

# Muneesh Tewari

## List of Publications by Year in Descending Order

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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.

67  
papers

14,577  
citations

23  
h-index

77  
g-index

77  
ext. papers

16,589  
ext. citations

9.8  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
67	Risk Factors for COVID-19 in College Students Identified by Physical, Mental, and Social Health Reported During the Fall 2020 Semester: An Observational Study Using the Roadmap app and Fitbit Wearable Sensors.. <i>JMIR Mental Health</i> , <b>2022</b> ,	6	1
66	Consumer-grade wearables identify changes in multiple physiological systems during COVID-19 disease progression.. <i>Cell Reports Medicine</i> , <b>2022</b> , 3, 100601	18	1
65	Trans-Renal Cell-Free Tumor DNA for Urine-Based Liquid Biopsy of Cancer.. <i>Frontiers in Genetics</i> , <b>2022</b> , 13, 879108	4.5	0
64	Highly sensitive and quantitative biodetection with lipid-polymer hybrid nanoparticles having organic room-temperature phosphorescence.. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 199, 113889	11.8	1
63	Early HPV ctDNA Kinetics and Imaging Biomarkers Predict Therapeutic Response in p16+ Oropharyngeal Squamous Cell Carcinoma. <i>Clinical Cancer Research</i> , <b>2021</b> ,	12.9	2
62	Direct Kinetic Fingerprinting for High-Accuracy Single-Molecule Counting of Diverse Disease Biomarkers. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 388-402	24.3	4
61	SARS-CoV-2 Total and Subgenomic RNA Viral Load in Hospitalized Patients <b>2021</b> ,		5
60	Severe Acute Respiratory Syndrome Coronavirus 2 Total and Subgenomic RNA Viral Load in Hospitalized Patients. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 224, 1287-1293	7	14
59	Monitoring beliefs and physiological measures in students at risk for COVID-19 using wearable sensors and smartphone technology: Protocol for a mobile health study. <i>JMIR Research Protocols</i> , <b>2021</b> ,	2	4
58	Machine learning-based cytokine microarray digital immunoassay analysis. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 180, 113088	11.8	6
57	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> , <b>2021</b> , 10, e29562	2	1
56	Rapid kinetic fingerprinting of single nucleic acid molecules by a FRET-based dynamic nanosensor. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 190, 113433	11.8	3
55	Human papilloma virus circulating tumor DNA assay predicts treatment response in recurrent/metastatic head and neck squamous cell carcinoma. <i>Oncotarget</i> , <b>2021</b> , 12, 1214-1229	3.3	5
54	Targeting the Gut Microbiome to Mitigate Immunotherapy-Induced Colitis in Cancer. <i>Trends in Cancer</i> , <b>2021</b> , 7, 583-593	12.5	4
53	Phospho-RNAseq Profiling of Extracellular mRNAs and lncRNAs. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2348, 257-271	1.4	
52	Surveillance and Monitoring Techniques for HPV-Related Head and Neck Squamous Cell Carcinoma: Circulating Tumor DNA. <i>Current Treatment Options in Oncology</i> , <b>2021</b> , 22, 21	5.4	2
51	High-frequency temperature monitoring for early detection of febrile adverse events in patients with cancer. <i>Cancer Cell</i> , <b>2021</b> , 39, 1167-1168	24.3	0

50	Implementation of human papillomavirus circulating tumor DNA to identify recurrence during treatment de-escalation. <i>Oral Oncology</i> , <b>2021</b> , 121, 105332	4.4	3
49	A Systematic Review of Machine Learning Techniques in Hematopoietic Stem Cell Transplantation (HSCT). <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
48	Predicting Acute Graft-Versus-Host Disease Using Machine Learning and Longitudinal Vital Sign Data From Electronic Health Records. <i>JCO Clinical Cancer Informatics</i> , <b>2020</b> , 4, 128-135	5.2	9
47	Discovery of Circulating, Cell-Free MicroRNAs: Fundamental Science Forges a New Path for Biomarker Discovery. <i>Clinical Chemistry</i> , <b>2020</b> , 66, 493-494	5.5	1
46	Minimum Technical Data Elements for Liquid Biopsy Data Submitted to Public Databases. <i>Clinical Pharmacology and Therapeutics</i> , <b>2020</b> , 107, 730-734	6.1	6
45	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> , <b>2020</b> , 9, e19288	2	5
44	Ultraspecific analyte detection by direct kinetic fingerprinting of single molecules. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 123, 115764-115764	14.6	6
43	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> , <b>2020</b> , 108, 170-177	4	6
42	Real-time, personalized medicine through wearable sensors and dynamic predictive modeling: a new paradigm for clinical medicine. <i>Current Opinion in Systems Biology</i> , <b>2020</b> , 20, 17-25	3.2	17
41	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> , <b>2020</b> , 117, 22815-22822	11.5	5
40	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> , <b>2019</b> , 38,	13	35
39	Circulating microRNAs as biomarkers of radiation-induced cardiac toxicity in non-small-cell lung cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , <b>2019</b> , 145, 1635-1643	4.9	13
38	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. <i>Cell</i> , <b>2019</b> , 177, 231-242	56.2	91
37	A Pipeline for Faecal Host DNA Analysis by Absolute Quantification of LINE-1 and Mitochondrial Genomic Elements Using ddPCR. <i>Scientific Reports</i> , <b>2019</b> , 9, 5599	4.9	7
36	A guide to nucleic acid detection by single-molecule kinetic fingerprinting. <i>Methods</i> , <b>2019</b> , 153, 3-12	4.6	20
35	Computational analysis of continuous body temperature provides early discrimination of graft-versus-host disease in mice. <i>Blood Advances</i> , <b>2019</b> , 3, 3977-3981	7.8	3
34	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> , <b>2018</b> , 1768, 459-474	1.4	8
33	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> , <b>2018</b> , 100, 107-114	11.4	18

32	Seeking Early Hints of Cancer in Blood: Combine to Conquer. <i>Gastroenterology</i> , <b>2018</b> , 155, 928-930	13.3	
31	Comprehensive multi-center assessment of small RNA-seq methods for quantitative miRNA profiling. <i>Nature Biotechnology</i> , <b>2018</b> , 36, 746-757	44.5	85
30	Ultraspecific and Amplification-Free Quantification of Mutant DNA by Single-Molecule Kinetic Fingerprinting. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11755-11762	16.4	27
29	Tumor characterization by ultrasound-release of multiple protein and microRNA biomarkers, preclinical and clinical evidence. <i>PLoS ONE</i> , <b>2018</b> , 13, e0194268	3.7	8
28	Circulating microRNAs and treatment response in the Phase II SWOG S0925 study for patients with new metastatic hormone-sensitive prostate cancer. <i>Prostate</i> , <b>2018</b> , 78, 121-127	4.2	15
27	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> , <b>2017</b> , 23, 813-819	4.7	31
26	Monitoring Daily Dynamics of Early Tumor Response to Targeted Therapy by Detecting Circulating Tumor DNA in Urine. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 4716-4723	12.9	73
25	CitH3: a reliable blood biomarker for diagnosis and treatment of endotoxic shock. <i>Scientific Reports</i> , <b>2017</b> , 7, 8972	4.9	38
24	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> , <b>2017</b> , 283, 158-167	29.5	19
23	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> , <b>2017</b> , 14, 305-316	4.8	31
22	Rapid, ultra low coverage copy number profiling of cell-free DNA as a precision oncology screening strategy. <i>Oncotarget</i> , <b>2017</b> , 8, 89848-89866	3.3	36
21	User-Centered Design Groups to Engage Patients and Caregivers with a Personalized Health Information Technology Tool. <i>Biology of Blood and Marrow Transplantation</i> , <b>2016</b> , 22, 349-358	4.7	34
20	Mutant DNA quantification by digital PCR can be confounded by heating during DNA fragmentation. <i>BioTechniques</i> , <b>2016</b> , 60, 175-6, 178, 180 passim	2.5	10
19	Comparative analysis of circulating tumor DNA stability In KEDTA, Streck, and CellSave blood collection tubes. <i>Clinical Biochemistry</i> , <b>2016</b> , 49, 1354-1360	3.5	141
18	Kinetic fingerprinting to identify and count single nucleic acids. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 730-2	44.5	83
17	A functional extracellular transcriptome in animals? Implications for biology, disease and medicine. <i>Genome Biology</i> , <b>2015</b> , 16, 47	18.3	7
16	Evaluating Serum Markers for Hormone Receptor-Negative Breast Cancer. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142913	1.7	2
15	Molecular portraits of epithelial, mesenchymal, and hybrid States in lung adenocarcinoma and their relevance to survival. <i>Cancer Research</i> , <b>2015</b> , 75, 1789-800	10.1	128

14	Platelet-Synthesized Testosterone in Men with Prostate Cancer Induces Androgen Receptor Signaling. <i>Neoplasia</i> , <b>2015</b> , 17, 490-6	6.4	6
13	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> , <b>2015</b> , 4, e119	2	19
12	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> , <b>2014</b> , 111, 14888-93	11.5	676
11	Exosomes in human semen carry a distinctive repertoire of small non-coding RNAs with potential regulatory functions. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 7290-304	20.1	355
10	Systematic design and functional analysis of artificial microRNAs. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 6064-70.1	7.1	9
9	Absolute quantification by droplet digital PCR versus analog real-time PCR. <i>Nature Methods</i> , <b>2013</b> , 10, 1003-5	21.6	878
8	Plasma processing conditions substantially influence circulating microRNA biomarker levels. <i>PLoS ONE</i> , <b>2013</b> , 8, e64795	3.7	217
7	Circulating microRNA profiling identifies a subset of metastatic prostate cancer patients with evidence of cancer-associated hypoxia. <i>PLoS ONE</i> , <b>2013</b> , 8, e69239	3.7	124
6	Blood cell origin of circulating microRNAs: a cautionary note for cancer biomarker studies. <i>Cancer Prevention Research</i> , <b>2012</b> , 5, 492-497	3.2	675
5	MicroRNA profiling: approaches and considerations. <i>Nature Reviews Genetics</i> , <b>2012</b> , 13, 358-69	30.1	1185
4	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> , <b>2011</b> , 108, 5003-8	11.5	2422
3	Analysis of circulating microRNA biomarkers in plasma and serum using quantitative reverse transcription-PCR (qRT-PCR). <i>Methods</i> , <b>2010</b> , 50, 298-301	4.6	881
2	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> , <b>2008</b> , 105, 10513-8	11.5	6035
1	R and Bioconductor Packages in Bioinformatics: Towards Systems Biology	309-338	1