

# Yanyi Huang

## List of Publications by Year in descending order

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164  
papers

9,755  
citations

36303

51  
h-index

40979

93  
g-index

184  
all docs

184  
docs citations

184  
times ranked

14448  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput screening of a CRISPR/Cas9 library for functional genomics in human cells. <i>Nature</i> , 2014, 509, 487-491.	27.8	648
2	Highly sensitive fiber Bragg grating refractive index sensors. <i>Applied Physics Letters</i> , 2005, 86, 151122.	3.3	552
3	Single-cell triple omics sequencing reveals genetic, epigenetic, and transcriptomic heterogeneity in hepatocellular carcinomas. <i>Cell Research</i> , 2016, 26, 304-319.	12.0	492
4	Matrix analysis of microring coupled-resonator optical waveguides. <i>Optics Express</i> , 2004, 12, 90.	3.4	386
5	Single-cell RNA-seq transcriptome analysis of linear and circular RNAs in mouse preimplantation embryos. <i>Genome Biology</i> , 2015, 16, 148.	9.6	369
6	Comparative Analysis of Droplet-Based Ultra-High-Throughput Single-Cell RNA-Seq Systems. <i>Molecular Cell</i> , 2019, 73, 130-142.e5.	9.7	283
7	Fabrication of functional microstructured optical fibers through a selective-filling technique. <i>Applied Physics Letters</i> , 2004, 85, 5182-5184.	3.3	281
8	Microfluidic single-cell whole-transcriptome sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7048-7053.	7.1	259
9	Active droplet sorting in microfluidics: a review. <i>Lab on A Chip</i> , 2017, 17, 751-771.	6.0	250
10	Chemoproteomics reveals baicalin activates hepatic CPT1 to ameliorate diet-induced obesity and hepatic steatosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5896-E5905.	7.1	201
11	Uniform and accurate single-cell sequencing based on emulsion whole-genome amplification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11923-11928.	7.1	191
12	Cold-chain food contamination as the possible origin of COVID-19 resurgence in Beijing. <i>National Science Review</i> , 2020, 7, 1861-1864.	9.5	175
13	Genome-wide functional screening of miR-23b as a pleiotropic modulator suppressing cancer metastasis. <i>Nature Communications</i> , 2011, 2, 554.	12.8	172
14	Live-Cell Stimulated Raman Scattering Imaging of Alkyne-Tagged Biomolecules. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5827-5831.	13.8	169
15	Chip in a lab: Microfluidics for next generation life science research. <i>Biomicrofluidics</i> , 2013, 7, 11302.	2.4	142
16	Tracing the expression of circular RNAs in human pre-implantation embryos. <i>Genome Biology</i> , 2016, 17, 130.	8.8	140
17	Centrifugal micro-channel array droplet generation for highly parallel digital PCR. <i>Lab on A Chip</i> , 2017, 17, 235-240.	6.0	136
18	Piezoelectric Potential Gated Field-Effect Transistor Based on a Free-Standing ZnO Wire. <i>Nano Letters</i> , 2009, 9, 3435-3439.	9.1	132

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19	Lipid nanoparticle-mediated efficient delivery of CRISPR/Cas9 for tumor therapy. <i>NPG Asia Materials</i> , 2017, 9, e441-e441.	7.9	132
20	Substituent and solvent effects on photoexcited states of functionalized fullerene[60]. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 527-532.	1.7	129
21	Measuring Rapid Enzymatic Kinetics by Electrochemical Method in Droplet-Based Microfluidic Devices with Pneumatic Valves. <i>Analytical Chemistry</i> , 2009, 81, 5840-5845.	6.5	128
22	Upregulation of MG53 Induces Diabetic Cardiomyopathy Through Transcriptional Activation of Peroxisome Proliferation-Activated Receptor $\alpha$ . <i>Circulation</i> , 2015, 131, 795-804.	1.6	120
23	Fabrication and Replication of Polymer Integrated Optical Devices Using Electron-Beam Lithography and Soft Lithography. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8606-8613.	2.6	115
24	Ultra-large bandwidth hollow-core guiding in all-silica Bragg fibers with nano-supports. <i>Optics Express</i> , 2004, 12, 3500.	3.4	115
25	Genome-scale detection of hypermethylated CpG islands in circulating cell-free DNA of hepatocellular carcinoma patients. <i>Cell Research</i> , 2015, 25, 1250-1264.	12.0	110
26	A body map of somatic mutagenesis in morphologically normal human tissues. <i>Nature</i> , 2021, 597, 398-403.	27.8	107
27	The Effect of Different Neutral Ligands on Photoluminescence and Electroluminescence Properties of Ternary Terbium Complexes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10796-10800.	2.6	103
28	A Facile Method for Permanent and Functional Surface Modification of Poly(dimethylsiloxane). <i>Journal of the American Chemical Society</i> , 2007, 129, 7226-7227.	13.7	101
29	Solvent resistant microfluidic DNA synthesizer. <i>Lab on A Chip</i> , 2007, 7, 24-26.	6.0	99
30	Photophysical Studies on the Mono- and Dichromophoric Hemicyanine Dyes II. Solvent Effects and Dynamic Fluorescence Spectra Study in Chloroform and in LB Films. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10031-10040.	2.6	98
31	Single-Cell Transcriptional Analysis. <i>Annual Review of Analytical Chemistry</i> , 2017, 10, 439-462.	5.4	93
32	WormFarm: a quantitative control and measurement device toward automated <i>Caenorhabditis elegans</i> aging analysis. <i>Aging Cell</i> , 2013, 12, 398-409.	6.7	90
33	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2021, 64, 171-203.	8.2	88
34	RNA sequencing by direct tagmentation of RNA/DNA hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2886-2893.	7.1	86
35	Digital Polymerase Chain Reaction in an Array of Femtoliter Polydimethylsiloxane Microreactors. <i>Analytical Chemistry</i> , 2012, 84, 4262-4266.	6.5	83
36	Squeeze-chip: a finger-controlled microfluidic flow network device and its application to biochemical assays. <i>Lab on A Chip</i> , 2012, 12, 1587.	6.0	83

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37	Selection of DNA-Encoded Small Molecule Libraries Against Unmodified and Non-Immobilized Protein Targets. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10056-10059.	13.8	83
38	Microfluidics for biological measurements with single-molecule resolution. <i>Current Opinion in Biotechnology</i> , 2014, 25, 69-77.	6.6	83
39	Conjugated Polymer with Intrinsic Alkyne Units for Synergistically Enhanced Raman Imaging in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13455-13458.	13.8	78
40	Polymeric Mach-Zehnder interferometer using serially coupled microring resonators. <i>Optics Express</i> , 2003, 11, 2666.	3.4	75
41	Replica-molded electro-optic polymer Mach-Zehnder modulator. <i>Applied Physics Letters</i> , 2004, 85, 1662-1664.	3.3	72
42	Quantitative Study of the Dynamic Tumor-Endothelial Cell Interactions through an Integrated Microfluidic Coculture System. <i>Analytical Chemistry</i> , 2012, 84, 2088-2093.	6.5	68
43	Microfluidic Whole Genome Amplification Device for Single Cell Sequencing. <i>Analytical Chemistry</i> , 2014, 86, 9386-9390.	6.5	62
44	Photosensitization of ITO and nanocrystalline TiO <sub>2</sub> electrode with a hemicyanine derivative. <i>Synthetic Metals</i> , 2000, 114, 201-207.	3.9	60
45	Enhanced Energy Conversion Efficiency of the Sr <sup>2+</sup> -Modified Nanoporous TiO <sub>2</sub> Electrode Sensitized with a Ruthenium Complex. <i>Chemistry of Materials</i> , 2002, 14, 1500-1504.	6.7	60
46	Design, preparation, and selection of DNA-encoded dynamic libraries. <i>Chemical Science</i> , 2015, 6, 7097-7104.	7.4	60
47	Soft Lithography Replica Molding of Critically Coupled Polymer Microring Resonators. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 2496-2498.	2.5	59
48	Soft lithography replication of polymeric microring optical resonators. <i>Optics Express</i> , 2003, 11, 2452.	3.4	56
49	Transmission characteristics of a Fabry-Perot etalon-microtoroid resonator coupled system. <i>Optics Letters</i> , 2006, 31, 510.	3.3	56
50	Imaging without Fluorescence: Nonlinear Optical Microscopy for Quantitative Cellular Imaging. <i>Analytical Chemistry</i> , 2014, 86, 8506-8513.	6.5	56
51	Discretely tunable optofluidic compound microlenses. <i>Lab on A Chip</i> , 2011, 11, 2835.	6.0	55
52	Photophysical Studies on the Mono- and Dichromophoric Hemicyanine Dyes III. Ultrafast Fluorescence Up-conversion in Methanol: A Twisting Intramolecular Charge Transfer and a Two-State Three-Mode Model. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10041-10050.	2.6	48
53	Investigation of the Photoelectrochemistry of C <sub>60</sub> and Its Pyrrolidine Derivatives by Monolayer-Modified SnO <sub>2</sub> Electrodes. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16685-16689.	2.9	47
54	High-throughput immunoassay through in-channel microfluidic patterning. <i>Lab on A Chip</i> , 2012, 12, 2487.	6.0	47

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55	Label-Free Digital Quantification of Lipid Droplets in Single Cells by Stimulated Raman Microscopy on a Microfluidic Platform. <i>Analytical Chemistry</i> , 2016, 88, 4931-4939.	6.5	47
56	Dynamics of the Upper Respiratory Tract Microbiota and Its Association with Mortality in COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1379-1390.	5.6	46
57	A compact optofluidic cytometer with integrated liquid-core/PDMS-cladding waveguides. <i>Lab on A Chip</i> , 2012, 12, 3700.	6.0	43
58	Photophysical Studies on the Mono- and Dichromophoric Hemicyanine Dyes I. Photoelectric Conversion from the Dye Modified ITO Electrodes. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10020-10030.	2.6	42
59	Large and ultrafast third-order optical nonlinearity of heteroleptic triple-decker (phthalocyaninato)(porphyrinato)Sm(III) complexes. <i>Chemical Physics Letters</i> , 2003, 374, 639-644.	2.6	41
60	A chip-to-chip nanoliter microfluidic dispenser. <i>Lab on A Chip</i> , 2009, 9, 1831.	6.0	38
61	Two-step fitness selection for intra-host variations in SARS-CoV-2. <i>Cell Reports</i> , 2022, 38, 110205.	6.4	38
62	Wide-range tuning of polymer microring resonators by the photobleaching of CLD-1 chromophores. <i>Optics Letters</i> , 2004, 29, 2584.	3.3	35
63	Remodeling of Mitochondrial Flashes in Muscular Development and Dystrophy in Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0132567.	2.5	35
64	A valve-less microfluidic peristaltic pumping method. <i>Biomicrofluidics</i> , 2015, 9, 014118.	2.4	35
65	Recent Developments in Single-Cell RNA-Seq of Microorganisms. <i>Biophysical Journal</i> , 2018, 115, 173-180.	0.5	35
66	High-throughput single-cell whole-genome amplification through centrifugal emulsification and eMDA. <i>Communications Biology</i> , 2019, 2, 147.	4.4	35
67	Free-standing all-polymer microring resonator optical filter. <i>Electronics Letters</i> , 2003, 39, 1650.	1.0	34
68	Investigation of the interactions between silver nanoparticles and Hela cells by scanning electrochemical microscopy. <i>Analyst</i> , The, 2008, 133, 1221.	3.5	34
69	Enhancing KDM5A and TLR activity improves the response to immune checkpoint blockade. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	34
70	Integrated microfluidic variable optical attenuator. <i>Optics Express</i> , 2005, 13, 9916.	3.4	33
71	Lanthanide Cerium(III) Tris(pyrazolyl)borate Complexes: Efficient Blue Emitters for Doublet Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 45686-45695.	8.0	33
72	Spinning micropipette liquid emulsion generator for single cell whole genome amplification. <i>Lab on A Chip</i> , 2016, 16, 4512-4516.	6.0	31

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73	A DNA-templated synthesis of encoded small molecules by DNA self-assembly. <i>Chemical Communications</i> , 2014, 50, 10997-10999.	4.1	30
74	Photoelectric Generation and Second-Order Nonlinear Optical Characters of the Dichromophore Dye Molecules. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7130-7134.	2.6	29
75	How deep is enough in single-cell RNA-seq?. <i>Nature Biotechnology</i> , 2014, 32, 1005-1006.	17.5	29
76	Highly accurate fluorogenic DNA sequencing with information theory-based error correction. <i>Nature Biotechnology</i> , 2017, 35, 1170-1178.	17.5	28
77	Three-dimensional digital PCR through light-sheet imaging of optically cleared emulsion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25628-25633.	7.1	28
78	Mie scattering analysis of spherical Bragg "onion" resonators. <i>Optics Express</i> , 2004, 12, 657.	3.4	27
79	High dynamic range optical projection tomography (HDR-OPT). <i>Optics Express</i> , 2012, 20, 8824.	3.4	26
80	Label-free chemical imaging in vivo: three-dimensional non-invasive microscopic observation of amphioxus notochord through stimulated Raman scattering (SRS). <i>Chemical Science</i> , 2012, 3, 2646.	7.4	26
81	Optical imaging of non-fluorescent nanodiamonds in live cells using transient absorption microscopy. <i>Nanoscale</i> , 2013, 5, 4701.	5.6	26
82	Genomic surveillance of COVID-19 cases in Beijing. <i>Nature Communications</i> , 2020, 11, 5503.	12.8	26
83	Anomalous heavy atom effect on optical limiting property of homoleptic double-decked sandwich-type lanthanide diphthalocyanines. <i>Optics Communications</i> , 2001, 197, 83-87.	2.1	25
84	An integrated chip for immunofluorescence and its application to analyze lysosomal storage disorders. <i>Lab on A Chip</i> , 2012, 12, 317-324.	6.0	25
85	Single Cell Total RNA Sequencing through Isothermal Amplification in Picoliter-Droplet Emulsion. <i>Analytical Chemistry</i> , 2016, 88, 10795-10799.	6.5	25
86	Identification of kinship and occupant status in Mongolian noble burials of the Yuan Dynasty through a multidisciplinary approach. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130378.	4.0	22
87	Microcavity Effect from a Novel Terbium Complex Langmuir-Blodgett Film. <i>Advanced Materials</i> , 1999, 11, 627-629.	21.0	21
88	Investigation of Polymer-Cushioned Phospholipid Bilayers in the Solid Phase by Atomic Force Microscopy. <i>Langmuir</i> , 2001, 17, 4074-4080.	3.5	21
89	Spiro-oxazine photochromic fiber optical switch. <i>Applied Physics Letters</i> , 2006, 88, 181102.	3.3	20
90	Single-cell RNA sequencing reveals chemokine self-feeding of myeloma cells promotes extramedullary metastasis. <i>FEBS Letters</i> , 2020, 594, 452-465.	2.8	20

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91	Long-read individual-molecule sequencing reveals CRISPR-induced genetic heterogeneity in human ESCs. <i>Genome Biology</i> , 2020, 21, 213.	8.8	20
92	H3K4me3 epigenomic landscape derived from ChIP-Seq of 1 000 mouse early embryonic cells. <i>Cell Research</i> , 2015, 25, 143-147.	12.0	19
93	Digital PCR: Endless Frontier of “Divide and Conquer”™. <i>Micromachines</i> , 2017, 8, 231.	2.9	19
94	Transient absorption microscopy of gold nanorods as spectrally orthogonal labels in live cells. <i>Nanoscale</i> , 2014, 6, 10536-10539.	5.6	18
95	Soft lithography molding of polymer integrated optical devices: Reduction of the background residue. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004, 22, 1764.	1.6	17
96	Polymeric multi-channel bandpass filters in phase-shifted Bragg waveguide gratings by direct electron beam writing. <i>Optics Express</i> , 2004, 12, 6372.	3.4	17
97	Selection of DNA-Encoded Small Molecule Libraries Against Unmodified and Non-Immobilized Protein Targets. <i>Angewandte Chemie</i> , 2014, 126, 10220-10223.	2.0	17
98	Microfluidic Device for Studying Controllable Hydrodynamic Flow Induced Cellular Responses. <i>Analytical Chemistry</i> , 2017, 89, 3710-3715.	6.5	17
99	Rare Earth Complexes with 5d <sup>4</sup> f Transition: New Emitters in Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2686-2694.	4.6	17
100	Demonstration of Flexible Freestanding All-Polymer Integrated Optical Ring Resonator Devices. <i>Advanced Materials</i> , 2004, 16, 44-48.	21.0	16
101	Live cell imaging analysis of the epigenetic regulation of the human endothelial cell migration at single-cell resolution. <i>Lab on A Chip</i> , 2012, 12, 3063.	6.0	16
102	Bottom-up soft-lithographic fabrication of three-dimensional multilayer polymer integrated optical microdevices. <i>Applied Physics Letters</i> , 2004, 85, 3005-3007.	3.3	15
103	Openly Accessible Microfluidic Liquid Handlers for Automated High-Throughput Nanoliter Cell Culture. <i>Analytical Chemistry</i> , 2012, 84, 2576-2584.	6.5	15
104	Liposomes Physically Coated with Peptides: Preparation and Characterization. <i>Langmuir</i> , 2014, 30, 6219-6227.	3.5	14
105	Development of a Microfluidic Droplet-Based Microbioreactor for Microbial Cultivation. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3630-3637.	5.2	14
106	Langmuir-Blodgett Film Formation of a Fullerene Dicarboxylic Acid Derivative C60(HOOCCHNHCHCOOH) and its Photocurrent Generation. <i>Journal of Colloid and Interface Science</i> , 1998, 204, 277-283.	9.4	13
107	An integrated microfluidic device for long-term culture of isolated single mammalian cells. <i>Science China Chemistry</i> , 2012, 55, 502-507.	8.2	13
108	Fish in chips: an automated microfluidic device to study drug dynamics in vivo using zebrafish embryos. <i>Chemical Communications</i> , 2014, 50, 981-984.	4.1	13

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109	MINERVA: A Facile Strategy for SARS-CoV-2 Whole-Genome Deep Sequencing of Clinical Samples. <i>Molecular Cell</i> , 2020, 80, 1123-1134.e4.	9.7	13
110	A high-throughput imaging system to quantitatively analyze the growth dynamics of plant seedlings. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 945.	1.3	12
111	Effect of peripheral ligands on the optical limiting property of homoleptic sandwich-type rare earth metal diphthalocyanines. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 75, 497-500.	2.3	10
112	Integration of a multimode interference coupler with a corrugated sidewall Bragg grating in planar polymer waveguides. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 740-742.	2.5	10
113	Conjugated Polymer with Intrinsic Alkyne Units for Synergistically Enhanced Raman Imaging in Living Cells. <i>Angewandte Chemie</i> , 2017, 129, 13640-13643.	2.0	10
114	Surfactant and oil formulations for monodisperse droplet emulsion PCR. <i>Lab on A Chip</i> , 2020, 20, 2328-2333.	6.0	10
115	Aggregation and Self-Organization of a Chromophore-Labeled Double-Chain Amphiphile. <i>Langmuir</i> , 2000, 16, 3651-3659.	3.5	9
116	Modification of spontaneous emission in Bragg onion resonators. <i>Optics Express</i> , 2006, 14, 7398.	3.4	9
117	Fluorogenic Sequencing Using Halogen-Fluorescein-Labeled Nucleotides. <i>ChemBioChem</i> , 2015, 16, 1153-1157.	2.6	9
118	Label-Free Transient Absorption Microscopy for Red Blood Cell Flow Velocity Measurement <i>in Vivo</i> . <i>Analytical Chemistry</i> , 2017, 89, 10120-10123.	6.5	9
119	Reconstruction of Dynamic and Reversible Color Change using Reflectin Protein. <i>Scientific Reports</i> , 2019, 9, 5201.	3.3	9
120	Interfacial Nano-injection-Based Nanoliter Single-Cell Analysis. <i>Small</i> , 2020, 16, e1903739.	10.0	9
121	Computational Identification of Preneoplastic Cells Displaying High Stemness and Risk of Cancer Progression. <i>Cancer Research</i> , 2022, 82, 2520-2537.	0.9	9
122	Combined electromagnetic and photoreaction modeling of CLD-1 photobleaching in polymer microring resonators. <i>Applied Physics Letters</i> , 2005, 87, 071108.	3.3	8
123	Chemical approaches for mimicking logic functions within fluorescent MPT dyes. <i>Science in China Series B: Chemistry</i> , 2009, 52, 700-714.	0.8	8
124	MR-seq: measuring a single cell's transcriptome repeatedly by RNA-seq. <i>Science Bulletin</i> , 2017, 62, 391-398.	9.0	8
125	Tagmentation on Microbeads: Restore Long-Range DNA Sequence Information Using Next Generation Sequencing with Library Prepared by Surface-Immobilized Transposomes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11539-11545.	8.0	8
126	Langmuir-Blodgett film formation and photocurrent generation of a C60 pyrrolidine derivative C60(C8H15NO2). <i>Supramolecular Science</i> , 1998, 5, 457-460.	0.7	7



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127	Chain-length dependence of photoelectric conversion from a porphyrin monolayer modified electrode. <i>Optical Materials</i> , 2003, 21, 467-473.	3.6	7
128	Structure and photoelectrochemical properties of ruthenium(II) polypyridyl complexes as sensitizers for nanocrystalline TiO <sub>2</sub> electrodes. <i>Solar Energy Materials and Solar Cells</i> , 2003, 77, 319-330.	6.2	7
129	Genomic Heterogeneity and Branched Evolution of Early Stage Primary Acral Melanoma Shown by Multiregional Microdissection Sequencing. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1526-1534.	0.7	7
130	A microfluidic approach for experimentally modelling the intercellular coupling system of a mammalian circadian clock at single-cell level. <i>Lab on A Chip</i> , 2020, 20, 1204-1211.	6.0	7
131	Copy number alteration profiling facilitates differential diagnosis between ossifying fibroma and fibrous dysplasia of the jaws. <i>International Journal of Oral Science</i> , 2021, 13, 21.	8.6	7
132	Improvement in the risk assessment of oral leukoplakia through morphology-related copy number analysis. <i>Science China Life Sciences</i> , 2021, 64, 1379-1391.	4.9	7
133	Optical Cell Tagging for Spatially Resolved Single-Cell RNA Sequencing. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202113929.	13.8	7
134	Domain-Specific Folding Kinetics of Staphylococcal Nuclease Observed through Single-Molecule FRET in a Microfluidic Mixer. <i>ChemPhysChem</i> , 2011, 12, 3515-3518.	2.1	6
135	Specific Redistribution of Severe Acute Respiratory Syndrome Coronavirus 2 Variants in the Respiratory System and Intestinal Tract. <i>Clinical Infectious Diseases</i> , 2021, 73, e2814-e2817.	5.8	6
136	Histologically resolved multiomics enables precise molecular profiling of human intratumor heterogeneity. <i>PLoS Biology</i> , 2022, 20, e3001699.	5.6	6
137	Transient Absorption: A New Modality for Microscopic Imaging of Nanomaterials in Living Cells. <i>Small</i> , 2015, 11, 4998-5003.	10.0	5
138	Rotational scan digital LAMP for accurate quantitation of nucleic acids. <i>Lab on A Chip</i> , 2021, 21, 2265-2271.	6.0	5
139	Live-Cell Imaging of NADPH Production from Specific Pathways. <i>CCS Chemistry</i> , 2021, 3, 1642-1648.	7.8	5
140	Microfluidic Platform for Time-Resolved Characterization of Protein Higher-Order Structures and Dynamics Using Top-Down Mass Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 7520-7527.	6.5	5
141	A microfluidic live cell assay to study anthrax toxin induced cell lethality assisted by conditioned medium. <i>Scientific Reports</i> , 2015, 5, 8651.	3.3	4
142	Single-Cell-Based Platform for Copy Number Variation Profiling through Digital Counting of Amplified Genomic DNA Fragments. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13958-13964.	8.0	4
143	Low-frequency somatic copy number alterations in normal human lymphocytes revealed by large-scale single-cell whole-genome profiling. <i>Genome Research</i> , 2022, 32, 44-54.	5.5	4
144	Multifunctional molecular materials combining photoelectric conversion and second-order optical nonlinearities in LB monolayer films. <i>Applied Surface Science</i> , 2000, 161, 178-186.	6.1	3

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145	Terminal transfer amplification and sequencing for high-efficiency and low-bias copy number profiling of fragmented DNA samples. <i>Protein and Cell</i> , 2019, 10, 229-233.	11.0	3
146	A virtual sequencer reveals the dephasing patterns in error-correction code DNA sequencing. <i>National Science Review</i> , 2021, 8, nwaa227.	9.5	3
147	Proteomic Analysis of Human Milk Reveals Nutritional and Immune Benefits in the Colostrum from Mothers with COVID-19. <i>Nutrients</i> , 2022, 14, 2513.	4.1	3
148	Phase transition of lipid-like monolayer characterized by second harmonic generation. <i>Science in China Series B: Chemistry</i> , 1999, 42, 210-216.	0.8	2
149	All-organic and organic-silicon photonic ring micro-resonators. , 2005, , .		2
150	From Mouth Pipetting to Microfluidics: The Evolution of Technologies for Picking Healthy Single Cells. <i>Advanced Biology</i> , 2018, 2, 1800099.	3.0	2
151	Emerging investigators: new challenges spawn new innovations. <i>Lab on A Chip</i> , 2014, 14, 2599.	6.0	1
152	Editorial overview: Molecular imaging for seeing chemistry in biology. <i>Current Opinion in Chemical Biology</i> , 2017, 39, iv-v.	6.1	1
153	Planar organic microcavity of rare-earth Tb complex film with metal mirrors. , 1998, , .		0
154	Bragg onion resonators with omnidirectional reflector cladding. , 2004, , .		0
155	Tunable transmission filters based on corrugated sidewall Bragg gratings in polymer waveguides. , 2005, , .		0
156	Functional micro-structured optical fibers. , 2005, 5733, 222.		0
157	Photoelectric conversion property of a photoresponsive D- $\pi$ -A dye containing both NN and CHCH bonds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 275, 92-98.	4.7	0
158	Dielectrophoretic addressable deposition of arc-SWCNTs for high-throughput screening FET arrays. , 2010, , .		0
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