

Xin Han

List of Publications by Citations

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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.

41
papers

1,196
citations

20
h-index

34
g-index

45
ext. papers

1,493
ext. citations

9.7
avg, IF

4.24
L-index

#	Paper	IF	Citations
41	CRISPR-Cas9 delivery to hard-to-transfect cells via membrane deformation. <i>Science Advances</i> , 2015 , 1, e1500454	14.3	154
40	Characterization of two grouper <i>Epinephelus akaara</i> cell lines: Application to studies of Singapore grouper iridovirus (SGIV) propagation and virus-host interaction. <i>Aquaculture</i> , 2009 , 292, 172-179	4.4	120
39	Tankyrase Inhibitors Target YAP by Stabilizing Angiomotin Family Proteins. <i>Cell Reports</i> , 2015 , 13, 524-532.	12.6	115
38	Poly-ADP ribosylation of PTEN by tankyrases promotes PTEN degradation and tumor growth. <i>Genes and Development</i> , 2015 , 29, 157-70	12.6	79
37	Singapore grouper iridovirus, a large DNA virus, induces nonapoptotic cell death by a cell type dependent fashion and evokes ERK signaling. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2011 , 16, 831-45	5.4	69
36	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	7.8	55
35	Phosphorylation of TPP1 regulates cell cycle-dependent telomerase recruitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 5457-62	11.5	53
34	Hand-held and integrated single-cell pipettes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10858-64	11.4	47
33	Microfluidic cytometric analysis of cancer cell transportability and invasiveness. <i>Scientific Reports</i> , 2015 , 5, 14272	4.9	43
32	The BUB3-BUB1 Complex Promotes Telomere DNA Replication. <i>Molecular Cell</i> , 2018 , 70, 395-407.e4	17.6	34
31	Cold-inducible RNA-binding protein CIRP/hnRNP A18 regulates telomerase activity in a temperature-dependent manner. <i>Nucleic Acids Research</i> , 2016 , 44, 761-75	20.1	34
30	Competitive volumetric bar-chart chip with real-time internal control for point-of-care diagnostics. <i>Analytical Chemistry</i> , 2015 , 87, 3771-7	7.8	30
29	High-Throughput, Label-Free Isolation of Cancer Stem Cells on the Basis of Cell Adhesion Capacity. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10838-42	16.4	29
28	Actl6a protects embryonic stem cells from differentiating into primitive endoderm. <i>Stem Cells</i> , 2015 , 33, 1782-93	5.8	26
27	Single-cell isolation by a modular single-cell pipette for RNA-sequencing. <i>Lab on A Chip</i> , 2016 , 16, 4742-4748	7.8	26
26	Cas9 Ribonucleoprotein Delivery via Microfluidic Cell-Deformation Chip for Human T-Cell Genome Editing and Immunotherapy. <i>Advanced Biology</i> , 2017 , 1, e1600007	3.5	25
25	The telomere-associated homeobox-containing protein TAH1/HMBOX1 participates in telomere maintenance in ALT cells. <i>Journal of Cell Science</i> , 2013 , 126, 3982-9	5.3	25

24	Recent Progress of Microfluidics in Translational Applications. <i>Advanced Healthcare Materials</i> , 2016 , 5, 871-88	10.1	24
23	Hypoxia-Responsive Gene Editing to Reduce Tumor Thermal Tolerance for Mild-Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21200-21204	16.4	22
22	Microfluidic Cell Deformability Assay for Rapid and Efficient Kinase Screening with the CRISPR-Cas9 System. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8561-5	16.4	21
21	Akt regulates TPP1 homodimerization and telomere protection. <i>Aging Cell</i> , 2013 , 12, 1091-9	9.9	19
20	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	3.7	17
19	Retinal synaptic regeneration via microfluidic guiding channels. <i>Scientific Reports</i> , 2015 , 5, 13591	4.9	17
18	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	16.4	14
17	Fam118B, a newly identified component of Cajal bodies, is required for Cajal body formation, snRNP biogenesis and cell viability. <i>Journal of Cell Science</i> , 2014 , 127, 2029-39	5.3	14
16	Controlled CRISPR-Cas9 Ribonucleoprotein Delivery for Sensitized Photothermal Therapy. <i>Small</i> , 2021 , 17, e2101155	11	11
15	Integrated Microfluidic System for Gene Silencing and Cell Migration. <i>Advanced Biology</i> , 2017 , 1, 1700054	5.5	10
14	Cellular response to moderate chromatin architectural defects promotes longevity. <i>Science Advances</i> , 2019 , 5, eaav1165	14.3	9
13	Synergistic photothermal cancer immunotherapy by Cas9 ribonucleoprotein-based copper sulfide nanotherapeutic platform targeting PTPN2. <i>Biomaterials</i> , 2021 , 279, 121233	15.6	9
12	Analysis of the bystander effect in cone photoreceptors via a guided neural network platform. <i>Science Advances</i> , 2018 , 4, eaas9274	14.3	7
11	High-Throughput Isolation of Cell Protrusions with Single-Cell Precision for Profiling Subcellular Gene Expression. <i>Angewandte Chemie</i> , 2019 , 131, 13838-13843	3.6	5
10	Microfluidic Cell Trap Arrays for Single Hematopoietic Stem/Progenitor Cell Behavior Analysis. <i>Proteomics</i> , 2020 , 20, e1900223	4.8	5
9	Microfluidic Cell Deformability Assay for Rapid and Efficient Kinase Screening with the CRISPR-Cas9 System. <i>Angewandte Chemie</i> , 2016 , 128, 8703-8707	3.6	5
8	Microfluidic Mapping of Cancer Cell-Protein Binding Interaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22143-22148	9.5	4
7	High-Throughput, Label-Free Isolation of Cancer Stem Cells on the Basis of Cell Adhesion Capacity. <i>Angewandte Chemie</i> , 2015 , 127, 10988-10992	3.6	3

6	RNAPhaSep: a resource of RNAs undergoing phase separation. <i>Nucleic Acids Research</i> , 2021 ,	20.1	3
5	Hollow covalent organic framework-sheltering CRISPR/Cas12a as an in-vivo nanosensor for ATP imaging.. <i>Biosensors and Bioelectronics</i> , 2022 , 209, 114239	11.8	3
4	SOX2-OT induced by PAI-1 promotes triple-negative breast cancer cells metastasis by sponging miR-942-5p and activating PI3K/Akt signaling.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 59	10.3	2
3	Heterogeneity of BCSCs contributes to the metastatic organotropism of breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021 , 40, 370	12.8	2
2	Hypoxia-Responsive Gene Editing to Reduce Tumor Thermal Tolerance for Mild-Photothermal Therapy. <i>Angewandte Chemie</i> , 2021 , 133, 21370-21374	3.6	2
1	Microfluidic Tandem Mechanical Sorting System for Enhanced Cancer Stem Cell Isolation and Ingredient Screening. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100985	10.1	2