

# Kapil Mehta

## List of Publications by Year in descending order

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65  
papers

5,549  
citations

87723

38  
h-index

161609

54  
g-index

65  
all docs

65  
docs citations

65  
times ranked

5944  
citing authors

#	ARTICLE	IF	CITATIONS
1	Down-regulation of caspase 3 in breast cancer: a possible mechanism for chemoresistance. <i>Oncogene</i> , 2002, 21, 8843-8851.	2.6	383
2	Transglutaminase Regulation of Cell Function. <i>Physiological Reviews</i> , 2014, 94, 383-417.	13.1	353
3	Human CD38: a glycoprotein in search of a function. <i>Trends in Immunology</i> , 1994, 15, 95-97.	7.5	331
4	Liposomal curcumin with and without oxaliplatin: effects on cell growth, apoptosis, and angiogenesis in colorectal cancer. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 1276-1282.	1.9	302
5	Antiproliferative effect of curcumin (diferuloylmethane) against human breast tumor cell lines. <i>Anti-Cancer Drugs</i> , 1997, 8, 470-481.	0.7	290
6	Human CD38, a cell surface protein with multiple functions. <i>FASEB Journal</i> , 1996, 10, 1408-1417.	0.2	264
7	Human CD38: a (r)evolutionary story of enzymes and receptors. <i>Leukemia Research</i> , 2001, 25, 1-12.	0.4	258
8	Liposome-Encapsulated Curcumin Suppresses Growth of Head and Neck Squamous Cell Carcinoma <i>In vitro</i> and in Xenografts through the Inhibition of Nuclear Factor $\kappa$ B by an AKT-Independent Pathway. <i>Clinical Cancer Research</i> , 2008, 14, 6228-6236.	3.2	193
9	Overexpression of Tissue Transglutaminase Leads to Constitutive Activation of Nuclear Factor- $\kappa$ B in Cancer Cells: Delineation of a Novel Pathway. <i>Cancer Research</i> , 2006, 66, 8788-8795.	0.4	188
10	Prognostic Significance of Tissue Transglutaminase in Drug Resistant and Metastatic Breast Cancer. <i>Clinical Cancer Research</i> , 2004, 10, 8068-8076.	3.2	187
11	Tissue transglutaminase: an enzyme with a split personality. <i>International Journal of Biochemistry and Cell Biology</i> , 1999, 31, 817-836.	1.2	171
12	Increased Expression of Tissue Transglutaminase in Pancreatic Ductal Adenocarcinoma and Its Implications in Drug Resistance and Metastasis. <i>Cancer Research</i> , 2006, 66, 10525-10533.	0.4	150
13	Tissue transglutaminase-induced alterations in extracellular matrix inhibit tumor invasion. <i>Molecular Cancer</i> , 2005, 4, 33.	7.9	139
14	Antitumor Metallothiosemicarbazones: Structure and Antitumor Activity of Palladium Complex of Phenanthrenequinone Thiosemicarbazone. <i>Inorganic Chemistry</i> , 2005, 44, 1154-1156.	1.9	129
15	Transglutaminase 2: A multi-tasking protein in the complex circuitry of inflammation and cancer. <i>Biochemical Pharmacology</i> , 2010, 80, 1921-1929.	2.0	129
16	Tissue Transglutaminase Inhibits Autophagy in Pancreatic Cancer Cells. <i>Molecular Cancer Research</i> , 2007, 5, 241-249.	1.5	123
17	Tissue Transglutaminase Promotes Drug Resistance and Invasion by Inducing Mesenchymal Transition in Mammary Epithelial Cells. <i>PLoS ONE</i> , 2010, 5, e13390.	1.1	110
18	High levels of transglutaminase expression in doxorubicin-resistant human breast carcinoma cells. <i>International Journal of Cancer</i> , 1994, 58, 400-406.	2.3	106

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19	Implications of tissue transglutaminase expression in malignant melanoma. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 1493-1503.	1.9	97
20	Therapeutic Significance of Elevated Tissue Transglutaminase Expression in Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2008, 14, 2476-2483.	3.2	95
21	Clinical and Biological Significance of Tissue Transglutaminase in Ovarian Carcinoma. <i>Cancer Research</i> , 2008, 68, 5849-5858.	0.4	90
22	Tissue transglutaminase-mediated chemoresistance in cancer cells. <i>Drug Resistance Updates</i> , 2007, 10, 144-151.	6.5	88
23	Tissue Transglutaminase Regulates Focal Adhesion Kinase/AKT Activation by Modulating PTEN Expression in Pancreatic Cancer Cells. <i>Clinical Cancer Research</i> , 2008, 14, 1997-2005.	3.2	84
24	Tissue Transglutaminase Constitutively Activates HIF-1 $\alpha$ Promoter and Nuclear Factor- $\kappa$ B via a Non-Canonical Pathway. <i>PLoS ONE</i> , 2012, 7, e49321.	1.1	84
25	Tissue transglutaminase as a central mediator in inflammation-induced progression of breast cancer. <i>Breast Cancer Research</i> , 2013, 15, 202.	2.2	78
26	PKC $\delta$ and Tissue Transglutaminase are Novel Inhibitors of Autophagy in Pancreatic Cancer Cells. <i>Autophagy</i> , 2007, 3, 480-483.	4.3	76
27	Tissue transglutaminase: from biological glue to cell survival cues. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 173.	3.0	70
28	Tissue transglutaminase promotes or suppresses tumors depending on cell context. <i>Anticancer Research</i> , 2009, 29, 1909-19.	0.5	63
29	Post-translational Modification of CD38 Protein into a High Molecular Weight Form Alters Its Catalytic Properties. <i>Journal of Biological Chemistry</i> , 1996, 271, 15922-15927.	1.6	60
30	Evidence That Aberrant Expression of Tissue Transglutaminase Promotes Stem Cell Characteristics in Mammary Epithelial Cells. <i>PLoS ONE</i> , 2011, 6, e20701.	1.1	56
31	Evidence that GTP-binding domain but not catalytic domain of transglutaminase 2 is essential for epithelial-to-mesenchymal transition in mammary epithelial cells. <i>Breast Cancer Research</i> , 2012, 14, R4.	2.2	54
32	Involvement of Retinoic Acid Receptor- $\alpha$ -Mediated Signaling Pathway in Induction of CD38 Cell-Surface Antigen. <i>Blood</i> , 1997, 89, 3607-3614.	0.6	53
33	Multidrug-resistant MCF-7 breast cancer cells contain deficient intracellular calcium pools. <i>Breast Cancer Research and Treatment</i> , 2002, 71, 237-247.	1.1	51
34	Drug-resistant breast carcinoma (MCF-7) cells are paradoxically sensitive to apoptosis. <i>Journal of Cellular Physiology</i> , 2004, 200, 223-234.	2.0	50
35	Tissue Transglutaminase (TG2) in Cancer Biology. , 2005, 38, 125-138.		50
36	Transglutaminase 2 reprogramming of glucose metabolism in mammary epithelial cells via activation of inflammatory signaling pathways. <i>International Journal of Cancer</i> , 2014, 134, 2798-2807.	2.3	45

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37	Mammalian Transglutaminases: A Family Portrait. , 2005, 38, 1-18.		44
38	Transglutaminase-2: evolution from pedestrian protein to a promising therapeutic target. Amino Acids, 2017, 49, 425-439.	1.2	41
39	Purification and characterization of a novel transglutaminase from filarial nematode <i>Brugia malayi</i> . FEBS Journal, 1994, 225, 625-634.	0.2	39
40	Tissue transglutaminase, inflammation, and cancer: how intimate is the relationship?. Amino Acids, 2013, 44, 81-88.	1.2	39
41	Targeting p70S6K Prevented Lung Metastasis in a Breast Cancer Xenograft Model. Molecular Cancer Therapeutics, 2010, 9, 1180-1187.	1.9	37
42	Transglutaminase-Mediated Activation of Nuclear Transcription Factor- $\kappa$ B in Cancer Cells: A New Therapeutic Opportunity. Current Cancer Drug Targets, 2007, 7, 559-565.	0.8	35
43	Multidrug-Resistant MCF-7 Cells: An Identity Crisis?. Journal of the National Cancer Institute, 2002, 94, 1652-b-1654.	3.0	33
44	Retinoic acid-induced CD38 antigen promotes leukemia cells attachment and interferon- $\gamma$ /interleukin- $1\beta$ -dependent apoptosis of endothelial cells: Implications in the etiology of retinoic acid syndrome. Leukemia Research, 2007, 31, 455-463.	0.4	30
45	Tissue transglutaminase induces the release of apoptosis inducing factor and results in apoptotic death of pancreatic cancer cells. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 1455-1463.	2.2	29
46	Tissue transglutaminase expression promotes castration-resistant phenotype and transcriptional repression of androgen receptor. European Journal of Cancer, 2014, 50, 1685-1696.	1.3	24
47	Significance of transglutaminase-catalyzed reactions in growth and development of filarial parasite, <i>Brugia malayi</i> . Biochemical and Biophysical Research Communications, 1990, 173, 1051-1057.	1.0	21
48	Induction of Tissue Transglutaminase in Human Peripheral Blood Monocytes by Intracellular Delivery of Retinoids. Journal of Leukocyte Biology, 1987, 41, 341-348.	1.5	19
49	Retinoid-Mediated Signaling Pathways in CD38 Antigen Expression in Myeloid Leukemia Cells. Leukemia and Lymphoma, 1999, 32, 441-449.	0.6	18
50	Human breast cancer MCF-7 cell line contains inherently drug-resistant subclones with distinct genotypic and phenotypic features. International Journal of Oncology, 2002, 20, 913.	1.4	18
51	Tissue Transglutaminase (TG2)-Induced Inflammation in Initiation, Progression, and Pathogenesis of Pancreatic Cancer. Cancers, 2011, 3, 897-912.	1.7	18
52	Induction of Adenosine Deaminase and 5 $\alpha$ -Nucleotidase Activity in Cultured Human Blood Monocytes and Monocytic Leukemia (THP-1) Cells by Differentiating Agents. Journal of Leukocyte Biology, 1988, 44, 205-211.	1.5	16
53	N-linked glycosylation of CD38 is required for its structure stabilization but not for membrane localization. Molecular and Cellular Biochemistry, 2007, 295, 1-7.	1.4	14
54	Transglutaminase Levels and Immunologic Functions of BCG-Elicited Mouse Peritoneal Macrophages Isolated by Centrifugal Elutriation. Journal of Leukocyte Biology, 1989, 45, 434-443.	1.5	8

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55	Targeting Transglutaminase-2 to Overcome Chemoresistance in Cancer Cells. , 2009, , 95-114.		6
56	Retinoid-Mediated Signaling and CD38 Expression. , 2002, , 409-425.		3
57	Involvement of Retinoic Acid Receptor-Î±-Mediated Signaling Pathway in Induction of CD38 Cell-Surface Antigen. Blood, 1997, 89, 3607-3614.	0.6	3
58	Retinoic acid--a player that rules the game of life and death in neutrophils. Indian Journal of Experimental Biology, 2002, 40, 874-81.	0.5	2
59	Transglutaminases of Lower Organisms. , 2005, 38, 209-222.		1
60	Transglutaminase-2. , 2014, , 1-3.		1
61	Tissue transglutaminase expression and drug resistance in ovarian cancer. Expert Review of Obstetrics and Gynecology, 2009, 4, 105-110.	0.4	0
62	Transglutaminase II and Metastasis: How Hot Is the Link?. , 2015, , 215-228.		0
63	Transglutaminase-2. , 2011, , 3764-3766.		0
64	TG2: Player That Dictates the Rules in Cancer Progression. , 2015, , 129-136.		0
65	Transglutaminase-2. , 2017, , 4634-4637.		0