Yazhen Zhu

List of Publications by Year
in descending order

32	928	567281 15	454955 30
papers	citations	h-index	g-index

34	34	34	1421
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Purification of HCC-specific extracellular vesicles on nanosubstrates for early HCC detection by digital scoring. Nature Communications, 2020, 11, 4489.	12.8	134
2	NanoVelcro rare-cell assays for detection and characterization of circulating tumor cells. Advanced Drug Delivery Reviews, 2018, 125, 78-93.	13.7	89
3	Imprinted NanoVelcro Microchips for Isolation and Characterization of Circulating Fetal Trophoblasts: Toward Noninvasive Prenatal Diagnostics. ACS Nano, 2017, 11, 8167-8177.	14.6	68
4	Nanostructured Substrates for Detection and Characterization of Circulating Rare Cells: From Materials Research to Clinical Applications. Advanced Materials, 2020, 32, e1903663.	21.0	66
5	A novel multimarker assay for the phenotypic profiling of circulating tumor cells in hepatocellular carcinoma. Liver Transplantation, 2018, 24, 946-960.	2.4	58
6	Clinical Applications of NanoVelcro Rare-Cell Assays for Detection and Characterization of Circulating Tumor Cells. Theranostics, 2016, 6, 1425-1439.	10.0	56
7	ALK, ROS1 and RET rearrangements in lung squamous cell carcinoma are very rare. Lung Cancer, 2016, 94, 22-27.	2.0	56
8	Bio-Inspired NanoVilli Chips for Enhanced Capture of Tumor-Derived Extracellular Vesicles: Toward Non-Invasive Detection of Gene Alterations in Non-Small Cell Lung Cancer. ACS Applied Materials & Interfaces, 2019, 11, 13973-13983.	8.0	55
9	Covalent chemistry on nanostructured substrates enables noninvasive quantification of gene rearrangements in circulating tumor cells. Science Advances, 2019, 5, eaav9186.	10.3	36
10	The Role of Extracellular Vesicles in Disease Progression and Detection of Hepatocellular Carcinoma. Cancers, 2021, 13, 3076.	3.7	30
11	Supramolecular nanosubstrateâ€“mediated delivery system enables CRISPR-Cas9 knockin of hemoglobin beta gene for hemoglobinopathies. Science Advances, 2020, 6, .	10.3	25
12	Circulating trophoblast cell clusters for early detection of placenta accreta spectrum disorders. Nature Communications, 2021, 12, 4408.	12.8	23
13	A Circulating Tumor Cell-RNA Assay for Assessment of Androgen Receptor Signaling Inhibitor Sensitivity in Metastatic Castration-Resistant Prostate Cancer. Theranostics, 2019, 9, 2812-2826.	10.0	20
14	Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcomaâ€Derived Extracellular Vesicles for Downstream Functional Studies. Advanced Functional Materials, 2020, 30, 2003237.	14.9	20
15	Cross-Linked Fluorescent Supramolecular Nanoparticles for Intradermal Controlled Release of Antifungal Drugâ€”A Therapeutic Approach for Onychomycosis. ACS Nano, 2018, 12, 6851-6859.	14.6	19
16	High-throughput miRNAÂsequencing of the human placenta: expression throughout gestation. Epigenomics, 2021, 13, 995-1012.	2.1	19
17	Detection of epidermal growth factor receptor mutation in lung cancer by droplet digital polymerase chain reaction. OncoTargets and Therapy, 2015, 8, 1533.	2.0	18
18	A novel ARMS-based assay for the quantification of EGFR mutations in patients with lung adenocarcinoma. Oncology Letters, 2018, 15, 2905-2912.	1.8	17

#	Article	IF	Citations
19	Somatic copy number profiling from hepatocellular carcinoma circulating tumor cells. Npj Precision Oncology, 2020, 4, 16.	5.4	16
20	Coupling Lipid Labeling and Click Chemistry Enables Isolation of Extracellular Vesicles for Noninvasive Detection of Oncogenic Gene Alterations. Advanced Science, 2022, 9, e2105853.	11.2	15
21	Nano-vectors for CRISPR/Cas9-mediated genome editing. Nano Today, 2022, 44, 101482.	11.9	15
22	Noninvasive Prenatal Diagnostics: Recent Developments Using Circulating Fetal Nucleated Cells. Current Obstetrics and Gynecology Reports, 2019, 8, 1-8.	0.8	13
23	A circulating tumor cell-based digital assay for the detection of EGFR T790M mutation in advanced non-small cell lung cancer. Journal of Materials Chemistry B, 2020, 8, 5636-5644.	5.8	13
24	Cross-Linked Fluorescent Supramolecular Nanoparticles as Finite Tattoo Pigments with Controllable Intradermal Retention Times. ACS Nano, 2017, 11, 153-162.	14.6	11
25	Discovery and characterization of circulating tumor cell clusters in neuroendocrine tumor patients using nanosubstrate-embedded microchips. Biosensors and Bioelectronics, 2022, 199, 113854.	10.1	10
26	Circulating Tumor Cellâ€“Based Messenger RNA Scoring System for Prognostication of Hepatocellular Carcinoma: Translating Tissueâ€Based Messenger RNA Profiling Into a Noninvasive Setting. Liver Transplantation, 2022, 28, 200-214.	2.4	8
27	Circulating tumor cells: A step toward precision medicine in hepatocellular carcinoma. Journal of Gastroenterology and Hepatology (Australia), 2022, 37, 1179-1190.	2.8	7
28	Covalent Chemistryâ€Mediated Multimarker Purification of Circulating Tumor Cells Enables Noninvasive Detection of Molecular Signatures of Hepatocellular Carcinoma. Advanced Materials Technologies, 2021, 6, 2001056.	5.8	4
29	Noninvasive Prenatal Diagnostics: Recent Developments Using Circulating Fetal Nucleated Cells. Current Obstetrics and Gynecology Reports, 2019, 8, 1-8.	0.8	3
30	Gene Therapy: Dual Supramolecular Nanoparticle Vectors Enable CRISPR/Cas9â€Mediated Knockin of Retinoschisin 1 Geneâ€"A Potential Nonviral Therapeutic Solution for Xâ€Linked Juvenile Retinoschisis (Adv. Sci. 10/2020). Advanced Science, 2020, 7, 2070054.	11.2	2
31	Circulating Rare Cells: Nanostructured Substrates for Detection and Characterization of Circulating Rare Cells: From Materials Research to Clinical Applications (Adv. Mater. 1/2020). Advanced Materials, 2020, 32, 2070008.	21.0	0
32	Sarcomaâ€Derived Extracellular Vesicles: Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcomaâ€Derived Extracellular Vesicles for Downstream Functional Studies (Adv. Funct. Mater. 49/2020). Advanced Functional Materials, 2020, 30, 2070322.	14.9	0