Chao Liu

List of Publications by Year
in descending order

12	1,072	933447 10	1199594 12
papers	citations	h-index	g-index

12	12	12	915
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low-cost thermophoretic profiling of extracellular-vesicle surface proteins for the early detection and classification of cancers. Nature Biomedical Engineering, 2019, 3, 183-193.	22.5	324
2	Thermophoretic Detection of Exosomal microRNAs by Nanoflares. Journal of the American Chemical Society, 2020, 142, 4996-5001.	13.7	187
3	Protein analysis of extracellular vesicles to monitor and predict therapeutic response in metastatic breast cancer. Nature Communications, 2021, 12, 2536.	12.8	147
4	Molecular Identification of Tumor-Derived Extracellular Vesicles Using Thermophoresis-Mediated DNA Computation. Journal of the American Chemical Society, 2021, 143, 1290-1295.	13.7	127
5	Rapid One-Step Detection of Viral Particles Using an Aptamer-Based Thermophoretic Assay. Journal of the American Chemical Society, 2021, 143, 7261-7266.	13.7	94
6	Ultrasensitive detection of mRNA in extracellular vesicles using DNA tetrahedron-based thermophoretic assay. Nano Today, 2021, 38, 101203.	11.9	47
7	Microfluidic technologies for nanoparticle formation. Lab on A Chip, 2022, 22, 512-529.	6.0	45
8	Nanosensors for Diagnosis of Infectious Diseases. ACS Applied Bio Materials, 2021, 4, 3863-3879.	4.6	34
9	Microfluidic Separation, Detection, and Engineering of Extracellular Vesicles for Cancer Diagnostics and Drug Delivery. Accounts of Materials Research, 2022, 3, 498-510.	11.7	27
10	Thermomicrofluidics for biosensing applications. View, 2021, 2, 20200148.	5.3	26
11	<scp>Exosomeâ€Coated</scp> Zeolitic Imidazolate Framework Nanoparticles for Intracellular Detection of <scp>ATP</scp>^{â€}. Chinese Journal of Chemistry, 2021, 39, 2107-2112.	4.9	11
12	Oneâ€Step Thermophoretic AND Gate Operation on Extracellular Vesicles Improves Diagnosis of Prostate Cancer. Angewandte Chemie, 2022, 134, .	2.0	3