

Tony Hu

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,799
citations

361296

20
h-index

289141

40
g-index

43
all docs

43
docs citations

43
times ranked

2869
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-sensitive and high-throughput CRISPR-powered COVID-19 diagnosis. <i>Biosensors and Bioelectronics</i> , 2020, 164, 112316.	5.3	265
2	Insights from nanomedicine into chloroquine efficacy against COVID-19. <i>Nature Nanotechnology</i> , 2020, 15, 247-249.	15.6	250
3	A smartphone-read ultrasensitive and quantitative saliva test for COVID-19. <i>Science Advances</i> , 2021, 7, .	4.7	175
4	Neuropathology and virus in brain of SARS-CoV-2 infected non-human primates. <i>Nature Communications</i> , 2022, 13, 1745.	5.8	108
5	Clinical applications of exosome membrane proteins. <i>Precision Clinical Medicine</i> , 2020, 3, 54-66.	1.3	101
6	Extracellular vesicle activities regulating macrophage- and tissue-mediated injury and repair responses. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1493-1512.	5.7	100
7	Liposome-mediated detection of SARS-CoV-2 RNA-positive extracellular vesicles in plasma. <i>Nature Nanotechnology</i> , 2021, 16, 1039-1044.	15.6	90
8	Extracellular Vesicles in Cancer Detection: Hopes and Hypes. <i>Trends in Cancer</i> , 2021, 7, 122-133.	3.8	86
9	Extracellular vesicles as cancer liquid biopsies: from discovery, validation, to clinical application. <i>Lab on A Chip</i> , 2019, 19, 1114-1140.	3.1	70
10	Circulating Extracellular Vesicles Carrying Sphingolipid Cargo for the Diagnosis and Dynamic Risk Profiling of Alcoholic Hepatitis. <i>Hepatology</i> , 2021, 73, 571-585.	3.6	56
11	Point-of-Care Tissue Analysis Using Miniature Mass Spectrometer. <i>Analytical Chemistry</i> , 2019, 91, 1157-1163.	3.2	44
12	Extracellular vesicle tetraspanin-8 level predicts distant metastasis in non-small cell lung cancer after concurrent chemoradiation. <i>Science Advances</i> , 2020, 6, eaaz6162.	4.7	42
13	Large-scale Identification of N-linked Intact Glycopeptides in Human Serum using HILIC Enrichment and Spectral Library Search. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 672-689.	2.5	42
14	Rapid Lipid-Based Approach for Normalization of Quantum-Dot-Detected Biomarker Expression on Extracellular Vesicles in Complex Biological Samples. <i>Nano Letters</i> , 2019, 19, 7623-7631.	4.5	37
15	Nanomedicine therapies modulating Macrophage Dysfunction: a potential strategy to attenuate Cytokine Storms in severe infections. <i>Theranostics</i> , 2020, 10, 9591-9600.	4.6	36
16	Tumor-derived exosomes (TDEs): How to avoid the sting in the tail. <i>Medicinal Research Reviews</i> , 2020, 40, 385-412.	5.0	35
17	A low cost mobile phone dark-field microscope for nanoparticle-based quantitative studies. <i>Biosensors and Bioelectronics</i> , 2018, 99, 513-518.	5.3	31
18	COVID-19 in allogeneic stem cell transplant: high false-negative probability and role of CRISPR and convalescent plasma. <i>Bone Marrow Transplantation</i> , 2020, 55, 2354-2356.	1.3	27

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19	CRISPR detection of circulating cell-free Mycobacterium tuberculosis DNA in adults and children, including children with HIV: a molecular diagnostics study. <i>Lancet Microbe</i> , The, 2022, 3, e482-e492.	3.4	27
20	Ultra-Sensitive Automated Profiling of EpCAM Expression on Tumor-Derived Extracellular Vesicles. <i>Frontiers in Genetics</i> , 2019, 10, 1273.	1.1	24
21	Sensitive tracking of circulating viral RNA through all stages of SARS-CoV-2 infection. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	21
22	Circulating extracellular vesicles are a biomarker for NAFLD resolution and response to weight loss surgery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 36, 102430.	1.7	19
23	Safety and efficacy of COVID-19 convalescent plasma in severe pulmonary disease: A report of 17 patients. <i>Transfusion Medicine</i> , 2021, 31, 217-220.	0.5	15
24	Rapid detection of multiple SARS-CoV-2 variants of concern by PAM-targeting mutations. <i>Cell Reports Methods</i> , 2022, 2, 100173.	1.4	12
25	Peptidomic analysis of mycobacterial secreted proteins enables species identification. <i>View</i> , 2022, 3, .	2.7	10
26	Using Nanoplasmon-Enhanced Scattering and Low-Magnification Microscope Imaging to Quantify Tumor-Derived Exosomes. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	9
27	Strategies for advanced personalized tuberculosis diagnosis: Current technologies and clinical approaches. <i>Precision Clinical Medicine</i> , 2021, 4, 35-44.	1.3	8
28	Dye-free spectrophotometric measurement of nucleic acid-to-protein ratio for cell-selective extracellular vesicle discrimination. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113058.	5.3	8
29	Cathepsin B Dependent Cleavage Product of Serum Amyloid A1 Identifies Patients with Chemotherapy-Related Cardiotoxicity. <i>ACS Pharmacology and Translational Science</i> , 2019, 2, 333-341.	2.5	6
30	Evaluation of a serum-based antigen test for tuberculosis in HIV-exposed infants: a diagnostic accuracy study. <i>BMC Medicine</i> , 2021, 19, 113.	2.3	6
31	High mortality with High false negative rate: COVID-19 infection in patients with hematologic malignancies. <i>Leukemia Research</i> , 2021, 106, 106582.	0.4	6
32	Silicon Nanodisk Huygens Metasurfaces for Portable and Low-Cost Refractive Index and Biomarker Sensing. <i>ACS Applied Nano Materials</i> , 2022, 5, 3983-3991.	2.4	6
33	Nanoplasmonic Sensor Approaches for Sensitive Detection of Disease-Associated Exosomes. <i>ACS Applied Bio Materials</i> , 2021, 4, 6589-6603.	2.3	5
34	Simulation-directed amplifiable nanoparticle enhanced quantitative scattering assay under low magnification dark field microscopy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5416-5419.	2.9	5
35	Nano for CRISPR. <i>ACS Nano</i> , 2022, 16, 8505-8506.	7.3	5
36	Circulating levels of hydroxylated bradykinin function as an indicator of tissue HIF-1 α expression. <i>Science Bulletin</i> , 2020, 65, 1570-1579.	4.3	3

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37	Serum-Based Diagnosis of Pediatric Tuberculosis by Assay of Mycobacterium tuberculosis Factors: a Retrospective Cohort Study. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	1.8	2
38	Species-specific quantification of circulating ebolavirus burden using VP40-derived peptide variants. <i>PLoS Pathogens</i> , 2021, 17, e1010039.	2.1	2
39	Nanoscience and Entrepreneurship. <i>ACS Nano</i> , 2022, 16, 6943-6944.	7.3	2
40	SARS-CoV-2 Epitopes following Infection and Vaccination Overlap Known Neutralizing Antibody Sites. <i>Research</i> , 2022, 2022, .	2.8	2
41	CRISPR-based Assay Reveals SARS-CoV-2 RNA Dynamic Changes and Redistribution Patterns in Non-Human Primate Model. <i>Emerging Microbes and Infections</i> , 2022, , 1-24.	3.0	1
42	Tanks and Truth. <i>ACS Nano</i> , 2022, 16, 4975-4976.	7.3	0