

# Yazhen Zhu

## List of Publications by Year in descending order

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32  
papers

928  
citations

567281

15  
h-index

454955

30  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating Tumor Cellâ€‘Based Messenger RNA Scoring System for Prognostication of Hepatocellular Carcinoma: Translating Tissueâ€‘Based Messenger RNA Profiling Into a Noninvasive Setting. <i>Liver Transplantation</i> , 2022, 28, 200-214.	2.4	8
2	Discovery and characterization of circulating tumor cell clusters in neuroendocrine tumor patients using nanosubstrate-embedded microchips. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113854.	10.1	10
3	Coupling Lipid Labeling and Click Chemistry Enables Isolation of Extracellular Vesicles for Noninvasive Detection of Oncogenic Gene Alterations. <i>Advanced Science</i> , 2022, 9, e2105853.	11.2	15
4	Nano-vectors for CRISPR/Cas9-mediated genome editing. <i>Nano Today</i> , 2022, 44, 101482.	11.9	15
5	Circulating tumor cells: A step toward precision medicine in hepatocellular carcinoma. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2022, 37, 1179-1190.	2.8	7
6	Covalent Chemistryâ€‘Mediated Multimarker Purification of Circulating Tumor Cells Enables Noninvasive Detection of Molecular Signatures of Hepatocellular Carcinoma. <i>Advanced Materials Technologies</i> , 2021, 6, 2001056.	5.8	4
7	The Role of Extracellular Vesicles in Disease Progression and Detection of Hepatocellular Carcinoma. <i>Cancers</i> , 2021, 13, 3076.	3.7	30
8	High-throughput miRNAâ€‘sequencing of the human placenta: expression throughout gestation. <i>Epigenomics</i> , 2021, 13, 995-1012.	2.1	19
9	Circulating trophoblast cell clusters for early detection of placenta accreta spectrum disorders. <i>Nature Communications</i> , 2021, 12, 4408.	12.8	23
10	Nanostructured Substrates for Detection and Characterization of Circulating Rare Cells: From Materials Research to Clinical Applications. <i>Advanced Materials</i> , 2020, 32, e1903663.	21.0	66
11	Circulating Rare Cells: Nanostructured Substrates for Detection and Characterization of Circulating Rare Cells: From Materials Research to Clinical Applications ( <i>Adv. Mater.</i> 1/2020). <i>Advanced Materials</i> , 2020, 32, 2070008.	21.0	0
12	Sarcomaâ€‘Derived Extracellular Vesicles: Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcomaâ€‘Derived Extracellular Vesicles for Downstream Functional Studies ( <i>Adv. Funct. Mater.</i> 49/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070322.	14.9	0
13	Supramolecular nanosubstrateâ€‘mediated delivery system enables CRISPR-Cas9 knockin of hemoglobin beta gene for hemoglobinopathies. <i>Science Advances</i> , 2020, 6, .	10.3	25
14	Purification of HCC-specific extracellular vesicles on nanosubstrates for early HCC detection by digital scoring. <i>Nature Communications</i> , 2020, 11, 4489.	12.8	134
15	Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcomaâ€‘Derived Extracellular Vesicles for Downstream Functional Studies. <i>Advanced Functional Materials</i> , 2020, 30, 2003237.	14.9	20
16	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 ( <i>Adv. Sci.</i> 10/2020). <i>Advanced Science</i> , 2020, 7, 2070054.	11.2	2
17	A circulating tumor cell-based digital assay for the detection of EGFR T790M mutation in advanced non-small cell lung cancer. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5636-5644.	5.8	13
18	Somatic copy number profiling from hepatocellular carcinoma circulating tumor cells. <i>Npj Precision Oncology</i> , 2020, 4, 16.	5.4	16

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19	Covalent chemistry on nanostructured substrates enables noninvasive quantification of gene rearrangements in circulating tumor cells. <i>Science Advances</i> , 2019, 5, eaav9186.	10.3	36
20	Noninvasive Prenatal Diagnostics: Recent Developments Using Circulating Fetal Nucleated Cells. <i>Current Obstetrics and Gynecology Reports</i> , 2019, 8, 1-8.	0.8	13
21	A Circulating Tumor Cell-RNA Assay for Assessment of Androgen Receptor Signaling Inhibitor Sensitivity in Metastatic Castration-Resistant Prostate Cancer. <i>Theranostics</i> , 2019, 9, 2812-2826.	10.0	20
22	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 13973-13983.	8.0	55
23	Noninvasive Prenatal Diagnostics: Recent Developments Using Circulating Fetal Nucleated Cells. <i>Current Obstetrics and Gynecology Reports</i> , 2019, 8, 1-8.	0.8	3
24	A novel ARMS-based assay for the quantification of EGFR mutations in patients with lung adenocarcinoma. <i>Oncology Letters</i> , 2018, 15, 2905-2912.	1.8	17
25	A novel multimarker assay for the phenotypic profiling of circulating tumor cells in hepatocellular carcinoma. <i>Liver Transplantation</i> , 2018, 24, 946-960.	2.4	58
26	NanoVelcro rare-cell assays for detection and characterization of circulating tumor cells. <i>Advanced Drug Delivery Reviews</i> , 2018, 125, 78-93.	13.7	89
27	Cross-Linked Fluorescent Supramolecular Nanoparticles for Intradermal Controlled Release of Antifungal Drug—A Therapeutic Approach for Onychomycosis. <i>ACS Nano</i> , 2018, 12, 6851-6859.	14.6	19
28	Cross-Linked Fluorescent Supramolecular Nanoparticles as Finite Tattoo Pigments with Controllable Intradermal Retention Times. <i>ACS Nano</i> , 2017, 11, 153-162.	14.6	11
29	Imprinted NanoVelcro Microchips for Isolation and Characterization of Circulating Fetal Trophoblasts: Toward Noninvasive Prenatal Diagnostics. <i>ACS Nano</i> , 2017, 11, 8167-8177.	14.6	68
30	Clinical Applications of NanoVelcro Rare-Cell Assays for Detection and Characterization of Circulating Tumor Cells. <i>Theranostics</i> , 2016, 6, 1425-1439.	10.0	56
31	ALK, ROS1 and RET rearrangements in lung squamous cell carcinoma are very rare. <i>Lung Cancer</i> , 2016, 94, 22-27.	2.0	56
32	Detection of epidermal growth factor receptor mutation in lung cancer by droplet digital polymerase chain reaction. <i>OncoTargets and Therapy</i> , 2015, 8, 1533.	2.0	18