Tony Y Hu

List of Publications by Year
in descending order

67 papers	2,307 citations	331259 21 h-index	233125 45 g-index
70 all docs	70 docs citations	70 times ranked	3553 citing authors

#	Article	IF	Citations
1	Ultra-sensitive and high-throughput CRISPR-p owered COVID-19 diagnosis. Biosensors and Bioelectronics, 2020, 164, 112316.	5.3	265
2	Identification and quantitation of lipid C=C location isomers: A shotgun lipidomics approach enabled by photochemical reaction. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2573-2578.	3.3	260
3	Insights from nanomedicine into chloroquine efficacy against COVID-19. Nature Nanotechnology, 2020, 15, 247-249.	15.6	250
4	A smartphone-read ultrasensitive and quantitative saliva test for COVID-19. Science Advances, 2021, 7, .	4.7	175
5	2D metal carbides and nitrides (MXenes) for sensors and biosensors. Biosensors and Bioelectronics, 2022, 205, 113943.	5.3	112
6	Neuropathology and virus in brain of SARS-CoV-2 infected non-human primates. Nature Communications, 2022, 13, 1745.	5.8	108
7	Extracellular vesicle activities regulating macrophage- and tissue-mediated injury and repair responses. Acta Pharmaceutica Sinica B, 2021, 11, 1493-1512.	5.7	100
8	Liposome-mediated detection of SARS-CoV-2 RNA-positive extracellular vesicles in plasma. Nature Nanotechnology, 2021, 16, 1039-1044.	15.6	90
9	Extracellular Vesicles in Cancer Detection: Hopes and Hypes. Trends in Cancer, 2021, 7, 122-133.	3.8	86
10	The Integrin Binding Peptide, ATN-161, as a Novel Therapy for SARS-CoV-2 Infection. JACC Basic To Translational Science, 2021, 6, 1-8.	1.9	73
11	Extracellular vesicles as cancer liquid biopsies: from discovery, validation, to clinical application. Lab on A Chip, 2019, 19, 1114-1140.	3.1	70
12	Circulating Extracellular Vesicles Carrying Sphingolipid Cargo for the Diagnosis and Dynamic Risk Profiling of Alcoholic Hepatitis. Hepatology, 2021, 73, 571-585.	3.6	56
13	Point-of-Care Tissue Analysis Using Miniature Mass Spectrometer. Analytical Chemistry, 2019, 91, 1157-1163.	3.2	44
14	Extracellular vesicle tetraspanin-8 level predicts distant metastasis in nonâ€“small cell lung cancer after concurrent chemoradiation. Science Advances, 2020, 6, eaaz6162.	4.7	42
15	Large-scale Identification of N-linked Intact Glycopeptides in Human Serum using HILIC Enrichment and Spectral Library Search. Molecular and Cellular Proteomics, 2020, 19, 672-689.	2.5	42
16	Rapid Lipid-Based Approach for Normalization of Quantum-Dot-Detected Biomarker Expression on Extracellular Vesicles in Complex Biological Samples. Nano Letters, 2019, 19, 7623-7631.	4.5	37
17	Nanomedicine therapies modulating Macrophage Dysfunction: a potential strategy to attenuate Cytokine Storms in severe infections. Theranostics, 2020, 10, 9591-9600.	4.6	36
18	Tumorâ€derived exosomes (TDEs): How to avoid the sting in the tail. Medicinal Research Reviews, 2020, 40, 385-412.	5.0	35

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19	A low cost mobile phone dark-field microscope for nanoparticle-based quantitative studies. Biosensors and Bioelectronics, 2018, 99, 513-518.	5.3	31
20	Ct Values Do Not Predict Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Transmissibility in College Students. Journal of Molecular Diagnostics, 2021, 23, 1078-1084.	1.2	29
21	COVID-19 in allogeneic stem cell transplant: high false-negative probability and role of CRISPR and convalescent plasma. Bone Marrow Transplantation, 2020, 55, 2354-2356.	1.3	27
22	Ultra-Sensitive Automated Profiling of EpCAM Expression on Tumor-Derived Extracellular Vesicles. Frontiers in Genetics, 2019, 10, 1273.	1.1	24
23	Correlation of serum hepcidin levels with disease progression in hepatitis B virus-related disease assessed by nanopore film based assay. Scientific Reports, 2016, 6, 34252.	1.6	21
24	Sensitive tracking of circulating viral RNA through all stages of SARS-CoV-2 infection. Journal of Clinical Investigation, 2021, 131, .	3.9	21
25	LYSMD3: A mammalian pattern recognition receptor for chitin. Cell Reports, 2021, 36, 109392.	2.9	19
26	Circulating extracellular vesicles are a biomarker for NAFLD resolution and response to weight loss surgery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 36, 102430.	1.7	19
27	Long Noncoding RNA and Predictive Model To Improve Diagnosis of Clinically Diagnosed Pulmonary Tuberculosis. Journal of Clinical Microbiology, 2020, 58, .	1.8	18
28	Noise Reduction Method for Quantifying Nanoparticle Light Scattering in Low Magnification Dark-Field Microscope Far-Field Images. Analytical Chemistry, 2016, 88, 12001-12005.	3.2	16
29	Aptamer Internalization via Endocytosis Inducing S-Phase Arrest and Priming Maver-1 Lymphoma Cells for Cytarabine Chemotherapy. Theranostics, 2017, 7, 1204-1213.	4.6	15
30	Safety and efficacy of COVIDâ€19 convalescent plasma in severe pulmonary disease: A report of 17 patients. Transfusion Medicine, 2021, 31, 217-220.	0.5	15
31	Circulating Peptidome to Indicate the Tumor-resident Proteolysis. Scientific Reports, 2015, 5, 9327.	1.6	12
32	Rapid detection of multiple SARS-CoV-2 variants of concern by PAM-targeting mutations. Cell Reports Methods, 2022, 2, 100173.	1.4	12
33	Predictive value of serum bradykinin and desArg9-bradykinin levels for chemotherapeutic responses in active tuberculosis patients: A retrospective case series. Tuberculosis, 2016, 101, S109-S118.	0.8	10
34	Peptidomic analysis of mycobacterial secreted proteins enables species identification. View, 2022, 3, .	2.7	10
35	Profiling of Cross-Functional Peptidases Regulated Circulating Peptides in BRCA1 Mutant Breast Cancer. Journal of Proteome Research, 2016, 15, 1534-1545.	1.8	9
36	Using Nanoplasmon-Enhanced Scattering and Low-Magnification Microscope Imaging to Quantify Tumor-Derived Exosomes. Journal of Visualized Experiments, 2019, , .	0.2	9

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37	Strategies for advanced personalized tuberculosis diagnosis: Current technologies and clinical approaches. Precision Clinical Medicine, 2021, 4, 35-44.	1.3	8
38	Dye-free spectrophotometric measurement of nucleic acid-to-protein ratio for cell-selective extracellular vesicle discrimination. Biosensors and Bioelectronics, 2021, 179, 113058.	5.3	8
39	Plasma Levels of Complement Factor I and C4b Peptides Are Associated with HIV Suppression. ACS Infectious Diseases, 2017, 3, 880-885.	1.8	8
40	Circulating Peptidome and Tumor-Resident Proteolysis. The Enzymes, 2017, 42, 1-25.	0.7	7
41	MALDI-TOF mass spectrometry-based quantification of C-peptide in diabetes patients. European Journal of Mass Spectrometry, 2020, 26, 55-62.	0.5	7
42	Lighting up ATP in cells and tissues using a simple aptamer-based fluorescent probe. Mikrochimica Acta, 2021, 188, 352.	2.5	7
43	Mesoporous silica chip: enabled peptide profiling as an effective platform for controlling bio-sample quality and optimizing handling procedure. Clinical Proteomics, 2016, 13, 34.	1.1	6
44	Cathepsin B Dependent Cleavage Product of Serum Amyloid A1 Identifies Patients with Chemotherapy-Related Cardiotoxicity. ACS Pharmacology and Translational Science, 2019, 2, 333-341.	2.5	6
45	Evaluation of a serum-based antigen test for tuberculosis in HIV-exposed infants: a diagnostic accuracy study. BMC Medicine, 2021, 19, 113.	2.3	6
46	High mortality with High false negative rate: COVID-19 infection in patients with hematologic malignancies. Leukemia Research, 2021, 106, 106582.	0.4	6
47	Silicon Nanodisk Huygens Metasurfaces for Portable and Low-Cost Refractive Index and Biomarker Sensing. ACS Applied Nano Materials, 2022, 5, 3983-3991.	2.4	6
48	Multidisciplinary Efforts Driving Translational Theranostics. Theranostics, 2014, 4, 1209-1210.	4.6	5
49	Nanotrap-enabled quantification of KRAS-induced peptide hydroxylation in blood for cancer early detection. Nano Research, 2019, 12, 1445-1452.	5.8	5
50	Simulation-directed amplifiable nanoparticle enhanced quantitative scattering assay under low magnification dark field microscopy. Journal of Materials Chemistry B, 2020, 8, 5416-5419.	2.9	5
51	Assay design for unambiguous identification and quantification of circulating pathogen-derived peptide biomarkers. Theranostics, 2022, 12, 2948-2962.	4.6	3
52	Serum-Based Diagnosis of Pediatric Tuberculosis by Assay of Mycobacterium tuberculosis Factors: a Retrospective Cohort Study. Journal of Clinical Microbiology, 2021, 59, .	1.8	2
53	Editorial: Cancer Cell Mechanobiology - A New Frontier for Cancer Invasion and Metastasis Research. Frontiers in Cell and Developmental Biology, 2021, 9, 775012.	1.8	2
54	Species-specific quantification of circulating ebolavirus burden using VP40-derived peptide variants. PLoS Pathogens, 2021, 17, e1010039.	2.1	2

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55	SARS-CoV-2 Epitopes following Infection and Vaccination Overlap Known Neutralizing Antibody Sites. Research, 2022, 2022, .	2.8	2
56	Nickel affinity: A sensible approach for extracellular vesicles isolation?. EBioMedicine, 2019, 44, 14-15.	2.7	1
57	Differential processing of highâ€molecularâ€weight kininogen during normal pregnancy. Rapid Communications in Mass Spectrometry, 2020, 34, e8552.	0.7	1
58	COVID-19 Convalescent Plasma Decreased Oxygen Requirement and Hospital Stay in COVID-19 Hospitalized Patients Including Those with Hematological Malignancies: A Report of 16 Patients. Blood, 2020, 136, 40-41.	0.6	1
59	COVID-19 in Patients with Hematological Malignancies: High False Negative Rate with High Mortality. Blood, 2020, 136, 6-7.	0.6	1
60	CRISPR-based Assay Reveals SARS-CoV-2 RNA Dynamic Changes and Redistribution Patterns in Non-Human Primate Model. Emerging Microbes and Infections, 2022, , 1-24.	3.0	1
61	Can sugarcoated fingerprints be used to identify lurking viruses?. Proteomics, 2016, 16, 1947-1948.	1.3	0
62	Cover Image, Volume 40, Issue 1. Medicinal Research Reviews, 2020, 40, i.	5.0	0
63	Abstract 1833: KRAS-regulated P4HA1 in pancreatic tumor and its hydroxylated peptide as a serum biomarker for early diagnosis. , 2015, , .		0
64	Decoding the Blood Peptidome as a New Biomarker Resource for Cancer Detection. MOJ Proteomics & Bioinformatics, 2016, 3, .	0.1	0
65	Authors' Reply. Journal of Molecular Diagnostics, 2022, 24, 103.	1.2	0
66	Epitope Profiling Reveals the Antibody Immune Response Difference Between COVIDâ€19 Infected and Vaccinated. FASEB Journal, 2022, 36, .	0.2	0
67	Inflammation and Hypoxia May Underlie Neuronal Death in Brain of SARSâ€CoVâ€2 Infected Nonâ€Human Primates. FASEB Journal, 2022, 36, .	0.2	0