

Tony Y Hu

List of Publications by Citations

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

1,163
citations

17
h-index

33
g-index

70
ext. papers

1,738
ext. citations

8.5
avg, IF

5.44
L-index

#	Paper	IF	Citations
60	Identification and quantitation of lipid C=C location isomers: A shotgun lipidomics approach enabled by photochemical reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2573-8	11.5	201
59	Insights from nanomedicine into chloroquine efficacy against COVID-19. <i>Nature Nanotechnology</i> , 2020 , 15, 247-249	28.7	183
58	Ultra-sensitive and high-throughput CRISPR-powered COVID-19 diagnosis. <i>Biosensors and Bioelectronics</i> , 2020 , 164, 112316	11.8	175
57	A smartphone-read ultrasensitive and quantitative saliva test for COVID-19. <i>Science Advances</i> , 2021 , 7,	14.3	76
56	Extracellular vesicles as cancer liquid biopsies: from discovery, validation, to clinical application. <i>Lab on A Chip</i> , 2019 , 19, 1114-1140	7.2	45
55	Extracellular Vesicles in Cancer Detection: Hopes and Hypes. <i>Trends in Cancer</i> , 2021 , 7, 122-133	12.5	38
54	The Integrin Binding Peptide, ATN-161, as a Novel Therapy for SARS-CoV-2 Infection. <i>JACC Basic To Translational Science</i> , 2021 , 6, 1-8	8.7	35
53	Point-of-Care Tissue Analysis Using Miniature Mass Spectrometer. <i>Analytical Chemistry</i> , 2019 , 91, 1157-1163	11.3	29
52	Circulating Extracellular Vesicles Carrying Sphingolipid Cargo for the Diagnosis and Dynamic Risk Profiling of Alcoholic Hepatitis. <i>Hepatology</i> , 2021 , 73, 571-585	11.2	29
51	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	11.5	23
50	Extracellular vesicle tetraspanin-8 level predicts distant metastasis in non-small cell lung cancer after concurrent chemoradiation. <i>Science Advances</i> , 2020 , 6, eaaz6162	14.3	22
49	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	7.6	21
48	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	4.4	20
47	Tumor-derived exosomes (TDEs): How to avoid the sting in the tail. <i>Medicinal Research Reviews</i> , 2020 , 40, 385-412	14.4	19
46	Extracellular vesicle activities regulating macrophage- and tissue-mediated injury and repair responses. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 1493-1512	15.5	18
45	A low cost mobile phone dark-field microscope for nanoparticle-based quantitative studies. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 513-518	11.8	18
44	Nanomedicine therapies modulating Macrophage Dysfunction: a potential strategy to attenuate Cytokine Storms in severe infections. <i>Theranostics</i> , 2020 , 10, 9591-9600	12.1	17

43	Liposome-mediated detection of SARS-CoV-2 RNA-positive extracellular vesicles in plasma. <i>Nature Nanotechnology</i> , 2021 , 16, 1039-1044	28.7	16
42	Correlation of serum hepcidin levels with disease progression in hepatitis B virus-related disease assessed by nanopore film based assay. <i>Scientific Reports</i> , 2016 , 6, 34252	4.9	15
41	Aptamer Internalization via Endocytosis Inducing S-Phase Arrest and Priming Maver-1 Lymphoma Cells for Cytarabine Chemotherapy. <i>Theranostics</i> , 2017 , 7, 1204-1213	12.1	14
40	2D metal carbides and nitrides (MXenes) for sensors and biosensors.. <i>Biosensors and Bioelectronics</i> , 2022 , 205, 113943	11.8	14
39	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	1.3	11
38	Circulating peptidome to indicate the tumor-resident proteolysis. <i>Scientific Reports</i> , 2015 , 5, 9327	4.9	10
37	Ct Values Do Not Predict Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Transmissibility in College Students. <i>Journal of Molecular Diagnostics</i> , 2021 , 23, 1078-1084	5.1	9
36	Noise Reduction Method for Quantifying Nanoparticle Light Scattering in Low Magnification Dark-Field Microscope Far-Field Images. <i>Analytical Chemistry</i> , 2016 , 88, 12001-12005	7.8	8
35	Sensitive tracking of circulating viral RNA through all stages of SARS-CoV-2 infection. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	8
34	Predictive value of serum bradykinin and desArg-bradykinin levels for chemotherapeutic responses in active tuberculosis patients: A retrospective case series. <i>Tuberculosis</i> , 2016 , 101S, S109-S118	2.6	8
33	Ultra-Sensitive Automated Profiling of EpCAM Expression on Tumor-Derived Extracellular Vesicles. <i>Frontiers in Genetics</i> , 2019 , 10, 1273	4.5	8
32	Long Noncoding RNA and Predictive Model To Improve Diagnosis of Clinically Diagnosed Pulmonary Tuberculosis. <i>Journal of Clinical Microbiology</i> , 2020 , 58,	9.7	8
31	Profiling of Cross-Functional Peptidases Regulated Circulating Peptides in BRCA1 Mutant Breast Cancer. <i>Journal of Proteome Research</i> , 2016 , 15, 1534-45	5.6	7
30	Mesoporous silica chip: enabled peptide profiling as an effective platform for controlling bio-sample quality and optimizing handling procedure. <i>Clinical Proteomics</i> , 2016 , 13, 34	5	5
29	Circulating Peptidome and Tumor-Resident Proteolysis. <i>The Enzymes</i> , 2017 , 42, 1-25	2.3	4
28	Plasma Levels of Complement Factor I and C4b Peptides Are Associated with HIV Suppression. <i>ACS Infectious Diseases</i> , 2017 , 3, 880-885	5.5	4
27	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	6	4
26	Neuropathology and virus in brain of SARS-CoV-2 infected non-human primates.. <i>Nature Communications</i> , 2022 , 13, 1745	17.4	4

25	Using Nanoplasmon-Enhanced Scattering and Low-Magnification Microscope Imaging to Quantify Tumor-Derived Exosomes. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	3
24	Nanotrap-enabled quantification of KRAS-induced peptide hydroxylation in blood for cancer early detection. <i>Nano Research</i> , 2019 , 12, 1445-1452	10	3
23	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	7.3	3
22	Strategies for advanced personalized tuberculosis diagnosis: Current technologies and clinical approaches. <i>Precision Clinical Medicine</i> , 2021 , 4, 35-44	6.7	3
21	Lighting up ATP in cells and tissues using a simple aptamer-based fluorescent probe. <i>Mikrochimica Acta</i> , 2021 , 188, 352	5.8	3
20	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	5.9	2
19	The Integrin Binding Peptide, ATN-161, as a Novel Therapy for SARS-CoV-2 Infection 2020 ,		2
18	MALDI-TOF mass spectrometry-based quantification of C-peptide in diabetes patients. <i>European Journal of Mass Spectrometry</i> , 2020 , 26, 55-62	1.1	2
17	Nickel affinity: A sensible approach for extracellular vesicles isolation?. <i>EBioMedicine</i> , 2019 , 44, 14-15	8.8	1
16	COVID-19 in Patients with Hematological Malignancies: High False Negative Rate with High Mortality. <i>Blood</i> , 2020 , 136, 6-7	2.2	1
15	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. <i>Blood</i> , 2020 , 136, 40-41	2.2	1
14	Species-specific quantification of circulating ebolavirus burden using VP40-derived peptide variants. <i>PLoS Pathogens</i> , 2021 , 17, e1010039	7.6	1
13	SARS-CoV-2 Load does not Predict Transmissibility in College Students		1
12	Evaluation of a serum-based antigen test for tuberculosis in HIV-exposed infants: a diagnostic accuracy study. <i>BMC Medicine</i> , 2021 , 19, 113	11.4	1
11	High mortality with High false negative rate: COVID-19 infection in patients with hematologic malignancies. <i>Leukemia Research</i> , 2021 , 106, 106582	2.7	1
10	LYSMD3: A mammalian pattern recognition receptor for chitin. <i>Cell Reports</i> , 2021 , 36, 109392	10.6	1
9	Silicon Nanodisk Huygens Metasurfaces for Portable and Low-Cost Refractive Index and Biomarker Sensing.. <i>ACS Applied Nano Materials</i> , 2022 , 5, 3983-3991	5.6	1
8	Peptidomic analysis of mycobacterial secreted proteins enables species identification. <i>View</i> , 2021 0019	7.8	1

7	Rapid detection of multiple SARS-CoV-2 variants of concern by PAM-targeting mutations.. <i>Cell Reports Methods</i> , 2022 , 2, 100173		0
6	Dye-free spectrophotometric measurement of nucleic acid-to-protein ratio for cell-selective extracellular vesicle discrimination. <i>Biosensors and Bioelectronics</i> , 2021 , 179, 113058	11.8	0
5	AuthorsTReply.. <i>Journal of Molecular Diagnostics</i> , 2022 , 24, 103	5.1	
4	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	18.9	
3	Can sugarcoated fingerprints be used to identify lurking viruses?. <i>Proteomics</i> , 2016 , 16, 1947-8	4.8	
2	Differential processing of high-molecular-weight kininogen during normal pregnancy. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34 Suppl 1, e8552	2.2	
1	Assay design for unambiguous identification and quantification of circulating pathogen-derived peptide biomarkers.. <i>Theranostics</i> , 2022 , 12, 2948-2962	12.1	