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	Multicellular tumor spheroids: An underestimated tool is catching up again. Journal of Biotechnology, 2010, 148, 3-15.	1.9	1,376
2	Micro Total Analysis Systems: Latest Achievements. Analytical Chemistry, 2008, 80, 4403-4419.	3.2	397
3	A microfluidic array with cellular valving for single cell co-culture. Lab on A Chip, 2011, 11, 231-237.	3.1	169
4	Application of magnetohydrodynamic actuation to continuous flow chemistryElectronic 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 http://www.rsc.org/suppdata/lc/b2/b206756k/. Lab on A Chip, 2002, 2, 224.	3.1	166
5	A DNA diagnostic biosensor: development, characterisation and performance. Sensors and Actuators B: Chemical, 2000, 68, 100-108.	4.0	162
6	The network formation assay: a spatially standardized neurite outgrowth analytical display for neurotoxicity screening. Lab on A Chip, 2010, 10, 701.	3.1	106
7	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
8	Microfluidic construction of minimalistic neuronal co-cultures. Lab on A Chip, 2013, 13, 1402.	3.1	66
9	Plasma stencilling methods for cell patterning. Analytical and Bioanalytical Chemistry, 2009, 395, 601-609.	1.9	62
10	Antibody Tumor Targeting Is Enhanced by CD27 Agonists through Myeloid Recruitment. Cancer Cell, 2017, 32, 777-791.e6.	7.7	52
11	ECDM methods for fluidic interfacing through thin glass substrates and the formation of spherical microcavities. Journal of Micromechanics and Microengineering, 2007, 17, 403-409.	1.5	51
12	Modelling Annular Micromixers. SIAM Journal on Applied Mathematics, 2004, 64, 1294-1310.	0.8	47
13	Microplasma writing for surface-directed millifluidics. Lab on A Chip, 2007, 7, 981.	3.1	47
14	Ultrasensitive PCR and Real-Time Detection from Human Genomic Samples Using a Bidirectional Flow Microreactor. Analytical Chemistry, 2007, 79, 9185-9190.	3.2	46
15	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
16	An optimised tissue disaggregation and data processing pipeline for characterising fibroblast phenotypes using single-cell RNA sequencing. Scientific Reports, 2019, 9, 9580.	1.6	46
17	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
18	Structuring laminar flows using annular magnetohydrodynamic actuation. Sensors and Actuators B: Chemical, 2003, 96, 190-199.	4.0	36

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19	Tau Misfolding Efficiently Propagates between Individual Intact Hippocampal Neurons. Journal of Neuroscience, 2019, 39, 9623-9632.	1.7	34
20	Micropatterning neuronal networks. Analyst, The, 2014, 139, 3256-3264.	1.7	31
21	An integrated model system to gain mechanistic insights into biofilm-associated antimicrobial resistance in Pseudomonas aeruginosa MPAO1. Npj Biofilms and Microbiomes, 2020, 6, 46.	2.9	31
22	Stem cell-like breast cancer cells with acquired resistance to metformin are sensitive to inhibitors of NADH-dependent CtBP dimerization. Carcinogenesis, 2019, 40, 871-882.	1.3	30
23	p53 is regulated by aerobic glycolysis in cancer cells by the CtBP family of NADH-dependent transcriptional regulators. Science Signaling, 2020, 13, .	1.6	28
24	Epidemiology and clinical impact of Pseudomonas aeruginosa infection in cystic fibrosis using AP-PCR fingerprinting. Journal of Infection, 1998, 37, 151-158.	1.7	26
25	Asymmetric confinement for defining outgrowth directionality. Lab on A Chip, 2019, 19, 1484-1489.	3.1	25
26	Genomic programming of IRF4-expressing human Langerhans cells. Nature Communications, 2020, 11, 313.	5.8	22
27	Silicon microstructure arrays for DNA extraction by solid phase sample contacting at high flow rates. Sensors and Actuators B: Chemical, 2007, 126, 664-671.	4.0	21
28	Lipid Nanotubule Fabrication by Microfluidic Tweezing. Langmuir, 2008, 24, 6754-6758.	1.6	20
29	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
30	Transfer learning efficiently maps bone marrow cell types from mouse to human using single-cell RNA sequencing. Communications Biology, 2020, 3, 736.	2.0	18
31	Thermal modelling of Ohmic heating microreactors. Microelectronics Journal, 2003, 34, 1137-1142.	1.1	14
32	Structured surface wetting of a PTFE flow-cell for terahertz spectroscopy of proteins. Sensors and Actuators B: Chemical, 2022, 352, 131003.	4.0	12
33	Massively parallel production of lipid microstructures. Lab on A Chip, 2008, 8, 1852.	3.1	10
34	Perpetual sedimentation for the continuous delivery of particulate suspensions. Lab on A Chip, 2019, 19, 3771-3775.	3.1	9
35	Resolving cellular systems by ultra-sensitive and economical single-cell transcriptome filtering. IScience, 2021, 24, 102147.	1.9	9
36	An IRF1-IRF4 Toggle-Switch Controls Tolerogenic and Immunogenic Transcriptional Programming in Human Langerhans Cells. Frontiers in Immunology, 2021, 12, 665312.	2.2	9

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37	Channel-free shear driven circular liquid chromatography. Lab on A Chip, 2008, 8, 1784.	3.1	7
38	Single platelet variability governs population sensitivity and initiates intrinsic heterotypic responses. Communications Biology, 2020, 3, 281.	2.0	7
39	Dual dean entrainment with volume ratio modulation for efficient droplet co-encapsulation: extreme single-cell indexing. Lab on A Chip, 2021, 21, 3378-3386.	3.1	7
40	Accessing DNA by low voltage alternating current Joule effect heating. Analytica Chimica Acta, 2004, 527, 1-12.	2.6	6
41	Serial integration of Dean-structured sample cores with linear inertial focussing for enhanced particle and cell sorting. Biomicrofluidics, 2018, 12, 044104.	1.2	6
42	Whole Cell Quenched Flow Analysis. Analytical Chemistry, 2013, 85, 11560-11567.	3.2	5
43	Preparation of Neuronal Co-cultures with Single Cell Precision. Journal of Visualized Experiments, 2014, , .	0.2	4
44	Minimalistic in vitro systems for investigating tau pathology. Journal of Neuroscience Methods, 2019, 319, 69-76.	1.3	3
45	Monolithically-integrated cytometer for measuring particle diameter in the extracellular vesicle size range using multi-angle scattering. Lab on A Chip, 2020, 20, 1267-1280.	3.1	2
46	Droplet Microfluidics with Reagent Micromixing for Investigating Intrinsic Platelet Functionality. Cellular and Molecular Bioengineering, 2021, 14, 223-230.	1.0	2
47	Emerging Technologies for Understanding Platelet Diversity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 540-552.	1.1	2
48	Force microscopy analysis using chemometric tools. Analytical and Bioanalytical Chemistry, 2008, 390, 1253-1260.	1.9	1
49	Co-culture of Murine Neurons Using a Microfluidic Device for The Study of Tau Misfolding Propagation. Bio-protocol, 2020, 10, e3718.	0.2	1
50	Comparison of optimized methodologies for isolating nuclei fromÂesophageal tissue. BioTechniques, 2022, 72, 104-109.	0.8	1
51	Toward a PCR-Independent Molecular Diagnosis of Veterinary and Medically Relevant Pathogenic Organisms. Annals of the New York Academy of Sciences, 2008, 1149, 391-393.	1.8	0
52	Wenig Gift â€" viel Kontakt. Nachrichten Aus Der Chemie, 2010, 58, 1049-1051.	0.0	0
53	190â€…Investigating Platelet Functional Heterogeneity Using Droplet Microfluidics. Heart, 2016, 102, A129.2-A130.	1.2	0
54	Bridging Two Cultures: Minimalistic Networks Prepared by Microfluidic Arraying, and Open Access Compartments for Electrophysiology. Neuromethods, 2015, , 39-56.	0.2	0

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55	An Optimized Method to Isolate Human Fibroblasts from Tissue for Ex Vivo Analysis. Bio-protocol, 2019, 9, e3440.	0.2	0