

Muneesh Tewari

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6119154/publications.pdf>

Version: 2024-02-01

68
papers

18,090
citations

186265

28
h-index

98798

67
g-index

77
all docs

77
docs citations

77
times ranked

25898
citing authors

#	ARTICLE	IF	CITATIONS
1	Early HPV ctDNA Kinetics and Imaging Biomarkers Predict Therapeutic Response in p16+ Oropharyngeal Squamous Cell Carcinoma. <i>Clinical Cancer Research</i> , 2022, 28, 350-359.	7.0	38
2	Highly sensitive and quantitative biodetection with lipid-polymer hybrid nanoparticles having organic room-temperature phosphorescence. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113889.	10.1	8
3	Risk Factors for COVID-19 in College Students Identified by Physical, Mental, and Social Health Reported During the Fall 2020 Semester: Observational Study Using the Roadmap App and Fitbit Wearable Sensors. <i>JMIR Mental Health</i> , 2022, 9, e34645.	3.3	6
4	Attomolar Sensitivity in Single Biomarker Counting upon Aqueous Two-Phase Surface Enrichment. <i>ACS Sensors</i> , 2022, , .	7.8	4
5	Consumer-grade wearables identify changes in multiple physiological systems during COVID-19 disease progression. <i>Cell Reports Medicine</i> , 2022, 3, 100601.	6.5	10
6	Trans-Renal Cell-Free Tumor DNA for Urine-Based Liquid Biopsy of Cancer. <i>Frontiers in Genetics</i> , 2022, 13, 879108.	2.3	12
7	High-frequency temperature monitoring at home using a wearable device: A case series of early fever detection and antibiotic administration for febrile neutropenia with bacteremia. <i>Pediatric Blood and Cancer</i> , 2022, 69, .	1.5	6
8	Phospho-RNAseq Profiling of Extracellular mRNAs and lncRNAs. <i>Methods in Molecular Biology</i> , 2021, 2348, 257-271.	0.9	0
9	Surveillance and Monitoring Techniques for HPV-Related Head and Neck Squamous Cell Carcinoma: Circulating Tumor DNA. <i>Current Treatment Options in Oncology</i> , 2021, 22, 21.	3.0	6
10	One-Step Multiplexed Droplet Digital Polymerase Chain Reaction for Quantification of p190 BCR-ABL1 Fusion Transcript in B-Lymphoblastic Leukemia. <i>Archives of Pathology and Laboratory Medicine</i> , 2021, , .	2.5	1
11	Severe Acute Respiratory Syndrome Coronavirus 2 Total and Subgenomic RNA Viral Load in Hospitalized Patients. <i>Journal of Infectious Diseases</i> , 2021, 224, 1287-1293.	4.0	38
12	Monitoring Beliefs and Physiological Measures Using Wearable Sensors and Smartphone Technology Among Students at Risk of COVID-19: Protocol for a mHealth Study. <i>JMIR Research Protocols</i> , 2021, 10, e29561.	1.0	8
13	Machine learning-based cytokine microarray digital immunoassay analysis. <i>Biosensors and Bioelectronics</i> , 2021, 180, 113088.	10.1	26
14	Monitoring Health Care Workers at Risk for COVID-19 Using Wearable Sensors and Smartphone Technology: Protocol for an Observational mHealth Study. <i>JMIR Research Protocols</i> , 2021, 10, e29562.	1.0	10
15	Rapid kinetic fingerprinting of single nucleic acid molecules by a FRET-based dynamic nanosensor. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113433.	10.1	10
16	Human papilloma virus circulating tumor DNA assay predicts treatment response in recurrent/metastatic head and neck squamous cell carcinoma. <i>Oncotarget</i> , 2021, 12, 1214-1229.	1.8	37
17	Targeting the Gut Microbiome to Mitigate Immunotherapy-Induced Colitis in Cancer. <i>Trends in Cancer</i> , 2021, 7, 583-593.	7.4	26
18	High-frequency temperature monitoring for early detection of febrile adverse events in patients with cancer. <i>Cancer Cell</i> , 2021, 39, 1167-1168.	16.8	7

#	ARTICLE	IF	CITATIONS
19	Implementation of human papillomavirus circulating tumor DNA to identify recurrence during treatment de-escalation. <i>Oral Oncology</i> , 2021, 121, 105332.	1.5	15
20	Direct Kinetic Fingerprinting for High-Accuracy Single-Molecule Counting of Diverse Disease Biomarkers. <i>Accounts of Chemical Research</i> , 2021, 54, 388-402.	15.6	30
21	Ultraspecific analyte detection by direct kinetic fingerprinting of single molecules. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115764.	11.4	14
22	A Pilot Study of Atezolizumab Plus Hypofractionated Image Guided Radiation Therapy for the Treatment of Advanced Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 170-177.	0.8	13
23	Real-time, personalized medicine through wearable sensors and dynamic predictive modeling: A new paradigm for clinical medicine. <i>Current Opinion in Systems Biology</i> , 2020, 20, 17-25.	2.6	38
24	Direct kinetic fingerprinting and digital counting of single protein molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22815-22822.	7.1	35
25	A Systematic Review of Machine Learning Techniques in Hematopoietic Stem Cell Transplantation (HSCT). <i>Sensors</i> , 2020, 20, 6100.	3.8	24
26	Predicting Acute Graft-Versus-Host Disease Using Machine Learning and Longitudinal Vital Sign Data From Electronic Health Records. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 128-135.	2.1	26
27	Discovery of Circulating, Cell-Free MicroRNAs: Fundamental Science Forges a New Path for Biomarker Discovery. <i>Clinical Chemistry</i> , 2020, 66, 493-494.	3.2	1
28	Minimum Technical Data Elements for Liquid Biopsy Data Submitted to Public Databases. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 107, 730-734.	4.7	22
29	Promoting Health and Well-Being Through Mobile Health Technology (Roadmap 2.0) in Family Caregivers and Patients Undergoing Hematopoietic Stem Cell Transplantation: Protocol for the Development of a Mobile Randomized Controlled Trial. <i>JMIR Research Protocols</i> , 2020, 9, e19288.	1.0	15
30	A guide to nucleic acid detection by single-molecule kinetic fingerprinting. <i>Methods</i> , 2019, 153, 3-12.	3.8	31
31	Phospho- RNA^{seq} : a modified small RNA^{seq} method that reveals circulating mRNA and lncRNA fragments as potential biomarkers in human plasma. <i>EMBO Journal</i> , 2019, 38, .	7.8	72
32	Circulating microRNAs as biomarkers of radiation-induced cardiac toxicity in non-small-cell lung cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 1635-1643.	2.5	24
33	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. <i>Cell</i> , 2019, 177, 231-242.	28.9	152
34	A Pipeline for Faecal Host DNA Analysis by Absolute Quantification of LINE-1 and Mitochondrial Genomic Elements Using ddPCR. <i>Scientific Reports</i> , 2019, 9, 5599.	3.3	9
35	Computational analysis of continuous body temperature provides early discrimination of graft-versus-host disease in mice. <i>Blood Advances</i> , 2019, 3, 3977-3981.	5.2	5
36	Droplet Digital PCR for Absolute Quantification of Extracellular MicroRNAs in Plasma and Serum: Quantification of the Cancer Biomarker hsa-miR-141. <i>Methods in Molecular Biology</i> , 2018, 1768, 459-474.	0.9	9

#	ARTICLE	IF	CITATIONS
37	Serum MicroRNA Signature Predicts Response to High-Dose Radiation Therapy in Locally Advanced Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 107-114.	0.8	28
38	Circulating microRNAs and treatment response in the Phase II SWOG S0925 study for patients with new metastatic hormone-sensitive prostate cancer. <i>Prostate</i> , 2018, 78, 121-127.	2.3	28
39	Seeking Early Hints of Cancer in Blood: Combine to Conquer. <i>Gastroenterology</i> , 2018, 155, 928-930.	1.3	0
40	Comprehensive multi-center assessment of small RNA-seq methods for quantitative miRNA profiling. <i>Nature Biotechnology</i> , 2018, 36, 746-757.	17.5	134
41	Ultraspecific and Amplification-Free Quantification of Mutant DNA by Single-Molecule Kinetic Fingerprinting. <i>Journal of the American Chemical Society</i> , 2018, 140, 11755-11762.	13.7	43
42	Tumor characterization by ultrasound-release of multiple protein and microRNA biomarkers, preclinical and clinical evidence. <i>PLoS ONE</i> , 2018, 13, e0194268.	2.5	12
43	BMT Roadmap: A User-Centered Design Health Information Technology Tool to Promote Patient-Centered Care in Pediatric Hematopoietic Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2017, 23, 813-819.	2.0	48
44	Monitoring Daily Dynamics of Early Tumor Response to Targeted Therapy by Detecting Circulating Tumor DNA in Urine. <i>Clinical Cancer Research</i> , 2017, 23, 4716-4723.	7.0	102
45	CitH3: a reliable blood biomarker for diagnosis and treatment of endotoxic shock. <i>Scientific Reports</i> , 2017, 7, 8972.	3.3	60
46	Release of Cell-free MicroRNA Tumor Biomarkers into the Blood Circulation with Pulsed Focused Ultrasound: A Noninvasive, Anatomically Localized, Molecular Liquid Biopsy. <i>Radiology</i> , 2017, 283, 158-167.	7.3	30
47	High-throughput sequencing of two populations of extracellular vesicles provides an mRNA signature that can be detected in the circulation of breast cancer patients. <i>RNA Biology</i> , 2017, 14, 305-316.	3.1	43
48	Rapid, ultra low coverage copy number profiling of cell-free DNA as a precision oncology screening strategy. <i>Oncotarget</i> , 2017, 8, 89848-89866.	1.8	45
49	Mutant DNA quantification by digital PCR can be confounded by heating during DNA fragmentation. <i>BioTechniques</i> , 2016, 60, 175-185.	1.8	12
50	Comparative analysis of circulating tumor DNA stability In K3EDTA, Streck, and CellSave blood collection tubes. <i>Clinical Biochemistry</i> , 2016, 49, 1354-1360.	1.9	175
51	User-Centered Design Groups to Engage Patients and Caregivers with a Personalized Health Information Technology Tool. <i>Biology of Blood and Marrow Transplantation</i> , 2016, 22, 349-358.	2.0	50
52	Evaluating Serum Markers for Hormone Receptor-Negative Breast Cancer. <i>PLoS ONE</i> , 2015, 10, e0142911.	2.5	4
53	Molecular Portraits of Epithelial, Mesenchymal, and Hybrid States in Lung Adenocarcinoma and Their Relevance to Survival. <i>Cancer Research</i> , 2015, 75, 1789-1800.	0.9	179
54	Platelet-Synthesized Testosterone in Men with Prostate Cancer Induces Androgen Receptor Signaling. <i>Neoplasia</i> , 2015, 17, 490-496.	5.3	8

#	ARTICLE	IF	CITATIONS
55	Kinetic fingerprinting to identify and count single nucleic acids. <i>Nature Biotechnology</i> , 2015, 33, 730-732.	17.5	120
56	A functional extracellular transcriptome in animals? implications for biology, disease and medicine. <i>Genome Biology</i> , 2015, 16, 47.	8.8	9
57	A Novel Health Information Technology Communication System to Increase Caregiver Activation in the Context of Hospital-Based Pediatric Hematopoietic Cell Transplantation: A Pilot Study. <i>JMIR Research Protocols</i> , 2015, 4, e119.	1.0	23
58	Systematic design and functional analysis of artificial microRNAs. <i>Nucleic Acids Research</i> , 2014, 42, 6064-6077.	14.5	14
59	Quantitative and stoichiometric analysis of the microRNA content of exosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14888-14893.	7.1	880
60	Exosomes in human semen carry a distinctive repertoire of small non-coding RNAs with potential regulatory functions. <i>Nucleic Acids Research</i> , 2014, 42, 7290-7304.	14.5	486
61	Absolute quantification by droplet digital PCR versus analog real-time PCR. <i>Nature Methods</i> , 2013, 10, 1003-1005.	19.0	1,182
62	Plasma Processing Conditions Substantially Influence Circulating microRNA Biomarker Levels. <i>PLoS ONE</i> , 2013, 8, e64795.	2.5	258
63	Circulating microRNA Profiling Identifies a Subset of Metastatic Prostate Cancer Patients with Evidence of Cancer-Associated Hypoxia. <i>PLoS ONE</i> , 2013, 8, e69239.	2.5	147
64	Blood Cell Origin of Circulating MicroRNAs: A Cautionary Note for Cancer Biomarker Studies. <i>Cancer Prevention Research</i> , 2012, 5, 492-497.	1.5	784
65	MicroRNA profiling: approaches and considerations. <i>Nature Reviews Genetics</i> , 2012, 13, 358-369.	16.3	1,453
66	Argonaute2 complexes carry a population of circulating microRNAs independent of vesicles in human plasma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5003-5008.	7.1	2,852
67	Analysis of circulating microRNA biomarkers in plasma and serum using quantitative reverse transcription-PCR (qRT-PCR). <i>Methods</i> , 2010, 50, 298-301.	3.8	1,016
68	Circulating microRNAs as stable blood-based markers for cancer detection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10513-10518.	7.1	7,047