

Muhammed Murtaza

List of Publications by Citations

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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.

45
papers

6,169
citations

21
h-index

46
g-index

46
ext. papers

7,191
ext. citations

12.9
avg, IF

5.52
L-index

#	Paper	IF	Citations
45	Analysis of circulating tumor DNA to monitor metastatic breast cancer. <i>New England Journal of Medicine</i> , 2013 , 368, 1199-209	59.2	1560
44	Non-invasive analysis of acquired resistance to cancer therapy by sequencing of plasma DNA. <i>Nature</i> , 2013 , 497, 108-12	50.4	1220
43	Noninvasive identification and monitoring of cancer mutations by targeted deep sequencing of plasma DNA. <i>Science Translational Medicine</i> , 2012 , 4, 136ra68	17.5	882
42	A genome-wide association study in Europeans and South Asians identifies five new loci for coronary artery disease. <i>Nature Genetics</i> , 2011 , 43, 339-44	36.3	528
41	Multifocal clonal evolution characterized using circulating tumour DNA in a case of metastatic breast cancer. <i>Nature Communications</i> , 2015 , 6, 8760	17.4	334
40	Ordering of mutations in preinvasive disease stages of esophageal carcinogenesis. <i>Nature Genetics</i> , 2014 , 46, 837-843	36.3	240
39	Spatial and temporal heterogeneity in high-grade serous ovarian cancer: a phylogenetic analysis. <i>PLoS Medicine</i> , 2015 , 12, e1001789	11.6	230
38	Ovarian cancer cell line panel (OCCP): clinical importance of in vitro morphological subtypes. <i>PLoS ONE</i> , 2014 , 9, e103988	3.7	228
37	Personalized circulating tumor DNA analysis to detect residual disease after neoadjuvant therapy in breast cancer. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	106
36	Meta-analysis of Dense Genecentric Association Studies Reveals Common and Uncommon Variants Associated with Height. <i>American Journal of Human Genetics</i> , 2011 , 88, 6-18	11	103
35	Clinical and pathological impact of VHL, PBRM1, BAP1, SETD2, KDM6A, and JARID1c in clear cell renal cell carcinoma. <i>Genes Chromosomes and Cancer</i> , 2014 , 53, 38-51	5	99
34	Meta-analysis of Dense Genecentric Association Studies Reveals Common and Uncommon Variants Associated with Height. <i>American Journal of Human Genetics</i> , 2012 , 90, 1116-1117	11	78
33	Evaluation of pre-analytical factors affecting plasma DNA analysis. <i>Scientific Reports</i> , 2018 , 8, 7375	4.9	71
32	The Pakistan Risk of Myocardial Infarction Study: a resource for the study of genetic, lifestyle and other determinants of myocardial infarction in South Asia. <i>European Journal of Epidemiology</i> , 2009 , 24, 329-38	12.1	67
31	The Genomic and Immune Landscapes of Lethal Metastatic Breast Cancer. <i>Cell Reports</i> , 2019 , 27, 2690-2708	10.8	198
30	Association of the 9p21.3 locus with risk of first-ever myocardial infarction in Pakistanis: case-control study in South Asia and updated meta-analysis of Europeans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1467-73	9.4	45
29	The burden of stroke and transient ischemic attack in Pakistan: a community-based prevalence study. <i>BMC Neurology</i> , 2009 , 9, 58	3.1	44

28	Dynamics of multiple resistance mechanisms in plasma DNA during EGFR-targeted therapies in non-small cell lung cancer. <i>EMBO Molecular Medicine</i> , 2018 , 10,	12	43
27	Circulating tumor DNA as an early cancer detection tool. <i>Pharmacology & Therapeutics</i> , 2020 , 207, 1074583-9	3.9	41
26	Harmonizing Cell-Free DNA Collection and Processing Practices through Evidence-Based Guidance. <i>Clinical Cancer Research</i> , 2020 , 26, 3104-3109	12.9	32
25	Classification and clinical features of headache disorders in Pakistan: a retrospective review of clinical data. <i>PLoS ONE</i> , 2009 , 4, e5827	3.7	23
24	Capturing tumor heterogeneity and clonal evolution in solid cancers using circulating tumor DNA analysis. <i>Pharmacology & Therapeutics</i> , 2017 , 174, 22-26	13.9	20
23	Genetic determinants of major blood lipids in Pakistanis compared with Europeans. <i>Circulation: Cardiovascular Genetics</i> , 2010 , 3, 348-57		20
22	Analysis of recurrently protected genomic regions in cell-free DNA found in urine. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	16
21	Identification of Recurrent Activating Mutations in Primary Canine Pulmonary Adenocarcinoma. <i>Clinical Cancer Research</i> , 2019 , 25, 5866-5877	12.9	13
20	Nucleosome mapping in plasma DNA predicts cancer gene expression. <i>Nature Genetics</i> , 2016 , 48, 1105-636.3		13
19	The Karachi intracranial stenosis study (KISS) Protocol: an urban multicenter case-control investigation reporting the clinical, radiologic and biochemical associations of intracranial stenosis in Pakistan. <i>BMC Neurology</i> , 2009 , 9, 31	3.1	7
18	Long-tunneled versus short-tunneled external ventricular drainage: Prospective experience from a developing country. <i>Journal of Innovative Optical Health Sciences</i> , 2016 , 11, 114-7	1.2	7
17	Frequency and determinants of intracranial atherosclerotic stroke in urban Pakistan. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014 , 23, 2174-2182	2.8	6
16	Horizons in Veterinary Precision Oncology: Fundamentals of Cancer Genomics and Applications of Liquid Biopsy for the Detection, Characterization, and Management of Cancer in Dogs. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 664718	3.1	6
15	Risk factors of stroke in Pakistan: a dedicated stroke clinic experience. <i>Canadian Journal of Neurological Sciences</i> , 2010 , 37, 252-7	1	5
14	Risk factor profiles of South Asians with cerebrovascular disease. <i>International Journal of Stroke</i> , 2011 , 6, 346-8	6.3	4
13	Evaluation of therapeutic control in a Pakistani population with hypertension. <i>Journal of Evaluation in Clinical Practice</i> , 2010 , 16, 1081-4	2.5	4
12	Sub-nucleosomal organization in urine cell-free DNA		4
11	Detection of copy number aberrations in cholangiocarcinoma using shallow whole genome sequencing of plasma DNA.. <i>Journal of Clinical Oncology</i> , 2018 , 36, 293-293	2.2	3

10	Evaluation of pre-analytical factors affecting plasma DNA analysis		2
9	Detection of residual disease after neoadjuvant therapy in breast cancer using personalized circulating tumor DNA analysis		2
8	Genomic landscapes of canine splenic angiosarcoma (hemangiosarcoma) contain extensive heterogeneity within and between patients		1
7	Identification of frequent activating HER2 mutations in primary canine pulmonary adenocarcinoma		1
6	Feasibility and promise of circulating tumor DNA analysis in dogs with naturally-occurring sarcoma		1
5	Analysis of fragment ends in plasma DNA from patients with cancer		1
4	Feasibility of circulating tumor DNA analysis in dogs with naturally occurring malignant and benign splenic lesions.. <i>Scientific Reports</i> , 2022 , 12, 6337	4.9	1
3	Cancer Genomics and Evolution 2017 , 1-27		0
2	Plasma metagenomic sequencing to detect and quantify bacterial DNA in ICU patients suspected of sepsis: A proof-of-principle study. <i>Journal of Trauma and Acute Care Surgery</i> , 2021 , 91, 988-994	3.3	0
1	Circulating Tumor DNA Analysis and Opportunities for Personalized Cancer Medicine 2019 , 229-242		