruginosa</i> MPAO1. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 46.	2.9	31
10	p53 is regulated by aerobic glycolysis in cancer cells by the CtBP family of NADH-dependent transcriptional regulators. <i>Science Signaling</i> , 2020, 13, .	1.6	28
11	Single platelet variability governs population sensitivity and initiates intrinsic heterotypic responses. <i>Communications Biology</i> , 2020, 3, 281.	2.0	7
12	Monolithically-integrated cytometer for measuring particle diameter in the extracellular vesicle size range using multi-angle scattering. <i>Lab on A Chip</i> , 2020, 20, 1267-1280.	3.1	2
13	Genomic programming of IRF4-expressing human Langerhans cells. <i>Nature Communications</i> , 2020, 11, 313.	5.8	22
14	Co-culture of Murine Neurons Using a Microfluidic Device for The Study of Tau Misfolding Propagation. <i>Bio-protocol</i> , 2020, 10, e3718.	0.2	1
15	An optimised tissue disaggregation and data processing pipeline for characterising fibroblast phenotypes using single-cell RNA sequencing. <i>Scientific Reports</i> , 2019, 9, 9580.	1.6	46
16	Tau Misfolding Efficiently Propagates between Individual Intact Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2019, 39, 9623-9632.	1.7	34
17	Stem cell-like breast cancer cells with acquired resistance to metformin are sensitive to inhibitors of NADH-dependent CtBP dimerization. <i>Carcinogenesis</i> , 2019, 40, 871-882.	1.3	30
18	Asymmetric confinement for defining outgrowth directionality. <i>Lab on A Chip</i> , 2019, 19, 1484-1489.	3.1	25

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19	Perpetual sedimentation for the continuous delivery of particulate suspensions. Lab on A Chip, 2019, 19, 3771-3775.	3.1	9
20	Minimalistic in vitro systems for investigating tau pathology. Journal of Neuroscience Methods, 2019, 319, 69-76.	1.3	3
21	An Optimized Method to Isolate Human Fibroblasts from Tissue for Ex Vivo Analysis. Bio-protocol, 2019, 9, e3440.	0.2	0
22	Serial integration of Dean-structured sample cores with linear inertial focussing for enhanced particle and cell sorting. Biomicrofluidics, 2018, 12, 044104.	1.2	6
23	Antibody Tumor Targeting Is Enhanced by CD27 Agonists through Myeloid Recruitment. Cancer Cell, 2017, 32, 777-791.e6.	7.7	52
24	Investigating Platelet Functional Heterogeneity Using Droplet Microfluidics. Heart, 2016, 102, A129.2-A130.	1.2	0
25	Bridging Two Cultures: Minimalistic Networks Prepared by Microfluidic Arraying, and Open Access Compartments for Electrophysiology. Neuromethods, 2015, , 39-56.	0.2	0
26	Micropatterning neuronal networks. Analyst, The, 2014, 139, 3256-3264.	1.7	31
27	Preparation of Neuronal Co-cultures with Single Cell Precision. Journal of Visualized Experiments, 2014, , .	0.2	4
28	Whole Cell Quenched Flow Analysis. Analytical Chemistry, 2013, 85, 11560-11567.	3.2	5
29	Microfluidic construction of minimalistic neuronal co-cultures. Lab on A Chip, 2013, 13, 1402.	3.1	66
30	Ultrafast cell switching for recording cell surface transitions: new insights into epidermal growth factor receptor signalling. Lab on A Chip, 2013, 13, 1031.	3.1	18
31	High fidelity neuronal networks formed by plasma masking with a bilayer membrane: analysis of neurodegenerative and neuroprotective processes. Lab on A Chip, 2011, 11, 2763.	3.1	42
32	A microfluidic array with cellular valving for single cell co-culture. Lab on A Chip, 2011, 11, 231-237.	3.1	169
33	Microarrays for the scalable production of metabolically relevant tumour spheroids: a tool for modulating chemosensitivity traits. Lab on A Chip, 2011, 11, 419-428.	3.1	78
34	Multicellular tumor spheroids: An underestimated tool is catching up again. Journal of Biotechnology, 2010, 148, 3-15.	1.9	1,376
35	ERBB2 Induces an Antiapoptotic Expression Pattern of Bcl-2 Family Members in Node-Negative Breast Cancer. Clinical Cancer Research, 2010, 16, 451-460.	3.2	46
36	Wenig Gift " viel Kontakt. Nachrichten Aus Der Chemie, 2010, 58, 1049-1051.	0.0	0

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37	The network formation assay: a spatially standardized neurite outgrowth analytical display for neurotoxicity screening. <i>Lab on A Chip</i> , 2010, 10, 701.	3.1	106
38	Plasma stencilling methods for cell patterning. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 601-609.	1.9	62
39	Force microscopy analysis using chemometric tools. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1253-1260.	1.9	1
40	Toward a PCR-Independent Molecular Diagnosis of Veterinary and Medically Relevant Pathogenic Organisms. <i>Annals of the New York Academy of Sciences</i> , 2008, 1149, 391-393.	1.8	0
41	Micro Total Analysis Systems: Latest Achievements. <i>Analytical Chemistry</i> , 2008, 80, 4403-4419.	3.2	397
42	Massively parallel production of lipid microstructures. <i>Lab on A Chip</i> , 2008, 8, 1852.	3.1	10
43	Channel-free shear driven circular liquid chromatography. <i>Lab on A Chip</i> , 2008, 8, 1784.	3.1	7
44	Lipid Nanotubule Fabrication by Microfluidic Tweezing. <i>Langmuir</i> , 2008, 24, 6754-6758.	1.6	20
45	ECDM methods for fluidic interfacing through thin glass substrates and the formation of spherical microcavities. <i>Journal of Micromechanics and Microengineering</i> , 2007, 17, 403-409.	1.5	51
46	Ultrasensitive PCR and Real-Time Detection from Human Genomic Samples Using a Bidirectional Flow Microreactor. <i>Analytical Chemistry</i> , 2007, 79, 9185-9190.	3.2	46
47	Microplasma writing for surface-directed millifluidics. <i>Lab on A Chip</i> , 2007, 7, 981.	3.1	47
48	Silicon microstructure arrays for DNA extraction by solid phase sample contacting at high flow rates. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 664-671.	4.0	21
49	Accessing DNA by low voltage alternating current Joule effect heating. <i>Analytica Chimica Acta</i> , 2004, 527, 1-12.	2.6	6
50	Modelling Annular Micromixers. <i>SIAM Journal on Applied Mathematics</i> , 2004, 64, 1294-1310.	0.8	47
51	Thermal modelling of Ohmic heating microreactors. <i>Microelectronics Journal</i> , 2003, 34, 1137-1142.	1.1	14
52	Structuring laminar flows using annular magnetohydrodynamic actuation. <i>Sensors and Actuators B: Chemical</i> , 2003, 96, 190-199.	4.0	36
53	<a href="#">Application of magnetohydrodynamic actuation to continuous flow chemistry</a> Electronic supplementary information (ESI) available: figures depicting a silicon MHD microreactor, finite element solution for velocity profile in the silicon microreactor annulus, and the effect of MHD actuation conditions on the PCR product previously generated by conventional amplification methods and on the PCR reagents prior to thermocycling by conventional methods. See <a href="http://www.rsc.org/suppdata/lc/b2/b206756k/">http://www.rsc.org/suppdata/lc/b2/b206756k/</a> . <i>Lab on A Chip</i> , 2002, 2, 224.	3.1	166
54	A DNA diagnostic biosensor: development, characterisation and performance. <i>Sensors and Actuators B: Chemical</i> , 2000, 68, 100-108.	4.0	162

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55	Epidemiology and clinical impact of <i>Pseudomonas aeruginosa</i> infection in cystic fibrosis using AP-PCR fingerprinting. <i>Journal of Infection</i> , 1998, 37, 151-158.	1.7	26