

# Shuang Hou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/232908/publications.pdf>

Version: 2024-02-01

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	Specific Capture and Release of Circulating Tumor Cells Using Aptamer-Modified Nanosubstrates. <i>Advanced Materials</i> , 2013, 25, 2368-2373.	11.1	274
2	Capture and Stimulated Release of Circulating Tumor Cells on Polymer-Grafted Silicon Nanostructures. <i>Advanced Materials</i> , 2013, 25, 1547-1551.	11.1	245
3	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
4	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
5	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
6	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
7	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
8	NanoVelcro Chip for CTC enumeration in prostate cancer patients. <i>Methods</i> , 2013, 64, 144-152.	1.9	107
9	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
10	Precision-Guided Nanospears for Targeted and High-Throughput Intracellular Gene Delivery. <i>ACS Nano</i> , 2018, 12, 4503-4511.	7.3	103
11	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
12	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
13	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
14	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
15	The therapeutic efficacy of camptothecin-encapsulated supramolecular nanoparticles. <i>Biomaterials</i> , 2012, 33, 1162-1169.	5.7	82
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	Hepatocellular Carcinoma-Associated Circulating Tumor Cells Expressing PD-L1 Are Prognostic and Potentially Associated With Response to Checkpoint Inhibitors. <i>Hepatology Communications</i> , 2020, 4, 1527-1540.	2.0	60
24	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
25	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
26	Molecular Recognition Enables Nanosubstrate-Mediated Delivery of Gene-Encapsulated Nanoparticles with High Efficiency. <i>ACS Nano</i> , 2014, 8, 4621-4629.	7.3	46
27	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
28	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
29	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
30	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
31	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
32	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
33	Digital PCR Improves Mutation Analysis in Pancreas Fine Needle Aspiration Biopsy Specimens. <i>PLoS ONE</i> , 2017, 12, e0170897.	1.1	29
34	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
35	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
36	Determination of picomole amounts of thiamine through flow-injection analysis based on the suppression of luminol-KIO <sub>4</sub> chemiluminescence system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 28, 683-691.	1.4	22

#	ARTICLE	IF	CITATIONS
37	On-Line Monitoring of Formaldehyde In Water and Air Using Chemiluminescence Detection. International Journal of Environmental Analytical Chemistry, 2003, 83, 807-817.	1.8	22
38	Precision oncology using a limited number of cells: optimization of whole genome amplification products for sequencing applications. BMC Cancer, 2017, 17, 457.	1.1	22
39	In Vitro Monitoring of Picogram Levels of Captopril in Human Urine Using Flow Injection Chemiluminescence with Immobilized Reagent Technique. Analytical Letters, 2006, 39, 1115-1127.	1.0	18
40	A Microfabricated Sandwiching Assay for Nanoliter and High-Throughput Biomarker Screening. Small, 2019, 15, e1900300.	5.2	18
41	Somatic copy number profiling from hepatocellular carcinoma circulating tumor cells. Npj Precision Oncology, 2020, 4, 16.	2.3	16
42	Supramolecular Nanosubstrate-Mediated Delivery for Reprogramming and Transdifferentiation of Mammalian Cells. Small, 2015, 11, 2499-2504.	5.2	12
43	Introducing, OncoTarget. Oncotarget, 2010, 1, 2-2.	0.8	12
44	A New Analytical Procedure for Assay of Lysozyme in Human Tear and Saliva with Immobilized Reagents in Flow Injection Chemiluminescence System.. Analytical Sciences, 2003, 19, 347-352.	0.8	11
45	Microwave-assisted One-pot Synthesis of N-succinimidyl-4-[ <sup>18</sup> F]fluorobenzoate ([ <sup>18</sup> F]SFB). Journal of Visualized Experiments, 2011, , .	0.2	10
46	Improved and optimized one-pot method for N -succinimidyl-4-[ <sup>18</sup> F]fluorobenzoate ([ <sup>18</sup> F]SFB) synthesis using microwaves. Applied Radiation and Isotopes, 2014, 94, 113-117.	0.7	6
47	Cell Capture: Capture and Stimulated Release of Circulating Tumor Cells on Polymer-Grafted Silicon Nanostructures (Adv. Mater. 11/2013). Advanced Materials, 2013, 25, 1514-1514.	11.1	4
48	Pancreatic circulating tumor cells as a diagnostic adjunct in pancreatic cancer.. Journal of Clinical Oncology, 2014, 32, 175-175.	0.8	4
49	RNA Biomarkers: Glycan Stimulation Enables Purification of Prostate Cancer Circulating Tumor Cells on PEDOT NanoVelcro Chips for RNA Biomarker Detection (Adv. Healthcare Mater. 3/2018). Advanced Healthcare Materials, 2018, 7, 1870013.	3.9	3
50	Tumor Cell Isolation: High-Purity Prostate Circulating Tumor Cell Isolation by a Polymer Nanofiber-Embedded Microchip for Whole Exome Sequencing (Adv. Mater. 21/2013). Advanced Materials, 2013, 25, 2870-2870.	11.1	1
51	High-Throughput Drug Screening: A Microfabricated Sandwiching Assay for Nanoliter and High-Throughput Biomarker Screening (Small 15/2019). Small, 2019, 15, 1970078.	5.2	1
52	Abstract 3070: Capture, isolation, and mutational analysis of single pancreatic circulating tumor cells using NanoVelcro technology. Cancer Research, 2014, 74, 3070-3070.	0.4	1
53	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
54	Abstract 3780: Bio-competition-based smart NanoVelcro Chip for isolation and gene expression analysis of circulating tumor cells from prostate cancer patients. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
55	Somatic copy number profiling of hepatocellular carcinoma circulating tumor cells.. Journal of Clinical Oncology, 2018, 36, 290-290.	0.8	0