

# Mohamed Iqbal Parker

## List of Publications by Year in descending order

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85  
papers

3,035  
citations

136950

32  
h-index

182427

51  
g-index

87  
all docs

87  
docs citations

87  
times ranked

4867  
citing authors

#	ARTICLE	IF	CITATIONS
1	Processing and Analysis of Tissue Samples from Esophageal Cancer Patients in an African Setting. <i>Biopreservation and Biobanking</i> , 2022, 20, 185-194.	1.0	1
2	Nuclear transport proteins are secreted by cancer cells and identified as potential novel cancer biomarkers. <i>International Journal of Cancer</i> , 2022, 150, 347-361.	5.1	12
3	Genome-Wide DNA Methylation Profiling of Esophageal Squamous Cell Carcinoma from Global High-Incidence Regions Identifies Crucial Genes and Potential Cancer Markers. <i>Cancer Research</i> , 2021, 81, 2612-2624.	0.9	27
4	EpiPanGI Dx: A Cell-free DNA Methylation Fingerprint for the Early Detection of Gastrointestinal Cancers. <i>Clinical Cancer Research</i> , 2021, 27, 6135-6144.	7.0	26
5	New insights from Whole Genome Sequencing: BCLAF1 deletion as a structural variant that predisposes cells towards cellular transformation. <i>Oncology Reports</i> , 2021, 46, .	2.6	1
6	Circadian Oscillations Persist in Cervical and Esophageal Cancer Cells Displaying Decreased Expression of Tumor-Suppressing Circadian Clock Genes. <i>Molecular Cancer Research</i> , 2020, 18, 1340-1353.	3.4	11
7	The Relationship Between Environmental Exposure and Genetic Architecture of the 2q33 Locus With Esophageal Cancer in South Africa. <i>Frontiers in Genetics</i> , 2019, 10, 406.	2.3	3
8	The garlic compound ajoene covalently binds vimentin, disrupts the vimentin network and exerts anti-metastatic activity in cancer cells. <i>BMC Cancer</i> , 2019, 19, 248.	2.6	40
9	Association of genetic variants in CHEK2 with oesophageal squamous cell carcinoma in the South African Black population. <i>Carcinogenesis</i> , 2019, 40, 513-520.	2.8	13
10	Circulation patterns and seed-soil compatibility factors cooperate to cause cancer organ-specific metastasis. <i>Experimental Cell Research</i> , 2019, 375, 62-72.	2.6	14
11	Not Everyone Fits the Mold: Intratumor and Intertumor Heterogeneity and Innovative Cancer Drug Design and Development. <i>OMICS A Journal of Integrative Biology</i> , 2018, 22, 17-34.	2.0	40
12	The African Esophageal Cancer Consortium: A Call to Action. <i>Journal of Global Oncology</i> , 2018, 4, 1-9.	0.5	29
13	Three-Dimensional Organoids in Cancer Research: The Search for the Holy Grail of Preclinical Cancer Modeling. <i>OMICS A Journal of Integrative Biology</i> , 2018, 22, 733-748.	2.0	26
14	The Role of Tumor Microenvironment in Chemoresistance: 3D Extracellular Matrices as Accomplices. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2861.	4.1	114
15	Chemoresistance to Cancer Treatment: Benzo- $\pm$ -Pyrene as Friend or Foe?. <i>Molecules</i> , 2018, 23, 930.	3.8	14
16	Molecular landscape of esophageal cancer: implications for early detection and personalized therapy. <i>Annals of the New York Academy of Sciences</i> , 2018, 1434, 342-359.	3.8	56
17	Synthesis and anticancer evaluation of mono- and trinuclear half-sandwich rhodium(III) and iridium(III) complexes based on N,O -salicylaldiminato-sulfonated scaffolds. <i>Journal of Organometallic Chemistry</i> , 2017, 846, 100-104.	1.8	10
18	Tripodal Half-Sandwich Rhodium and Iridium Complexes Containing Sulfonate and Pyridinyl Entities as Antitumor Agents. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5379-5386.	2.0	10

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19	The Cytotoxicity of the Ajoene Analogue BisPMB in WHCO1 Oesophageal Cancer Cells Is Mediated by CHOP/GADD153. <i>Molecules</i> , 2017, 22, 892.	3.8	22
20	The Role of Tumor Microenvironment in Chemoresistance: To Survive, Keep Your Enemies Closer. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1586.	4.1	301
21	Delineation of the HPV11E6 and HPV18E6 Pathways in Initiating Cellular Transformation. <i>Frontiers in Oncology</i> , 2017, 7, 258.	2.8	7
22	Wharton's Jelly-Derived Mesenchymal Stromal Cells and Fibroblast-Derived Extracellular Matrix Synergistically Activate Apoptosis in a p21-Dependent Mechanism in WHCO1 and MDA MB 231 Cancer Cells In Vitro. <i>Stem Cells International</i> , 2016, 2016, 1-17.	2.5	26
23	Fibroblast-Derived Extracellular Matrix Induces Chondrogenic Differentiation in Human Adipose-Derived Mesenchymal Stromal/Stem Cells in Vitro. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1259.	4.1	44
24	Cancer Stem Cell Hypothesis for Therapeutic Innovation in Clinical Oncology? Taking the Root Out, Not Chopping the Leaf. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 681-691.	2.0	47
25	The cytotoxicity of garlic-related disulphides and thiosulfonates in WHCO1 oesophageal cancer cells is dependent on S-thiolation and not production of ROS. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1439-1449.	2.4	39
26	African Lettuce ( <i>Launaea taraxacifolia</i> ) Displays Possible Anticancer Effects and Herb-Drug Interaction Potential by CYP1A2, CYP2C9, and CYP2C19 Inhibition. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 528-537.	2.0	16
27	In vitro Cytotoxicity of Half-Sandwich Platinum Group Metal Complexes of a Cationic Alkylated Phosphaadamantane Ligand. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1267-1273.	2.0	13
28	The garlic compound ajoene targets protein folding in the endoplasmic reticulum of cancer cells. <i>Molecular Carcinogenesis</i> , 2016, 55, 1213-1228.	2.7	32
29	Patient and tumour characteristics as prognostic markers for oesophageal cancer: a retrospective analysis of a cohort of patients at Groote Schuur Hospital. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49, 629-634.	1.4	36
30	A Novel Role of Annexin A2 in Human Type I Collagen Gene Expression. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 408-417.	2.6	3
31	Inactivation of GSK3 $\beta$ and activation of NF- $\kappa$ B pathway via Axl represents an important mediator of tumorigenesis in esophageal squamous cell carcinoma. <i>Molecular Biology of the Cell</i> , 2015, 26, 821-831.	2.1	30
32	NAT1 and NAT2 genetic polymorphisms and environmental exposure as risk factors for oesophageal squamous cell carcinoma: a case-control study. <i>BMC Cancer</i> , 2015, 15, 150.	2.6	20
33	Wnt/ $\beta$ -Catenin and MEK-ERK Signaling are Required for Fibroblast-Derived Extracellular Matrix-Mediated Endoderm Differentiation of Embryonic Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 761-773.	5.6	21
34	Gene-environment interactions in esophageal cancer. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2015, 52, 211-231.	6.1	23
35	Association of DCC, MLH1, GSTT1, GSTM1, and TP53 gene polymorphisms with colorectal cancer in Kazakhstan. <i>Tumor Biology</i> , 2015, 36, 279-289.	1.8	25
36	Absence of feedback regulation in the synthesis of COL1A1. <i>Life Sciences</i> , 2014, 103, 25-33.	4.3	18

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37	Aberrant methylation of the MSH3 promoter and distal enhancer in esophageal cancer patients exposed to first-hand tobacco smoke. <i>Journal of Cancer Research and Clinical Oncology</i> , 2014, 140, 1825-1833.	2.5	22
38	Peripheral Blood Mitochondrial DNA/Nuclear DNA (mtDNA/nDNA) Ratio as a Marker of Mitochondrial Toxicities of Stavudine Containing Antiretroviral Therapy in HIV-Infected Malawian Patients. <i>OMICS A Journal of Integrative Biology</i> , 2014, 18, 438-445.	2.0	11
39	The receptor tyrosine kinase Axl in cancer: Biological functions and therapeutic implications. <i>International Journal of Cancer</i> , 2014, 134, 1024-1033.	5.1	128
40	The role of inflammation in HPV infection of the Oesophagus. <i>BMC Cancer</i> , 2013, 13, 185.	2.6	24
41	Tumour cells down-regulate CCN2 gene expression in co-cultured fibroblasts in a Smad7- and ERK-dependent manner. <i>Cell Communication and Signaling</i> , 2013, 11, 75.	6.5	4
42	MicroRNA Polymorphisms and Environmental Smoke Exposure as Risk Factors for Oesophageal Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2013, 8, e78520.	2.5	40
43	Distinct genetic association at the PLCE1 locus with oesophageal squamous cell carcinoma in the South African population. <i>Carcinogenesis</i> , 2012, 33, 2155-2161.	2.8	44
44	Targeting neddylation in cancer therapy. <i>Future Oncology</i> , 2012, 8, 1461-1470.	2.4	30
45	Structure-activity studies on the anti-proliferation activity of ajoene analogues in WHCO1 oesophageal cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2012, 50, 236-254.	5.5	53
46	Health research in Africa: getting priorities right. <i>Tropical Medicine and International Health</i> , 2012, 17, 1048-1052.	2.3	11
47	Feedback regulation of the $\alpha 2(1)$ collagen gene via the Mek-Erk signaling pathway. <i>IUBMB Life</i> , 2012, 64, 87-98.	3.4	17
48	The Cumulative Effects of Polymorphisms in the DNA Mismatch Repair Genes and Tobacco Smoking in Oesophageal Cancer Risk. <i>PLoS ONE</i> , 2012, 7, e36962.	2.5	47
49	Association of a Deletion of GSTT2B with an Altered Risk of Oesophageal Squamous Cell Carcinoma in a South African Population: A Case-Control Study. <i>PLoS ONE</i> , 2011, 6, e29366.	2.5	35
50	Anti-Proliferative Activity of Synthetic Ajoene Analogues on Cancer Cell-Lines. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 260-266.	1.7	28
51	Population-specific genetic associations with oesophageal squamous cell carcinoma in South Africa. <i>Carcinogenesis</i> , 2011, 32, 1855-1861.	2.8	47
52	The T-box transcription factor Tbx2: Its role in development and possible implication in cancer. <i>IUBMB Life</i> , 2010, 62, 92-102.	3.4	79
53	Garlic-derived anticancer agents: Structure and biological activity of ajoene. <i>BioFactors</i> , 2010, 36, 78-85.	5.4	61
54	The 341C/T polymorphism in the GSTP1 gene is associated with increased risk of oesophageal cancer. <i>BMC Genetics</i> , 2010, 11, 47.	2.7	60

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55	A Key Role for Early Growth Response-1 and Nuclear Factor- $\kappa$ B in Mediating and Maintaining GRO/CXCR2 Proliferative Signaling in Esophageal Cancer. <i>Molecular Cancer Research</i> , 2009, 7, 755-764.	3.4	44
56	The Karyopherin proteins, Crm1 and Karyopherin $\beta$ 1, are overexpressed in cervical cancer and are critical for cancer cell survival and proliferation. <i>International Journal of Cancer</i> , 2009, 124, 1829-1840.	5.1	236
57	Screening of variants for lactase persistence/non-persistence in populations from South Africa and Ghana. <i>BMC Genetics</i> , 2009, 10, 31.	2.7	41
58	Photolonâ„¢, a chlorin e6 derivative, triggers ROS production and light-dependent cell death via necrosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 227-235.	2.8	39
59	Functional characterization of cis-acting elements involved in basal transcription of the human Tbx2 gene: A new insight into the role of Sp1 in transcriptional regulation. <i>Gene</i> , 2008, 423, 8-13.	2.2	7
60	Differential effects of novel tumour-derived p53 mutations on the transformation of NIH-3T3 cells. <i>Biological Chemistry</i> , 2008, 389, 57-67.	2.5	3
61	Genetic polymorphisms of alcohol metabolising enzymes: their role in susceptibility to oesophageal cancer. <i>Clinical Chemistry and Laboratory Medicine</i> , 2008, 46, 323-8.	2.3	35
62	UV-mediated Regulation of the Anti-senescence Factor Tbx2. <i>Journal of Biological Chemistry</i> , 2008, 283, 2223-2230.	3.4	36
63	A role for Tbx2 in the regulation of the $\alpha$ 2(1) collagen gene in human fibroblasts. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 618-625.	2.6	16
64	Lysyl oxidase-like 2 expression is increased in colon and esophageal tumors and associated with less differentiated colon tumors. <i>Genes Chromosomes and Cancer</i> , 2007, 46, 644-655.	2.8	110
65	Phosphorylation of the $\alpha$ 2(1) procollagen promoter binding proteins is required for promoter activity. <i>IUBMB Life</i> , 2006, 58, 97-102.	3.4	1
66	Gene-environment interaction: the role of SULT1A1 and CYP3A5 polymorphisms as risk modifiers for squamous cell carcinoma of the oesophagus. <i>Carcinogenesis</i> , 2006, 27, 791-797.	2.8	53
67	A Growth-Related Oncogene/CXC Chemokine Receptor 2 Autocrine Loop Contributes to Cellular Proliferation in Esophageal Cancer. <i>Cancer Research</i> , 2006, 66, 3071-3077.	0.9	156
68	Species-Specific Regulation of the $\alpha$ 2(I) Procollagen Gene by Proximal Promoter Elements. <i>IUBMB Life</i> , 2005, 57, 363-370.	3.4	2
69	Association of cytochrome P450 2E1 genetic polymorphisms with squamous cell carcinoma of the oesophagus. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005, 43, 370-5.	2.3	36
70	CYP3A5 genotypes and risk of oesophageal cancer in two South African populations. <i>Cancer Letters</i> , 2005, 225, 275-282.	7.2	60
71	Evaluation of DNA damage in a population of bats (Chiroptera) residing in an abandoned monazite mine. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 557, 183-190.	1.7	17
72	Esophageal cancer risk in relation to GGC and CAG trinucleotide repeat lengths in the androgen receptor gene. <i>International Journal of Cancer</i> , 2003, 107, 38-45.	5.1	34

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73	Genotyping of Alcohol Dehydrogenase Type 2 and 3 Using a Two-Buffer Polyacrylamide Gel Electrophoresis System. <i>Clinical Chemistry and Laboratory Medicine</i> , 2003, 41, 298-301.	2.3	2
74	Infrequent Somatic Deletion of the 5' Region of the COL1A2 Gene in Oesophageal Squamous Cell Cancer Patients. <i>Clinical Chemistry and Laboratory Medicine</i> , 2002, 40, 941-5.	2.3	10
75	Addressing Diseases in Africa. <i>Clinical Chemistry and Laboratory Medicine</i> , 2002, 40, 859-60.	2.3	0
76	Oesophageal Cancer in Africa. <i>IUBMB Life</i> , 2002, 53, 263-268.	3.4	51
77	Effect of Rooperol on Collagen Synthesis and Cell Growth. <i>IUBMB Life</i> , 1999, 48, 321-325.	3.4	8
78	CA repeat polymorphism in the promoter region of the COL1A2 gene. <i>Journal of Human Genetics</i> , 1999, 44, 419-420.	2.3	5
79	Characterization of two distinct families of transcription factors that bind to the CCAAT box region of the human COL1A2 gene. <i>Journal of Cellular Biochemistry</i> , 1998, 70, 455-467.	2.6	3
80	Regulation of the human $\alpha 2(1)$ procollagen gene by sequences adjacent to the CCAAT box. <i>Biochemical Journal</i> , 1997, 322, 199-206.	3.7	15
81	Transcriptional repression of the $\alpha 1(I)$ collagen gene by $\alpha 1(I)$ is mediated in part by an intronic AP1 site. <i>Journal of Cellular Biochemistry</i> , 1995, 58, 380-392.	2.6	22
82	Protected regions in the chicken $\alpha 2(1)$ procollagen promoter in differentiated tissues. <i>Journal of Cellular Biochemistry</i> , 1994, 54, 154-160.	2.6	1
83	Elevation of large-T antigen production by sodium butyrate treatment of SV40-transformed WI-38 fibroblasts. <i>Journal of Cellular Biochemistry</i> , 1992, 49, 74-81.	2.6	13
84	Increased Elastin mRNA Levels Associated with Surgically Induced Intimal Injury. <i>Connective Tissue Research</i> , 1988, 18, 65-78.	2.3	32
85	Maternal administration of cyclophosphamide induces chromosomal aberrations and inhibits cell number, histone synthesis, and DNA synthesis in preimplantation mouse embryos. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1986, 6, 115-127.	0.8	19