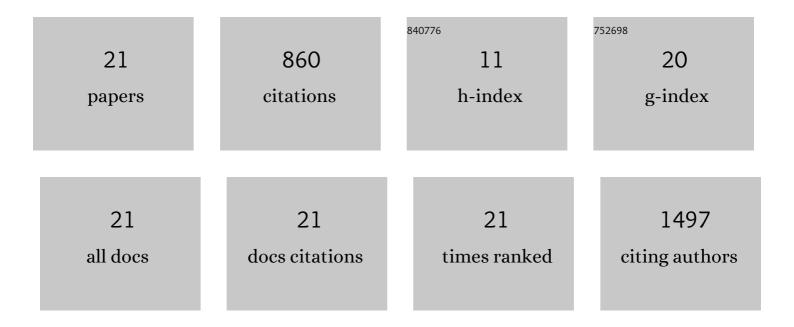
## Nangang Zhang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5467508/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	One-step detection of oral ulcers and oral cancer derived exosomes on wedge-shaped and high magnetic field gradient mediated chip. Sensors and Actuators B: Chemical, 2022, 357, 131403.	7.8	4
2	An automated detection of influenza virus based on 3-D magnetophoretic separation and magnetic label. Analyst, The, 2021, 146, 930-936.	3.5	8
3	Simultaneous and automated detection of influenza A virus hemagglutinin H7 and H9 based on magnetism and size mediated microfluidic chip. Sensors and Actuators B: Chemical, 2020, 308, 127675.	7.8	44
4	Negative depletion mediated brightfield circulating tumour cell identification strategy on microparticle-based microfluidic chip. Journal of Nanobiotechnology, 2020, 18, 70.	9.1	10
5	Simple and convenient microfluidic flow rate measurement based on microbubble image velocimetry. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	7
6	High-performance multiplex microvalves fabrication and using for tumor cells staining on a microfluidic chip. Biomedical Microdevices, 2019, 21, 87.	2.8	7
7	Highly Efficient Isolation of Circulating Tumor Cells Using a Simple Wedge-Shaped Microfluidic Device. IEEE Transactions on Biomedical Engineering, 2019, 66, 1536-1541.	4.2	14
8	A simple pyramid-shaped microchamber towards highly efficient isolation of circulating tumor cells from breast cancer patients. Biomedical Microdevices, 2018, 20, 83.	2.8	8
9	Wedge-shaped microfluidic chip for circulating tumor cells isolation and its clinical significance in gastric cancer. Journal of Translational Medicine, 2018, 16, 139.	4.4	40
10	Platelet–Leukocyte Hybrid Membraneâ€Coated Immunomagnetic Beads for Highly Efficient and Highly Specific Isolation of Circulating Tumor Cells. Advanced Functional Materials, 2018, 28, 1803531.	14.9	154
11	Early Cancer Diagnosis: Platelet–Leukocyte Hybrid Membrane oated Immunomagnetic Beads for Highly Efficient and Highly Specific Isolation of Circulating Tumor Cells (Adv. Funct. Mater. 34/2018). Advanced Functional Materials, 2018, 28, 1870241.	14.9	1
12	Generation of Linear and Parabolic Concentration Gradients by Using a Christmas Tree-Shaped Microfluidic Network. Wuhan University Journal of Natural Sciences, 2018, 23, 244-250.	0.4	5
13	PMMA microfluidic chip fabrication using laser ablation and low temperature bonding with OCA film and LOCA. Microsystem Technologies, 2017, 23, 1937-1942.	2.0	28
14	Highly efficient isolation and release of circulating tumor cells based on size-dependent filtration and degradable ZnO nanorods substrate in a wedge-shaped microfluidic chip. Biomedical Microdevices, 2017, 19, 93.	2.8	13
15	Self-powered blue-sensitive photodetector based on PEDOT:PSS/SnO2 microwires organic/inorganic p–n heterojunction. Applied Physics A: Materials Science and Processing, 2015, 119, 1561-1566.	2.3	26
16	Capture and Release of Cancer Cells by Combining On-Chip Purification and Off-Chip Enzymatic Treatment. ACS Applied Materials & amp; Interfaces, 2015, 7, 24001-24007.	8.0	55
17	Biocompatible TiO2 nanoparticle-based cell immunoassay for circulating tumor cells capture and identification from cancer patients. Biomedical Microdevices, 2013, 15, 617-626.	2.8	66
18	A methylene bridged bisimidazolium iodide based low-volatility electrolyte for efficient dye-sensitized solar cells. Journal of Renewable and Sustainable Energy, 2013, 5, 043121.	2.0	1

#	Article	IF	CITATIONS
19	Generation of disk-like hydrogel beads for cell encapsulation and manipulation using a droplet-based microfluidic device. Microfluidics and Nanofluidics, 2012, 13, 761-767.	2.2	51
20	Electrospun TiO <sub>2</sub> Nanofiberâ€Based Cell Capture Assay for Detecting Circulating Tumor Cells from Colorectal and Gastric Cancer Patients. Advanced Materials, 2012, 24, 2756-2760.	21.0	315
21	Assays: Electrospun TiO2 Nanofiber-Based Cell Capture Assay for Detecting Circulating Tumor Cells from Colorectal and Gastric Cancer Patients (Adv. Mater. 20/2012). Advanced Materials, 2012, 24, 2755-2755.	21.0	3