

Shuang Hou

List of Publications by Year in descending order

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55
papers

3,264
citations

147726

31
h-index

143943

57
g-index

63
all docs

63
docs citations

63
times ranked

4727
citing authors

#	ARTICLE	IF	CITATIONS
1	Hepatocellular Carcinomaâ€“Circulating Tumor Cells Expressing PDâ€“L1 Are Prognostic and Potentially Associated With Response to Checkpoint Inhibitors. <i>Hepatology Communications</i> , 2020, 4, 1527-1540.	2.0	60
2	Somatic copy number profiling from hepatocellular carcinoma circulating tumor cells. <i>Npj Precision Oncology</i> , 2020, 4, 16.	2.3	16
3	A Microfabricated Sandwiching Assay for Nanoliter and Highâ€“Throughput Biomarker Screening. <i>Small</i> , 2019, 15, e1900300.	5.2	18
4	Highâ€“Throughput Drug Screening: A Microfabricated Sandwiching Assay for Nanoliter and Highâ€“Throughput Biomarker Screening (<i>Small</i> 15/2019). <i>Small</i> , 2019, 15, 1970078.	5.2	1
5	RNA Biomarkers: Glycan Stimulation Enables Purification of Prostate Cancer Circulating Tumor Cells on PEDOT NanoVelcro Chips for RNA Biomarker Detection (<i>Adv. Healthcare Mater.</i> 3/2018). <i>Advanced Healthcare Materials</i> , 2018, 7, 1870013.	3.9	3
6	A novel multimarker assay for the phenotypic profiling of circulating tumor cells in hepatocellular carcinoma. <i>Liver Transplantation</i> , 2018, 24, 946-960.	1.3	58
7	Circulating Tumor Cells Predict Occult Metastatic Disease and Prognosis in Pancreatic Cancer. <i>Annals of Surgical Oncology</i> , 2018, 25, 1000-1008.	0.7	77
8	NanoVelcro rare-cell assays for detection and characterization of circulating tumor cells. <i>Advanced Drug Delivery Reviews</i> , 2018, 125, 78-93.	6.6	89
9	Precision-Guided Nanospears for Targeted and High-Throughput Intracellular Gene Delivery. <i>ACS Nano</i> , 2018, 12, 4503-4511.	7.3	103
10	Glycan Stimulation Enables Purification of Prostate Cancer Circulating Tumor Cells on PEDOT NanoVelcro Chips for RNA Biomarker Detection. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700701.	3.9	38
11	Somatic copy number profiling of hepatocellular carcinoma circulating tumor cells.. <i>Journal of Clinical Oncology</i> , 2018, 36, 290-290.	0.8	0
12	Imprinted NanoVelcro Microchips for Isolation and Characterization of Circulating Fetal Trophoblasts: Toward Noninvasive Prenatal Diagnostics. <i>ACS Nano</i> , 2017, 11, 8167-8177.	7.3	68
13	Precision oncology using a limited number of cells: optimization of whole genome amplification products for sequencing applications. <i>BMC Cancer</i> , 2017, 17, 457.	1.1	22
14	Digital PCR Improves Mutation Analysis in Pancreas Fine Needle Aspiration Biopsy Specimens. <i>PLoS ONE</i> , 2017, 12, e0170897.	1.1	29
15	Abstract 3780: Bio-competition-based smart NanoVelcro Chip for isolation and gene expression analysis of circulating tumor cells from prostate cancer patients. , 2017, , .		0
16	Clinical Applications of NanoVelcro Rare-Cell Assays for Detection and Characterization of Circulating Tumor Cells. <i>Theranostics</i> , 2016, 6, 1425-1439.	4.6	56
17	Reality of Single Circulating Tumor Cell Sequencing for Molecular Diagnostics in Pancreatic Cancer. <i>Journal of Molecular Diagnostics</i> , 2016, 18, 688-696.	1.2	46
18	Circulating tumour cells as a biomarker for diagnosis and staging in pancreatic cancer. <i>British Journal of Cancer</i> , 2016, 114, 1367-1375.	2.9	120

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19	Pretargeted Positron Emission Tomography Imaging That Employs Supramolecular Nanoparticles with <i>in Vivo</i> Bioorthogonal Chemistry. <i>ACS Nano</i> , 2016, 10, 1417-1424.	7.3	60
20	A High-Throughput Platform for Formulating and Screening Multifunctional Nanoparticles Capable of Simultaneous Delivery of Genes and Transcription Factors. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 169-173.	7.2	39
21	Combined cell surface carbonic anhydrase 9 and CD147 antigens enable high-efficiency capture of circulating tumor cells in clear cell renal cell carcinoma patients. <i>Oncotarget</i> , 2016, 7, 59877-59891.	0.8	62
22	A comparison of isolated circulating tumor cells and tissue biopsies using whole-genome sequencing in prostate cancer. <i>Oncotarget</i> , 2015, 6, 44781-44793.	0.8	94
23	Supramolecular Nanosubstrate-Mediated Delivery for Reprogramming and Transdifferentiation of Mammalian Cells. <i>Small</i> , 2015, 11, 2499-2504.	5.2	12
24	Improving pancreatic cancer diagnosis using circulating tumor cells: prospects for staging and single-cell analysis. <i>Expert Review of Molecular Diagnostics</i> , 2015, 15, 1491-1504.	1.5	42
25	Subclassification of prostate cancer circulating tumor cells by nuclear size reveals very small nuclear circulating tumor cells in patients with visceral metastases. <i>Cancer</i> , 2015, 121, 3240-3251.	2.0	89
26	Programming Thermoresponsiveness of NanoVelcro Substrates Enables Effective Purification of Circulating Tumor Cells in Lung Cancer Patients. <i>ACS Nano</i> , 2015, 9, 62-70.	7.3	118
27	Abstract 3473: Sub-classification of prostate cancer circulating tumor cells (CTCs) by nuclear size reveals very-small nuclear CTCs in patients with visceral metastases. , 2015, , .		0
28	3D Bioelectronic Interface: Capturing Circulating Tumor Cells onto Conducting Polymer-Based Micro/Nanorod Arrays with Chemical and Topographical Control. <i>Small</i> , 2014, 10, 3012-3017.	5.2	61
29	Molecular Recognition Enables Nanosubstrate-Mediated Delivery of Gene-Encapsulated Nanoparticles with High Efficiency. <i>ACS Nano</i> , 2014, 8, 4621-4629.	7.3	46
30	Nanostructure Embedded Microchips for Detection, Isolation, and Characterization of Circulating Tumor Cells. <i>Accounts of Chemical Research</i> , 2014, 47, 2941-2950.	7.6	202
31	Improved and optimized one-pot method for N-succinimidyl-4-[¹⁸ F]fluorobenzoate ([¹⁸ F]SFB) synthesis using microwaves. <i>Applied Radiation and Isotopes</i> , 2014, 94, 113-117.	0.7	6
32	Abstract 3070: Capture, isolation, and mutational analysis of single pancreatic circulating tumor cells using NanoVelcro technology. <i>Cancer Research</i> , 2014, 74, 3070-3070.	0.4	1
33	Pancreatic circulating tumor cells as a diagnostic adjunct in pancreatic cancer.. <i>Journal of Clinical Oncology</i> , 2014, 32, 175-175.	0.8	4
34	NanoVelcro Chip for CTC enumeration in prostate cancer patients. <i>Methods</i> , 2013, 64, 144-152.	1.9	107
35	Specific Capture and Release of Circulating Tumor Cells Using Aptamer-Modified Nanosubstrates. <i>Advanced Materials</i> , 2013, 25, 2368-2373.	11.1	274
36	Capture and Stimulated Release of Circulating Tumor Cells on Polymer-Grafted Silicon Nanostructures. <i>Advanced Materials</i> , 2013, 25, 1547-1551.	11.1	245

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37	Polymer Nanofiber-Embedded Microchips for Detection, Isolation, and Molecular Analysis of Single Circulating Melanoma Cells. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3379-3383.	7.2	194
38	High-Purity Prostate Circulating Tumor Cell Isolation by a Polymer Nanofiber-Embedded Microchip for Whole Exome Sequencing. <i>Advanced Materials</i> , 2013, 25, 2897-2902.	11.1	142
39	Tumor Cell Isolation: High-Purity Prostate Circulating Tumor Cell Isolation by a Polymer Nanofiber-Embedded Microchip for Whole Exome Sequencing (<i>Adv. Mater.</i> 21/2013). <i>Advanced Materials</i> , 2013, 25, 2870-2870.	11.1	1
40	Cell Capture: Capture and Stimulated Release of Circulating Tumor Cells on Polymer-Grafted Silicon Nanostructures (<i>Adv. Mater.</i> 11/2013). <i>Advanced Materials</i> , 2013, 25, 1514-1514.	11.1	4
41	The therapeutic efficacy of camptothecin-encapsulated supramolecular nanoparticles. <i>Biomaterials</i> , 2012, 33, 1162-1169.	5.7	82
42	Microwave-assisted One-pot Synthesis of <i>N</i> -succinimidyl-4-[¹⁸ F]fluorobenzoate ([¹⁸ F]SFB). <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	10
43	A Microfluidic Platform for Systems Pathology: Multiparameter Single-Cell Signaling Measurements of Clinical Brain Tumor Specimens. <i>Cancer Research</i> , 2010, 70, 6128-6138.	0.4	106
44	Introducing, OncoTarget. <i>Oncotarget</i> , 2010, 1, 2-2.	0.8	12
45	A Hydrodynamically Focused Stream as a Dynamic Template for Site-Specific Electrochemical Micropatterning of Conducting Polymers. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1072-1075.	7.2	31
46	Detection of oncoprotein platelet-derived growth factor using a fluorescent signaling complex of an aptamer and TOTO. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 1175-1180.	1.9	69
47	In Vitro Monitoring of Picogram Levels of Captopril in Human Urine Using Flow Injection Chemiluminescence with Immobilized Reagent Technique. <i>Analytical Letters</i> , 2006, 39, 1115-1127.	1.0	18
48	A study of the chemiluminescence behavior of myoglobin with luminol and its analytical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 529-535.	1.9	28
49	Sub-picogram determination of Vitamin B12 in pharmaceuticals and human serum using flow injection with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 2003, 488, 71-79.	2.6	63
50	On-Line Monitoring of Formaldehyde In Water and Air Using Chemiluminescence Detection. <i>International Journal of Environmental Analytical Chemistry</i> , 2003, 83, 807-817.	1.8	22
51	A New Analytical Procedure for Assay of Lysozyme in Human Tear and Saliva with Immobilized Reagents in Flow Injection Chemiluminescence System.. <i>Analytical Sciences</i> , 2003, 19, 347-352.	0.8	11
52	A New Green Analytical Procedure for Monitoring Sub-nanogram Amounts of Chlorpyrifos on Fruits Using Flow Injection Chemiluminescence with Immobilized Reagents. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 4468-4474.	2.4	32
53	Sensitive determination of sub-nanogram amounts of rutin by its inhibition on chemiluminescence with immobilized reagents. <i>Talanta</i> , 2002, 57, 59-67.	2.9	83
54	Chemiluminescence assay for uric acid in human serum and urine using flow-injection with immobilized reagents technology. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 327-332.	1.9	26

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55	Determination of picomole amounts of thiamine through flow-injection analysis based on the suppression of luminol-KIO ₄ chemiluminescence system. Journal of Pharmaceutical and Biomedical Analysis, 2002, 28, 683-691.	1.4	22