

Nancy L Allbritton

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155
papers

5,164
citations

35
h-index

67
g-index

191
ext. papers

5,829
ext. citations

7.7
avg, IF

5.65
L-index

#	Paper	IF	Citations
155	G protein-coupled receptor kinase 3 modulates mesenchymal stem cell proliferation and differentiation through sphingosine-1-phosphate receptor regulation.. <i>Stem Cell Research and Therapy</i> , 2022 , 13, 37	8.3	1
154	Biochemical and rheological analysis of human colonic culture mucus reveals similarity to gut mucus. <i>Biophysical Journal</i> , 2021 , 120, 5384-5394	2.9	0
153	Hyperglycemia minimally alters primary self-renewing human colonic epithelial cells while TNF α promotes severe intestinal epithelial dysfunction. <i>Integrative Biology (United Kingdom)</i> , 2021 , 13, 139-152	3.7	
152	Integrative microphysiological tissue systems of cancer metastasis to the liver. <i>Seminars in Cancer Biology</i> , 2021 , 71, 157-169	12.7	4
151	Image-Based Live Cell Sorting. <i>Trends in Biotechnology</i> , 2021 , 39, 613-623	15.1	9
150	In vitro generation of self-renewing human intestinal epithelia over planar and shaped collagen hydrogels. <i>Nature Protocols</i> , 2021 , 16, 352-382	18.8	9
149	A technology of a different sort: microraft arrays. <i>Lab on A Chip</i> , 2021 , 21, 3204-3218	7.2	0
148	Stem/Proliferative and Differentiated Cells within Primary Murine Colonic Epithelium Display Distinct Intracellular Free Ca Signal Codes. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2101318	10.1	
147	Magnetically-propelled fecal surrogates for modeling the impact of solid-induced shear forces on primary colonic epithelial cells. <i>Biomaterials</i> , 2021 , 276, 121059	15.6	0
146	Pooled CRISPR screens with imaging on microraft arrays reveals stress granule-regulatory factors. <i>Nature Methods</i> , 2020 , 17, 636-642	21.6	33
145	Decreased Colonic Activin Receptor-Like Kinase 1 Disrupts Epithelial Barrier Integrity in Patients With Crohn's Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020 , 10, 779-796	7.9	4
144	Automated platform for cell selection and separation based on four-dimensional motility and matrix degradation. <i>Analyst, The</i> , 2020 , 145, 2731-2742	5	3
143	Microraft array-based platform for sorting of viable microcolonies based on cell-lethal immunoassay of intracellular proteins in microcolony biopsies. <i>Analyst, The</i> , 2020 , 145, 2649-2660	5	2
142	Microphysiological System Design: Simplicity Is Elegance. <i>Current Opinion in Biomedical Engineering</i> , 2020 , 13, 94-102	4.4	12
141	Preserving Single Cells in Space and Time for Analytical Assays. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 122,	14.6	2
140	Assay and Isolation of Single Proliferating CD4+ Lymphocytes Using an Automated Microraft Array Platform. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 2166-2175	5	2
139	Silicon Photomultipliers as a Low-Cost Fluorescence Detector for Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2020 , 92, 13683-13687	7.8	4

138	Enterochromaffin Cell-Enriched Monolayer Platform for Assaying Serotonin Release from Human Primary Intestinal Cells. <i>Analytical Chemistry</i> , 2020 , 92, 12330-12337	7.8	4
137	Automated sensing and splitting of stem cell colonies on microarray arrays. <i>APL Bioengineering</i> , 2019 , 3, 036106	6.6	4
136	Molecular transport through primary human small intestinal monolayers by culture on a collagen scaffold with a gradient of chemical cross-linking. <i>Journal of Biological Engineering</i> , 2019 , 13, 36	6.3	15
135	Selection and optimization of enzyme reporters for chemical cytometry. <i>Methods in Enzymology</i> , 2019 , 622, 221-248	1.7	4
134	Evaluation of human primary intestinal monolayers for drug metabolizing capabilities. <i>Journal of Biological Engineering</i> , 2019 , 13, 82	6.3	11
133	Photopatterned Membranes and Chemical Gradients Enable Scalable Phenotypic Organization of Primary Human Colon Epithelial Models. <i>Analytical Chemistry</i> , 2019 , 91, 15240-15247	7.8	13
132	Design of an automated capillary electrophoresis platform for single-cell analysis. <i>Methods in Enzymology</i> , 2019 , 628, 191-221	1.7	4
131	"Fix and assay": separating in-cellulo sphingolipid reactions from analytical assay in time and space using an aldehyde-based fixative. <i>Analyst, The</i> , 2019 , 144, 961-971	5	5
130	Primary Cell-Derived Intestinal Models: Recapitulating Physiology. <i>Trends in Biotechnology</i> , 2019 , 37, 744-760	15.1	48
129	An in vitro intestinal platform with a self-sustaining oxygen gradient to study the human gut/microbiome interface. <i>Biofabrication</i> , 2019 , 12, 015006	10.5	33
128	Bioengineered Systems and Designer Matrices That Recapitulate the Intestinal Stem Cell Niche. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018 , 5, 440-453.e1	7.9	42
127	Design and Application of Sensors for Chemical Cytometry. <i>ACS Chemical Biology</i> , 2018 , 13, 1741-1751	4.9	7
126	Formation of Human Colonic Crypt Array by Application of Chemical Gradients Across a Shaped Epithelial Monolayer. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018 , 5, 113-130	7.9	85
125	Development of Arrayed Colonic Organoids for Screening of Secretagogues Associated with Enterotoxins. <i>Analytical Chemistry</i> , 2018 , 90, 1941-1950	7.8	18
124	LITE microscopy: Tilted light-sheet excitation of model organisms offers high resolution and low photobleaching. <i>Journal of Cell Biology</i> , 2018 , 217, 1869-1882	7.3	49
123	Characterization of Tensioned PDMS Membranes for Imaging Cytometry on Microarray Arrays. <i>Analytical Chemistry</i> , 2018 , 90, 4792-4800	7.8	10
122	Colonic epithelial miR-31 associates with the development of Crohn's phenotypes. <i>JCI Insight</i> , 2018 , 3,	9.9	8
121	Nonsteroidal Anti-Inflammatory Drug-Induced Leaky Gut Modeled Using Polarized Monolayers of Primary Human Intestinal Epithelial Cells. <i>ACS Infectious Diseases</i> , 2018 , 4, 46-52	5.5	29

120	A Monolayer of Primary Colonic Epithelium Generated on a Scaffold with a Gradient of Stiffness for Drug Transport Studies. <i>Analytical Chemistry</i> , 2018 , 90, 13331-13340	7.8	15
119	Analysis of Interleukin 8 Secretion by a Stem-Cell-Derived Human-Intestinal-Epithelial-Monolayer Platform. <i>Analytical Chemistry</i> , 2018 , 90, 11523-11530	7.8	18
118	A High-Throughput Organoid Microinjection Platform to Study Gastrointestinal Microbiota and Luminal Physiology. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018 , 6, 301-319	7.9	108
117	Formation of arrays of planar, murine, intestinal crypts possessing a stem/proliferative cell compartment and differentiated cell zone. <i>Lab on A Chip</i> , 2018 , 18, 2202-2213	7.2	14
116	A microengineered collagen scaffold for generating a polarized crypt-villus architecture of human small intestinal epithelium. <i>Biomaterials</i> , 2017 , 128, 44-55	15.6	186
115	Development of Hairpin Peptides for the Measurement of SCF-Family E3 Ligase Activity in Vitro via Ornithine Ubiquitination. <i>ACS Omega</i> , 2017 , 2, 1198-1206	3.9	2
114	Chemical fixation to arrest phospholipid signaling for chemical cytometry. <i>Journal of Chromatography A</i> , 2017 , 1523, 97-106	4.5	6
113	Self-renewing Monolayer of Primary Colonic or Rectal Epithelial Cells. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017 , 4, 165-182.e7	7.9	95
112	Automated microraft platform to identify and collect non-adherent cells successfully gene-edited with CRISPR-Cas9. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 175-182	11.8	14
111	Required hydrophobicity of fluorescent reporters for phosphatidylinositol family of lipid enzymes. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 6781-6789	4.4	2
110	Generation of Mouse Colon Crypts. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2502-2513	5.5	16
109	N-Gemini peptides: cytosolic protease resistance via N-terminal dimerization of unstructured peptides. <i>Chemical Communications</i> , 2017 , 54, 204-207	5.8	
108	Co-fabrication of chitosan and epoxy photoresist to form microwell arrays with permeable hydrogel bottoms. <i>Biomaterials</i> , 2016 , 74, 77-88	15.6	9
107	Identification of a p53-based portable degron based on the MDM2-p53 binding region. <i>Analyst, The</i> , 2016 , 141, 570-8	5	3
106	An Integrated Chemical Cytometry Method: Shining a Light on Akt Activity in Single Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13095-13098	16.4	17
105	Single Cell Chemical Cytometry of Akt Activity in Rheumatoid Arthritis and Normal Fibroblast-like Synoviocytes in Response to Tumor Necrosis Factor α . <i>Analytical Chemistry</i> , 2016 , 88, 7786-92	7.8	14
104	Identification and isolation of antigen-specific cytotoxic T lymphocytes with an automated microraft sorting system. <i>Integrative Biology (United Kingdom)</i> , 2016 , 8, 1208-1220	3.7	10
103	Development of a protease-resistant reporter to quantify BCR-ABL activity in intact cells. <i>Analyst, The</i> , 2016 , 141, 6008-6017	5	6

102	Single-cell functional analysis of parathyroid adenomas reveals distinct classes of calcium sensing behaviour in primary hyperparathyroidism. <i>Journal of Cellular and Molecular Medicine</i> , 2016 , 20, 351-9	5.6	10
101	Rational Design of a Dephosphorylation-Resistant Reporter Enables Single-Cell Measurement of Tyrosine Kinase Activity. <i>ACS Chemical Biology</i> , 2016 , 11, 355-62	4.9	13
100	In Vitro Polarization of Colonoids to Create an Intestinal Stem Cell Compartment. <i>PLoS ONE</i> , 2016 , 11, e0153795	3.7	15
99	Selective single cell isolation for genomics using microfluidic arrays. <i>Nucleic Acids Research</i> , 2016 , 44, 8292-301	3.1	21
98	Single-cell approaches for molecular classification of endocrine tumors. <i>Current Opinion in Oncology</i> , 2016 , 28, 43-9	4.2	2
97	An Integrated Chemical Cytometry Method: Shining a Light on Akt Activity in Single Cells. <i>Angewandte Chemie</i> , 2016 , 128, 13289-13292	3.6	2
96	Inflammasome-independent role of AIM2 in suppressing colon tumorigenesis via DNA-PK and Akt. <i>Nature Medicine</i> , 2015 , 21, 906-13	50.5	173
95	Analysis of sphingosine kinase activity in single natural killer cells from peripheral blood. <i>Integrative Biology (United Kingdom)</i> , 2015 , 7, 392-401	3.7	10
94	Separation of peptide fragments of a protein kinase C substrate fused to a hairpin by capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 8999-9008	4.4	5
93	Pronase E-Based Generation of Fluorescent Peptide Fragments: Tracking Intracellular Peptide Fate in Single Cells. <i>Analytical Chemistry</i> , 2015 , 87, 7987-95	7.8	10
92	Magnetic Alignment of Microelements Containing Cultured Neuronal Networks for High-Throughput Screening. <i>Journal of Biomolecular Screening</i> , 2015 , 20, 1091-100		3
91	Array-Based Platform To Select, Release, and Capture Epstein-Barr Virus-Infected Cells Based on Intercellular Adhesion. <i>Analytical Chemistry</i> , 2015 , 87, 12281-9	7.8	12
90	Optimizing Wnt-3a and R-spondin1 concentrations for stem cell renewal and differentiation in intestinal organoids using a gradient-forming microdevice. <i>RSC Advances</i> , 2015 , 5, 74881-74891	3.7	8
89	Transferable neuronal mini-cultures to accelerate screening in primary and induced pluripotent stem cell-derived neurons. <i>Scientific Reports</i> , 2015 , 5, 8353	4.9	23
88	A high-throughput platform for stem cell niche co-cultures and downstream gene expression analysis. <i>Nature Cell Biology</i> , 2015 , 17, 340-9	23.4	111
87	Micropallet arrays for the capture, isolation and culture of circulating tumor cells from whole blood of mice engrafted with primary human pancreatic adenocarcinoma. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 476-83	11.8	16
86	Response of single leukemic cells to peptidase inhibitor therapy across time and dose using a microfluidic device. <i>Integrative Biology (United Kingdom)</i> , 2014 , 6, 164-74	3.7	10
85	Dynamics and evolution of Eatenin-dependent Wnt signaling revealed through massively parallel clonogenic screening. <i>Integrative Biology (United Kingdom)</i> , 2014 , 6, 673-84	3.7	2

84	Fluorous enzymatic synthesis of phosphatidylinositides. <i>Chemical Communications</i> , 2014 , 50, 2928-31	5.8	4
83	Ex vivo chemical cytometric analysis of protein tyrosine phosphatase activity in single human airway epithelial cells. <i>Analytical Chemistry</i> , 2014 , 86, 1291-7	7.8	10
82	Measurement of protein kinase B activity in single primary human pancreatic cancer cells. <i>Analytical Chemistry</i> , 2014 , 86, 4573-80	7.8	27
81	Optimization of 3-D organotypic primary colonic cultures for organ-on-chip applications. <i>Journal of Biological Engineering</i> , 2014 , 8, 9	6.3	27
80	Single-cell sphingosine kinase activity measurements in primary leukemia. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 7027-36	4.4	14
79	Small sample sorting of primary adherent cells by automated micropallet imaging and release. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014 , 85, 642-9	4.6	6
78	In vitro generation of colonic epithelium from primary cells guided by microstructures. <i>Lab on A Chip</i> , 2014 , 14, 1622-31	7.2	43
77	Lipid pools as photolabile "protecting groups": design of light-activatable bioagents. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9936-9	16.4	8
76	Array of Biodegradable Microrafts for Isolation and Implantation of Living, Adherent Cells. <i>RSC Advances</i> , 2013 , 3, 9264-9272	3.7	12
75	Turn sequences promote stability of peptide substrates for kinases within the cytosolic environment. <i>Analyst, The</i> , 2013 , 138, 4305-11	5	11
74	Efficient division and sampling of cell colonies using microcup arrays. <i>Analyst, The</i> , 2013 , 138, 220-8	5	6
73	Laser-based directed release of array elements for efficient collection into targeted microwells. <i>Analyst, The</i> , 2013 , 138, 831-8	5	9
72	Micro total analysis systems: fundamental advances and applications in the laboratory, clinic, and field. <i>Analytical Chemistry</i> , 2013 , 85, 451-72	7.8	168
71	Automated capillary electrophoresis system for fast single-cell analysis. <i>Analytical Chemistry</i> , 2013 , 85, 4797-804	7.8	51
70	Measuring activity in the ubiquitin-proteasome system: from large scale discoveries to single cells analysis. <i>Cell Biochemistry and Biophysics</i> , 2013 , 67, 75-89	3.2	16
69	Measurement of protein tyrosine phosphatase activity in single cells by capillary electrophoresis. <i>Analytical Chemistry</i> , 2013 , 85, 6136-42	7.8	25
68	Capture and 3D culture of colonic crypts and colonoids in a microarray platform. <i>Lab on A Chip</i> , 2013 , 13, 4625-34	7.2	31
67	Microfluidic chemical cytometry of peptide degradation in single drug-treated acute myeloid leukemia cells. <i>Analytical Chemistry</i> , 2013 , 85, 4991-7	7.8	24

66	Isolation and in vitro culture of rare cancer stem cells from patient-derived xenografts of pancreatic ductal adenocarcinoma. <i>Analytical Chemistry</i> , 2013 , 85, 7271-8	7.8	10
65	Fabrication of 3D microstructures from interactions of immiscible liquids with a structured surface. <i>Advanced Materials</i> , 2013 , 25, 4107-12	24	10
64	Lipid Pools As Photolabile Protecting Groups—Design of Light-Activatable Bioagents. <i>Angewandte Chemie</i> , 2013 , 125, 10120-10123	3.6	4
63	A comparative analysis of the ubiquitination kinetics of multiple degrons to identify an ideal targeting sequence for a proteasome reporter. <i>PLoS ONE</i> , 2013 , 8, e78082	3.7	10
62	Trapping cells on a stretchable microwell array for single-cell analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 1065-72	4.4	41
61	Polystyrene-coated micropallets for culture and separation of primary muscle cells. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 1083-91	4.4	8
60	Dissolution-guided wetting for microarray and microfluidic devices. <i>Lab on A Chip</i> , 2012 , 12, 3036-9	7.2	9
59	Metabolism of peptide reporters in cell lysates and single cells. <i>Analyst, The</i> , 2012 , 137, 3028-38	5	23
58	Microfabricated arrays for splitting and assay of clonal colonies. <i>Analytical Chemistry</i> , 2012 , 84, 10614-207.8	7.8	5
57	Development of a peptidase-resistant substrate for single-cell measurement of protein kinase B activation. <i>Analytical Chemistry</i> , 2012 , 84, 7195-202	7.8	21
56	Separation of fluorescently labeled phosphoinositides and sphingolipids by capillary electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 907, 79-86	3.2	23
55	SRC kinase regulation in progressively invasive cancer. <i>PLoS ONE</i> , 2012 , 7, e48867	3.7	8
54	Micro total analysis systems for cell biology and biochemical assays. <i>Analytical Chemistry</i> , 2012 , 84, 516-408	7.8	218
53	Impact of release dynamics of laser-irradiated polymer micropallets on the viability of selected adherent cells. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 1156-67	4.1	6
52	An in vitro assay for clonogenic, high-throughput analysis of intestinal stem cells. <i>FASEB Journal</i> , 2012 , 26, 1160.1	0.9	3
51	Isolation and manipulation of living adherent cells by micromolded magnetic rafts. <i>Biomicrofluidics</i> , 2011 , 5, 32002-3200212	3.2	36
50	Continuous analysis of dye-loaded, single cells on a microfluidic chip. <i>Lab on A Chip</i> , 2011 , 11, 1333-41	7.2	35
49	Measuring enzyme activity in single cells. <i>Trends in Biotechnology</i> , 2011 , 29, 222-30	15.1	71

48	Sample transport and electrokinetic injection in a microchip device for chemical cytometry. <i>Electrophoresis</i> , 2011 , 32, 3180-7	3.6	8
47	Selection and separation of viable cells based on a cell-lethal assay. <i>Analytical Chemistry</i> , 2011 , 83, 278-83	3.8	4
46	Patterning pallet arrays for cell selection based on high-resolution measurements of fluorescent biosensors. <i>Analytica Chimica Acta</i> , 2011 , 696, 101-7	6.6	5
45	Microcup arrays for the efficient isolation and cloning of cells. <i>Analytical Chemistry</i> , 2010 , 82, 3161-7	7.8	16
44	Air-stable supported membranes for single-cell cytometry on PDMS microchips. <i>Lab on A Chip</i> , 2010 , 10, 864-70	7.2	8
43	Micromolded arrays for separation of adherent cells. <i>Lab on A Chip</i> , 2010 , 10, 2917-24	7.2	43
42	Microdevice to capture colon crypts for in vitro studies. <i>Lab on A Chip</i> , 2010 , 10, 1596-603	7.2	11
41	In situ roughening of polymeric microstructures. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1086-93	3.5	16
40	Contact printing of arrayed microstructures. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 3377-85	4.4	8
39	Microtable arrays for culture and isolation of cell colonies. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 2595-604	4.4	9
38	Microelectrophoresis platform for fast serial analysis of single cells. <i>Electrophoresis</i> , 2010 , 31, 2558-65	3.6	26
37	Transparent magnetic photoresists for bioanalytical applications. <i>Biomaterials</i> , 2010 , 31, 8810-7	15.6	46
36	Sorting and expansion of murine embryonic stem cell colonies using micropallet arrays. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009 , 75, 121-9	4.6	18
35	Enrichment and expansion of cells using antibody-coated micropallet arrays. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009 , 75, 609-18	4.6	8
34	Characterization and use of laser-based lysis for cell analysis on-chip. <i>Journal of the Royal Society Interface</i> , 2008 , 5 Suppl 2, S113-21	4.1	27
33	Chemical analysis of single cells. <i>Annual Review of Analytical Chemistry</i> , 2008 , 1, 191-227	12.5	93
32	Examination of laser microbeam cell lysis in a PDMS microfluidic channel using time-resolved imaging. <i>Lab on A Chip</i> , 2008 , 8, 408-14	7.2	82
31	Fast-lysis cell traps for chemical cytometry. <i>Lab on A Chip</i> , 2008 , 8, 710-6	7.2	21

30	Micropallet arrays with poly(ethylene glycol) walls. <i>Lab on A Chip</i> , 2008 , 8, 734-40	7.2	21
29	Determination of sphingosine kinase activity for cellular signaling studies. <i>Analytical Chemistry</i> , 2008 , 80, 1620-7	7.8	34
28	Mechanisms of pulsed laser microbeam release of SU-8 polymer "micropallets" for the collection and separation of adherent cells. <i>Analytical Chemistry</i> , 2008 , 80, 4675-9	7.8	19
27	Separations in poly(dimethylsiloxane) microchips coated with supported bilayer membranes. <i>Analytical Chemistry</i> , 2008 , 80, 9756-62	7.8	21
26	Characterization of the laser-based release of micropallets from arrays. <i>Journal of Biomedical Optics</i> , 2008 , 13, 034007	3.5	10
25	Use of micellar electrokinetic chromatography to measure palmitoylation of a peptide. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 875, 451-8	3.2	4
24	Stability of virtual air walls on micropallet arrays. <i>Analytical Chemistry</i> , 2007 , 79, 7104-9	7.8	11
23	Photoresist with low fluorescence for bioanalytical applications. <i>Analytical Chemistry</i> , 2007 , 79, 8774-80	7.8	89
22	Coaxial flow system for chemical cytometry. <i>Analytical Chemistry</i> , 2007 , 79, 9054-9	7.8	15
21	Myristoyl-based transport of peptides into living cells. <i>Biochemistry</i> , 2007 , 46, 14771-81	3.2	81
20	Analysis of single mammalian cells on-chip. <i>Lab on A Chip</i> , 2007 , 7, 423-40	7.2	347
19	Micropallet arrays for the separation of single, adherent cells. <i>Analytical Chemistry</i> , 2007 , 79, 682-7	7.8	84
18	Collection and expansion of single cells and colonies released from a micropallet array. <i>Analytical Chemistry</i> , 2007 , 79, 2359-66	7.8	49
17	Rapid sampling for single-cell analysis by capillary electrophoresis. <i>Methods in Cell Biology</i> , 2007 , 82, 709-22	1.8	10
16	Broadening cell selection criteria with micropallet arrays of adherent cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007 , 71, 866-74	4.6	27
15	Choosing one from the many: selection and sorting strategies for single adherent cells. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 5-8	4.4	15
14	Micropatterning of living cells on a heterogeneously wetted surface. <i>Langmuir</i> , 2006 , 22, 8257-62	4	90
13	Simple photografting method to chemically modify and micropattern the surface of SU-8 photoresist. <i>Langmuir</i> , 2006 , 22, 2719-25	4	76

12	A quantitative single-cell assay for protein kinase B reveals important insights into the biochemical behavior of an intracellular substrate peptide. <i>Biochemistry</i> , 2004 , 43, 1599-608	3.2	38
11	Tailoring the surface properties of poly(dimethylsiloxane) microfluidic devices. <i>Langmuir</i> , 2004 , 20, 5569-74	7.4	83
10	Cross-linked coatings for electrophoretic separations in poly(dimethylsiloxane) microchannels. <i>Electrophoresis</i> , 2003 , 24, 3679-88	3.6	73
9	Microfluidic devices for the high-throughput chemical analysis of cells. <i>Analytical Chemistry</i> , 2003 , 75, 5646-55	7.8	309
8	Surface modification of poly(dimethylsiloxane) microfluidic devices by ultraviolet polymer grafting. <i>Analytical Chemistry</i> , 2002 , 74, 4117-23	7.8	359
7	Improved capillary electrophoresis conditions for the separation of kinase substrates by the laser micropipet system. <i>Biomedical Applications</i> , 2001 , 757, 79-88		19
6	Spatial control of cellular measurements with the laser micropipet. <i>Analytical Chemistry</i> , 2001 , 73, 4625-31	7.8	49
5	Measurement of kinase activation in single mammalian cells. <i>Nature Biotechnology</i> , 2000 , 18, 309-12	44.5	118
4	Localized measurement of kinase activation in oocytes of <i>Xenopus laevis</i> . <i>Nature Biotechnology</i> , 1999 , 17, 759-62	44.5	35
3	Laser-micropipet combination for single-cell analysis. <i>Analytical Chemistry</i> , 1998 , 70, 4570-7	7.8	113
2	Localized sampling of cytoplasm from <i>Xenopus</i> oocytes for capillary electrophoresis. <i>Analytical Chemistry</i> , 1997 , 69, 4761-7	7.8	23
1	Magnetically-Propelled Fecal Surrogates for Modeling the Impact of Solid-Induced Shear Forces on Primary Colonic Epithelial Cells		1