

# Ryan Y Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3890643/publications.pdf>

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13  
papers

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1040056

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Supramolecular nanosubstrate-mediated delivery system enables CRISPR-Cas9 knockin of hemoglobin beta gene for hemoglobinopathies. <i>Science Advances</i> , 2020, 6, .	10.3	25
5	Circulating trophoblast cell clusters for early detection of placenta accreta spectrum disorders. <i>Nature Communications</i> , 2021, 12, 4408.	12.8	23
6	Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcoma-Derived Extracellular Vesicles for Downstream Functional Studies. <i>Advanced Functional Materials</i> , 2020, 30, 2003237.	14.9	20
7	Somatic copy number profiling from hepatocellular carcinoma circulating tumor cells. <i>Npj Precision Oncology</i> , 2020, 4, 16.	5.4	16
8	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
9	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
10	Supramolecular Nanosubstrate-Mediated Delivery for CRISPR/Cas9 Gene Disruption and Deletion. <i>Small</i> , 2021, 17, 2100546.	10.0	8
11	Circulating Tumor Cell-Based Messenger RNA Scoring System for Prognostication of Hepatocellular Carcinoma: Translating Tissue-Based Messenger RNA Profiling Into a Noninvasive Setting. <i>Liver Transplantation</i> , 2022, 28, 200-214.	2.4	8
12	Covalent Chemistry-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
13	Sarcoma-Derived Extracellular Vesicles: Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcoma-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