

Lidong Qin

List of Publications by Year in descending order

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54
papers

3,276
citations

186265
28
h-index

155660
55
g-index

57
all docs

57
docs citations

57
times ranked

4743
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Microfluidic Platforms for Programming Cell-Based Living Materials. <i>Advanced Materials</i> , 2021, 33, e2005944.	21.0	26
2	Microfluidic Cell Trap Arrays for Single Hematopoietic Stem/Progenitor Cell Behavior Analysis. <i>Proteomics</i> , 2020, 20, e1900223.	2.2	8
3	Microfluidics-Based Single-Cell Protrusion Analysis for Screening Drugs Targeting Subcellular Mitochondrial Trafficking in Cancer Progression. <i>Analytical Chemistry</i> , 2020, 92, 3095-3102.	6.5	14
4	Evaluation of Single-Cell Cytokine Secretion and Cell-Cell Interactions with a Hierarchical Loading Microwell Chip. <i>Cell Reports</i> , 2020, 31, 107574.	6.4	50
5	Cellular response to moderate chromatin architectural defects promotes longevity. <i>Science Advances</i> , 2019, 5, eaav1165.	10.3	14
6	Frontispiece: High-Throughput Isolation of Cell Protrusions with Single-Cell Precision for Profiling Subcellular Gene Expression. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	13.8	0
7	CRISPR-Cas12a Coupled with Platinum Nanoreporter for Visual Quantification of SNVs on a Volumetric Bar-Chart Chip. <i>Analytical Chemistry</i> , 2019, 91, 12384-12391.	6.5	102
8	High-Throughput Isolation of Cell Protrusions with Single-Cell Precision for Profiling Subcellular Gene Expression. <i>Angewandte Chemie</i> , 2019, 131, 13838-13843.	2.0	6
9	High-Throughput Isolation of Cell Protrusions with Single-Cell Precision for Profiling Subcellular Gene Expression. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13700-13705.	13.8	21
10	Frontispiz: High-Throughput Isolation of Cell Protrusions with Single-Cell Precision for Profiling Subcellular Gene Expression. <i>Angewandte Chemie</i> , 2019, 131, .	2.0	0
11	Biochips—New Platforms for Cell-Based Immunological Assays. <i>Small Methods</i> , 2018, 2, 1700254.	8.6	9
12	Integrated Microfluidic Chip for Efficient Isolation and Deformability Analysis of Circulating Tumor Cells. <i>Advanced Biology</i> , 2018, 2, 1800200.	3.0	21
13	Analysis of the bystander effect in cone photoreceptors via a guided neural network platform. <i>Science Advances</i> , 2018, 4, eaas9274.	10.3	12
14	Bridging the gap: microfluidic devices for short and long distance cell-cell communication. <i>Lab on A Chip</i> , 2017, 17, 1009-1023.	6.0	49
15	Cas9 Ribonucleoprotein Delivery via Microfluidic Cell-Deformation Chip for Human T-Cell Genome Editing and Immunotherapy. <i>Advanced Biology</i> , 2017, 1, e1600007.	3.0	36
16	Volumetric Bar-Chart Chips for Biosensing. <i>Methods in Molecular Biology</i> , 2017, 1570, 105-115.	0.9	6
17	Highly efficient genome editing of human hematopoietic stem cells via a nano-silicon-blade delivery approach. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 548-554.	1.3	23
18	Integrated Microfluidic System for Gene Silencing and Cell Migration. <i>Advanced Biology</i> , 2017, 1, 1700054.	3.0	13

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19	Microfluidic Mapping of Cancer Cellâ€‘Protein Binding Interaction. ACS Applied Materials & Interfaces, 2017, 9, 22143-22148.	8.0	6
20	Microfluidics Cell Loadingâ€‘Dock System: Ordered Cellular Array for Dynamic Lymphocyteâ€‘Communication Study. Advanced Biology, 2017, 1, e1700085.	3.0	27
21	Fast, Sensitive, and Quantitative Point-of-Care Platform for the Assessment of Drugs of Abuse in Urine, Serum, and Whole Blood. Analytical Chemistry, 2017, 89, 8273-8281.	6.5	28
22	Microfluidic Cell Deformability Assay for Rapid and Efficient Kinase Screening with the CRISPRâ€‘Cas9 System. Angewandte Chemie, 2016, 128, 8703-8707.	2.0	6
23	Microfluidic Cell Deformability Assay for Rapid and Efficient Kinase Screening with the CRISPRâ€‘Cas9 System. Angewandte Chemie - International Edition, 2016, 55, 8561-8565.	13.8	26
24	Microfluidic Platforms for Yeastâ€‘Based Aging Studies. Small, 2016, 12, 5787-5801.	10.0	14
25	Single-cell isolation by a modular single-cell pipette for RNA-sequencing. Lab on A Chip, 2016, 16, 4742-4748.	6.0	38
26	Integrative volumetric bar-chart chip for rapid and quantitative point-of-care detection of myocardial infarction biomarkers. Lab on A Chip, 2016, 16, 2955-2962.	6.0	30
27	Recent Progress of Microfluidics in Translational Applications. Advanced Healthcare Materials, 2016, 5, 871-888.	7.6	30
28	Nanoporous Glass Integrated in Volumetric Bar-Chart Chip for Point-of-Care Diagnostics of Non-Small Cell Lung Cancer. ACS Nano, 2016, 10, 1640-1647.	14.6	67
29	Retinal synaptic regeneration via microfluidic guiding channels. Scientific Reports, 2015, 5, 13591.	3.3	22
30	Microfluidic cytometric analysis of cancer cell transportability and invasiveness. Scientific Reports, 2015, 5, 14272.	3.3	48
31	Highâ€‘Throughput, Labelâ€‘Free Isolation of Cancer Stem Cells on the Basis of Cell Adhesion Capacity. Angewandte Chemie - International Edition, 2015, 54, 10838-10842.	13.8	33
32	Recruited metastasis suppressor NM23-H2 attenuates expression and activity of peroxisome proliferator-activated receptor Î´ (PPARÎ´) in human cholangiocarcinoma. Digestive and Liver Disease, 2015, 47, 62-67.	0.9	6
33	High-throughput analysis of yeast replicative aging using a microfluidic system. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9364-9369.	7.1	141
34	A microfluidic platform with digital readout and ultra-low detection limit for quantitative point-of-care diagnostics. Lab on A Chip, 2015, 15, 3300-3306.	6.0	44
35	Utilizing a high-throughput microfluidic platform to study hypoxia-driven mesenchymal-mode cell migration. Integrative Biology (United Kingdom), 2015, 7, 672-680.	1.3	20
36	Competitive Volumetric Bar-Chart Chip with Real-Time Internal Control for Point-of-Care Diagnostics. Analytical Chemistry, 2015, 87, 3771-3777.	6.5	36

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37	CRISPR-Cas9 delivery to hard-to-transfect cells via membrane deformation. <i>Science Advances</i> , 2015, 1, e1500454.	10.3	190
38	Imaging of Cell-Cell Communication in a Vertical Orientation Reveals High-Resolution Structure of Immunological Synapse and Novel PD-1 Dynamics. <i>Journal of Immunology</i> , 2015, 195, 1320-1330.	0.8	49
39	Human Equilibrative Nucleoside Transporter-1 Knockdown Tunes Cellular Mechanics through Epithelial-Mesenchymal Transition in Pancreatic Cancer Cells. <i>PLoS ONE</i> , 2014, 9, e107973.	2.5	14
40	Integration of Platinum Nanoparticles with a Volumetric Bar-Chart Chip for Biomarker Assays. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12451-12455.	13.8	73
41	Point-of-care technologies for molecular diagnostics using a drop of blood. <i>Trends in Biotechnology</i> , 2014, 32, 132-139.	9.3	192
42	Mesenchymal-Mode Migration Assay and Antimetastatic Drug Screening with High-Throughput Microfluidic Channel Networks. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2344-2348.	13.8	57
43	Block-Cell-Printing for live single-cell printing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2948-2953.	7.1	122
44	High-Throughput 3D Cell Invasion Chip Enables Accurate Cancer Metastatic Assays. <i>Journal of the American Chemical Society</i> , 2014, 136, 15257-15262.	13.7	37
45	Hand-Held and Integrated Single-Cell Pipettes. <i>Journal of the American Chemical Society</i> , 2014, 136, 10858-10861.	13.7	57
46	A Multistage Volumetric Bar Chart Chip for Visualized Quantification of DNA. <i>Journal of the American Chemical Society</i> , 2013, 135, 16785-16788.	13.7	84
47	Hypoxia induces a phase transition within a kinase signaling network in cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1352-60.	7.1	61
48	A Brief Review of the Biophysical Hallmarks of Metastatic Cancer Cells. <i>Cancer Hallmarks</i> , 2013, 1, 59-66.	0.8	19
49	Single-cell proteomic chip for profiling intracellular signaling pathways in single tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 419-424.	7.1	300
50	Multiplexed volumetric bar-chart chip for point-of-care diagnostics. <i>Nature Communications</i> , 2012, 3, 1283.	12.8	192
51	A Photoconductive, Thiophene-Fullerene Double-Cable Polymer, Nanorod Device. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 478-481.	4.6	9
52	Microfluidics separation reveals the stem-cell-like deformability of tumor-initiating cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18707-18712.	7.1	186
53	Self-powered microfluidic chips for multiplexed protein assays from whole blood. <i>Lab on A Chip</i> , 2009, 9, 2016.	6.0	69
54	Integrated barcode chips for rapid, multiplexed analysis of proteins in microliter quantities of blood. <i>Nature Biotechnology</i> , 2008, 26, 1373-1378.	17.5	507