Ajay Rana

List of Publications by Year in descending order

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		136950	1	.44013	
122	3,792	32		57	
papers	citations	h-index		g-index	
124	124	124		5684	
all docs	docs citations	times ranked		citing authors	

#	Article	IF	Citations
1	Phytochemical investigation and bioactivity studies of flowers obtained from different cultivars of <i>Camellia sinensis (i) plant. Natural Product Research, 2022, 36, 2166-2170.</i>	1.8	6
2	XP-524 is a dual-BET/EP300 inhibitor that represses oncogenic KRAS and potentiates immune checkpoint inhibition in pancreatic cancer. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119 , .	7.1	16
3	Loss of SMAD4 Is Associated With Poor Tumor Immunogenicity and Reduced PD-L1 Expression in Pancreatic Cancer. Frontiers in Oncology, 2022, 12, 806963.	2.8	14
4	Calcium channel blockers potentiate gemcitabine chemotherapy Âin pancreatic cancer. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200143119.	7.1	14
5	Dysregulation of immune checkpoint proteins in hepatocellular carcinoma: Impact on metabolic reprogramming. Current Opinion in Pharmacology, 2022, 64, 102232.	3.5	1
6	Leukocyte subtyping predicts for treatment failure and poor survival in anal squamous cell carcinoma. BMC Cancer, 2022, 22, .	2.6	0
7	Ets 1 mediates sorafenib resistance by regulating mitochondrial ROS pathway in hepatocellular carcinoma. Cell Death and Disease, 2022, $13,.$	6.3	13
8	The regulatory function of mixed lineage kinase 3 in tumor and host immunity., 2021, 219, 107704.		8
9	Berberine Represses <i>\hat{l}^2</i> -Catenin Translation Involving 4E-BPs in Hepatocellular Carcinoma Cells. Molecular Pharmacology, 2021, 99, 1-16.	2.3	15
10	Biological activity of phenolics enriched extracts from industrial apple pomace. Industrial Crops and Products, 2021, 160, 113158.	5.2	21
11	Phytotherapy with active tea constituents: a review. Environmental Chemistry Letters, 2021, 19, 2031-2041.	16.2	9
12	Tumor-infiltrating CD8+ T cell antitumor efficacy and exhaustion: molecular insights. Drug Discovery Today, 2021, 26, 951-967.	6.4	25
13	Trials and tribulations of pancreatic cancer immunotherapy. Cancer Letters, 2021, 504, 1-14.	7.2	37
14	Progress for Immunotherapy in Inflammatory Breast Cancer and Emerging Barriers to Therapeutic Efficacy. Cancers, 2021, 13, 2543.	3.7	4
15	HAI-1 is an independent predictor of lung cancer mortality and is required for M1 macrophage polarization. PLoS ONE, 2021, 16, e0252197.	2.5	5
16	The Current Treatment Paradigm for Pancreatic Ductal Adenocarcinoma and Barriers to Therapeutic Efficacy. Frontiers in Oncology, 2021, 11, 688377.	2.8	82
17	MAP4K4 promotes pancreatic tumorigenesis via phosphorylation and activation of mixed lineage kinase 3. Oncogene, 2021, 40, 6153-6165.	5.9	19
18	Mixed Lineage Kinase 3 phosphorylates prolyl-isomerase PIN1 and potentiates GLI1 signaling in pancreatic cancer development. Cancer Letters, 2021, 515, 1-13.	7.2	12

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19	Glycogen synthase kinaseâ \in 3 \hat{i}^2 inactivation promotes cervical cancerÂprogression, invasion, and drug resistance. Biotechnology and Applied Biochemistry, 2021, , .	3.1	3
20	Varietal influence on phenolic constituents and nutritive characteristics of pomace obtained from apples grown in western Himalayas. Journal of Food Science and Technology, 2021, 58, 166-174.	2.8	16
21	TGF \hat{I}^2 Signaling in the Pancreatic Tumor Microenvironment. Cancers, 2021, 13, 5086.	3.7	27
22	Frequency and prognostic value of mutations associated with the homologous recombination DNA repair pathway in a large pan cancer cohort. Scientific Reports, 2020, 10, 20223.	3.3	15
23	Rationalized inhibition of mixed lineage kinase 3 and CD70 enhances life span and antitumor efficacy of CD8 ⁺ T cells., 2020, 8, e000494.		9
24	Transcription Factors in Cancer Development and Therapy. Cancers, 2020, 12, 2296.	3.7	72
25	Updated risk factors to inform early pancreatic cancer screening and identify high risk patients. Cancer Letters, 2020, 485, 56-65.	7.2	11
26	Mixed lineage kinase 3 inhibition induces T cell activation and cytotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7961-7970.	7.1	13
27	Mitogen-Activated Protein Kinase Inhibitors and T-Cell-Dependent Immunotherapy in Cancer. Pharmaceuticals, 2020, 13, 9.	3.8	25
28	Long-Term Gemcitabine Treatment Reshapes the Pancreatic Tumor Microenvironment and Sensitizes Murine Carcinoma to Combination Immunotherapy. Cancer Research, 2020, 80, 3101-3115.	0.9	77
29	Chemistry, Pharmacology and Therapeutic Delivery of Major Tea Constituents. Sustainable Agriculture Reviews, 2020, , 113-129.	1.1	2
30	$p110\hat{l}^3$ deficiency protects against pancreatic carcinogenesis yet predisposes to diet-induced hepatotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14724-14733.	7.1	22
31	Mixed lineage kinase 3 promotes breast tumorigenesis via phosphorylation and activation of p21-activated kinase 1. Oncogene, 2019, 38, 3569-3584.	5.9	15
32	TGFβ Blockade Augments PD-1 Inhibition to Promote T-Cell–Mediated Regression of Pancreatic Cancer. Molecular Cancer Therapeutics, 2019, 18, 613-620.	4.1	95
33	Abstract 1165: Differential expression of CD44 variants drive the progression, invasion, drug-resistance and stemness characteristics in human oral squamous cell carcinoma., 2019,,.		0
34	Abstract A20: Gemcitabine primes the pancreatic tumor microenvironment for second-line immunotherapy. Cancer Research, 2019, 79, A20-A20.	0.9	1
35	Involvement of AMP-activated protein kinase and Death Receptor 5 in TRAIL-Berberine-induced apoptosis of cancer cells. Scientific Reports, 2018, 8, 5521.	3.3	25
36	Rapid screening and quantification of major organic acids in citrus fruits and their bioactivity studies. Journal of Food Science and Technology, 2018, 55, 1339-1349.	2.8	6

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37	Glycogen synthase kinase-3β mediated regulation of matrix metalloproteinase-9 and its involvement in oral squamous cell carcinoma progression and invasion. Cellular Oncology (Dordrecht), 2018, 41, 47-60.	4.4	43
38	The matrix protein Fibulin-3 promotes KISS1R induced triple negative breast cancer cell invasion. Oncotarget, 2018, 9, 30034-30052.	1.8	10
39	Crosstalk between Raf-MEK-ERK and PI3K-Akt-GSK3 \hat{l}^2 signaling networks promotes chemoresistance, invasion/migration and stemness via expression of CD44 variants (v4 and v6) in oral cancer. Oral Oncology, 2018, 86, 234-243.	1.5	69
40	Novel glucosylceramide synthase inhibitor based prodrug copolymer micelles for delivery of anticancer agents. Journal of Controlled Release, 2018, 288, 212-226.	9.9	10
41	KRASG12D and TP53R167H Cooperate to Induce Pancreatic Ductal Adenocarcinoma in Sus scrofa Pigs. Scientific Reports, 2018, 8, 12548.	3.3	23
42	Abstract 3450: Elucidating the role of mixed lineage kinase 3 (MLK3)- \hat{l}^2 -catenin axis in hepatocellular carcinoma., 2018,,.		0
43	Abstract 4988: PI3K \hat{I}^3 -deficiency protects against pancreatic tumorigenesis at the expense of diet-Induced hyperlipidemia and hepatotoxicity. , 2018, , .		0
44	Abstract 5514: Loss of hepatocyte growth factor activator inhibitor type-1 (HAI-1) in human lung adenocarcinomas promotes RON receptor phosphorylation and increased sensitivity to crizotinib. , 2018, , .		0
45	Abstract 2390: When MLK3 meets PAK1: Its implication in breast cancer tumorigenesis. , 2018, , .		0
46	Abstract 103: Expression and regulation of MMP9 and RECK in human oral squamous cell carcinoma progression and invasion. , 2018, , .		0
47	Abstract 5221: MAP3K11 regulates hedgehog signaling and suppresses tumor microenvironment in genetic mouse models of pancreatic cancer. , $2018,\ldots$		0
48	Abstract 2338: XAV-939, a Wnt/beta-catenin pathway inhibitor, sensitizes liver cancer cells to sorafenib: Implications in sorafenib resistance. , 2018, , .		0
49	Anthocyanins enriched purple tea exhibits antioxidant, immunostimulatory and anticancer activities. Journal of Food Science and Technology, 2017, 54, 1953-1963.	2.8	34
50	Transcriptional regulation of mixed lineage kinase 3 by estrogen and its implication in ER-positive breast cancer pathogenesis. Oncotarget, 2017, 8, 33172-33184.	1.8	5
51	Abstract 3322: Elucidation of the signaling pathways that mediate berberine-induced effects in cancer cells., 2017,,.		0
52	Phenolic constituents from apple tree leaves and their in vitro biological activity. Industrial Crops and Products, 2016, 90, 118-125.	5 . 2	24
53	Reversion-inducing cysteine-rich protein with Kazal motifs and its regulation by glycogen synthase kinase 3 signaling in oral cancer. Tumor Biology, 2016, 37, 15253-15264.	1.8	33
54	Screening and purification of catechins from underutilized tea plant parts and their bioactivity studies. Journal of Food Science and Technology, 2016, 53, 4023-4032.	2.8	20

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55	PKCα Attenuates Jagged-1–Mediated Notch Signaling in ErbB-2–Positive Breast Cancer to Reverse Trastuzumab Resistance. Clinical Cancer Research, 2016, 22, 175-186.	7.0	28
56	Modulation of glycogen synthase kinase- $3\hat{l}^2$ following TRAIL combinatorial treatment in cancer cells. Oncotarget, 2016, 7, 66892-66905.	1.8	2
57	Cytotoxic Activity of Black Tea Theaflavin Digallates Against Chinese Hamster Ovary Cells (CHOK1) and Rat Glioma Cells (C-6). Chemistry of Natural Compounds, 2015, 51, 835-839.	0.8	1
58	Studies on quality of orthodox teas made from anthocyanin-rich tea clones growing in Kangra valley, India. Food Chemistry, 2015, 176, 357-366.	8.2	74
59	AKT and 14-3-3 Regulate Notch4 Nuclear Localization. Scientific Reports, 2015, 5, 8782.	3.3	23
60	Concurrent Analysis of Theanine, Caffeine, and Catechins Using Hydrophobic Selective C ₁₂ Stationary Phase. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 709-715.	1.0	9
61	Expression and inactivation of glycogen synthase kinase 3 alpha/ beta and their association with the expression of cyclin D1 and p53 in oral squamous cell carcinoma progression. Molecular Cancer, 2015, 14, 20.	19.2	52
62	Functional properties, phenolic constituents and antioxidant potential of industrial apple pomace for utilization as active food ingredient. Food Science and Human Wellness, 2015, 4, 180-187.	4.9	95
63	Investigation of major phenolic antioxidants from Camellia sinensis fruits. Cogent Chemistry, 2015, 1, 1080652.	2.5	1
64	Human Epidermal Growth Factor Receptor 2 (HER2) Impedes MLK3 Kinase Activity to Support Breast Cancer Cell Survival. Journal of Biological Chemistry, 2015, 290, 21705-21712.	3.4	18
65	Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL)-Troglitazone-induced Apoptosis in Prostate Cancer Cells Involve AMP-activated Protein Kinase. Journal of Biological Chemistry, 2015, 290, 21865-21875.	3.4	19
66	Targeted Toxicants to Dopaminergic Neuronal Cell Death. Methods in Molecular Biology, 2015, 1254, 239-252.	0.9	7
67	Abstract 2203: Regulation of hedgehog signaling by Mixed Lineage Kinase 3 (MAP3K11) in pancreatic cancer., 2015,,.		0
68	Abstract 3618: SGKs survival signal via inhibition of pro-apoptotic Mixed Lineage Kinase 3 (MAP3K11) in cancer cells., 2015,,.		0
69	Abstract 1964: Role of AMP kinase in TRAIL and PPAR \hat{I}^3 ligand combination-induced apoptosis and \hat{I}^2 -catenin cleavage., 2015,,.		0
70	Abstract 1967: Elucidation of signaling pathways that mediate gastrin-induced JNK activation and pGSK3 \hat{l}^2 /Snail induction in gastric cancer cells. , 2015, , .		1
71	Histone Hyperacetylation Up-regulates Protein Kinase Cδin Dopaminergic Neurons to Induce Cell Death. Journal of Biological Chemistry, 2014, 289, 34743-34767.	3.4	62
72	RP-HPLC-DAD Determination of Phenolics in Industrial Apple Pomace. Food Analytical Methods, 2014, 7, 1424-1432.	2.6	19

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7 3	Comparative studies for screening of bioactive constituents from various parts of lncarvillea emodi. Natural Product Research, 2014, 28, 593-596.	1.8	3
74	Sirt2 Deacetylase Is a Novel AKT Binding Partner Critical for AKT Activation by Insulin. Journal of Biological Chemistry, 2014, 289, 6054-6066.	3.4	98
7 5	Abstract 2270: TRAIL-TZD combinatorial treatment induces apoptosis in prostate cancer cells through modulation of AMPK signaling pathway. , 2014, , .		O
76	Abstract 2286: Regulation of GSK3 \hat{l}^2 axis by combination treatment with TRAIL and Troglitazone in cancer cells. , 2014, , .		0
77	A new phenylethanoid glucoside from <i>Jacaranda mimosifolia</i> . Natural Product Research, 2013, 27, 1167-1173.	1.8	34
78	MEK-1 activates C-Raf through a Ras-independent mechanism. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 976-986.	4.1	14
79	The Peptidyl-prolyl Isomerase Pin1 Up-regulation and Proapoptotic Function in Dopaminergic Neurons. Journal of Biological Chemistry, 2013, 288, 21955-21971.	3.4	68
80	The Med1 Subunit of the Mediator Complex Induces Liver Cell Proliferation and Is Phosphorylated by AMP Kinase. Journal of Biological Chemistry, 2013, 288, 27898-27911.	3.4	19
81	Mixed Lineage Kinase-c-Jun N-Terminal Kinase Axis: A Potential Therapeutic Target in Cancer. Genes and Cancer, 2013, 4, 334-341.	1.9	28
82	Alpha-Synuclein Induces Lysosomal Rupture and Cathepsin Dependent Reactive Oxygen Species Following Endocytosis. PLoS ONE, 2013, 8, e62143.	2.5	204
83	Mixed-lineage kinase 3 phosphorylates prolyl-isomerase Pin1 to regulate its nuclear translocation and cellular function. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8149-8154.	7.1	62
84	Emerging neurotoxic mechanisms in environmental factors-induced neurodegeneration. NeuroToxicology, 2012, 33, 833-837.	3.0	50
85	A RAPID HPLC-DAD METHOD FOR ANALYSIS OF THEAFLAVINS USING C ₁₂ AS STATIONARY PHASE*. Journal of Liquid Chromatography and Related Technologies, 2012, 35, 2272-2279.	1.0	9
86	Fish oil suppresses angiogenesis, reduces cell proliferation and DNA damage in rat mammary carcinogenesis. E-SPEN Journal, 2012, 7, e86-e92.	0.5	1
87	Comparative Estimation of Major Iridoid Glucosides from Different Parts of Incarvillea emodi. ISRN Chromatography, 2012, 2012, 1-4.	0.6	2
88	Abstract 4957: Mixed Lineage Kinase 3 mediates vanadium-induced cell death in cancer cells., 2012,,.		0
89	Abstract 238: Role of GSK3 \hat{I}^2 in modulating TRAIL-induced apoptosis in prostate cancer cells. , 2012, , .		O
90	Abstract 251: Role of ß-catenin in prostate cancer cell apoptosis. , 2012, , .		0

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91	Isolation of two major iridoid glucosides fromIncarvillea emodi. Natural Product Research, 2011, 25, 1014-1017.	1.8	7
92	Transcriptional Regulation of Pro-apoptotic Protein Kinase Cl´. Journal of Biological Chemistry, 2011, 286, 19840-19859.	3.4	37
93	Mixed Lineage Kinase 3 Modulates \hat{l}^2 -Catenin Signaling in Cancer Cells. Journal of Biological Chemistry, 2011, 286, 37470-37482.	3.4	23
94	Fish oil regulates cell proliferation, protect DNA damages and decrease HER-2/neu and c-Myc protein expression in rat mammary carcinogenesis. Clinical Nutrition, 2010, 29, 531-537.	5.0	32
95	Peroxisome proliferator-activated receptor gamma ligand-mediated apoptosis of hepatocellular carcinoma cells depends upon modulation of PI3Kinase pathway independent of Akt. Journal of Molecular Signaling, 2010, 5, 20.	0.5	10
96	Glycogen Synthase Kinase-3beta regulates Snail and beta-catenin during gastrin-induced migration of gastric cancer cells. Journal of Molecular Signaling, 2010, 5, 9.	0.5	30
97	TRAF2-MLK3 interaction is essential for TNF-α-induced MLK3 activation. Cell Research, 2010, 20, 89-98.	12.0	27
98	Estrogen Suppresses MLK3-Mediated Apoptosis Sensitivity in ER+ Breast Cancer Cells. Cancer Research, 2010, 70, 1731-1740.	0.9	26
99	Reciprocal Regulation of AKT and MAP Kinase Dictates Virus-Host Cell Fusion. Journal of Virology, 2010, 84, 4366-4382.	3.4	14
100	How estrogen fuels breast cancer. Future Oncology, 2010, 6, 1369-1371.	2.4	9
101	Novel cell death signaling pathways in neurotoxicity models of dopaminergic degeneration: Relevance to oxidative stress and neuroinflammation in Parkinson's disease. NeuroToxicology, 2010, 31, 555-561.	3.0	41
102	Combinatorial effect of fish oil (Maxepa) and $1\hat{l}_{\pm}$,25-dihydroxyvitamin D3 in the chemoprevention of DMBA-induced mammary carcinogenesis in rats. Chemico-Biological Interactions, 2010, 188, 102-110.	4.0	19
103	Abstract 1724: Role of GSK-3beta in gastrin-induced migration of gastric cancer cells. , 2010, , .		0
104	Abstract 1002: Role of Mixed Lineage Kinase-3 in modulating $\tilde{\text{A}}\ddot{\text{Y}}$ -catenin signaling in cancer cells. , 2010, , .		0
105	Caspase-mediated Cleavage of \hat{l}^2 -Catenin Precedes Drug-induced Apoptosis in Resistant Cancer Cells. Journal of Biological Chemistry, 2009, 284, 13577-13588.	3.4	29
106	Dietary fish oil associated with increased apoptosis and modulated expression of Bax and Bcl-2 during $7,12$ -dimethylbenz($\hat{l}\pm$)anthracene-induced mammary carcinogenesis in rats. Prostaglandins Leukotrienes and Essential Fatty Acids, 2008, 79, 5-14.	2.2	38
107	Vanadium and 1, 25 (OH)2 vitamin D3 combination in inhibitions of 1,2, dimethylhydrazine-induced rat colon carcinogenesis. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 1106-1114.	2.4	14
108	Glycogen Synthase Kinase-3Î ² Induces Neuronal Cell Death via Direct Phosphorylation of Mixed Lineage Kinase 3. Journal of Biological Chemistry, 2007, 282, 30393-30405.	3.4	68

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109	Suppression of Early Stages of Neoplastic Transformation in a Two-Stage Chemical Hepatocarcinogenesis Model: Supplementation of Vanadium, a Dietary Micronutrient, Limits Cell Proliferation and Inhibits the Formations of 8-Hydroxy-2′-deoxyguanosines and DNA Strand-Breaks in the Liver of Sprague-Dawley Rats. Nutrition and Cancer, 2007, 59, 228-247.	2.0	12
110	Carcinogen-induced early molecular events and its implication in the initiation of chemical hepatocarcinogenesis in rats: Chemopreventive role of vanadium on this process. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 48-59.	3.8	50
111	Suppression of cell proliferation, induction of apoptosis and cell cycle arrest: Chemopreventive activity of vanadiumin vivo andin vitro. International Journal of Cancer, 2007, 120, 13-23.	5.1	85
112	Peroxisome Proliferator-activated Receptor Î ³ Activation Can Regulate Î ² -Catenin Levels via a Proteasome-mediated and Adenomatous Polyposis Coli-independent Pathway. Journal of Biological Chemistry, 2004, 279, 35583-35594.	3.4	117
113	Drosophila mixed lineage kinase/slipper, a missing biochemical link in Drosophila JNK signaling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1640, 77-84.	4.1	20
114	Negative Regulation of Mixed Lineage Kinase 3 by Protein Kinase B/AKT Leads to Cell Survival. Journal of Biological Chemistry, 2003, 278, 3897-3902.	3.4	123
115	Cross-talk between JNK/SAPK and ERK/MAPK Pathways. Journal of Biological Chemistry, 2003, 278, 26715-26721.	3.4	179
116	Activation of the Drosophila MLK by Ceramide Reveals TNF- $\hat{l}\pm$ and Ceramide as Agonists of Mammalian MLK3. Molecular Cell, 2002, 10, 1527-1533.	9.7	89
117	Interaction of Hematopoietic Progenitor Kinase 1 and c-Abl Tyrosine Kinase in Response to Genotoxic Stress. Journal of Biological Chemistry, 2001, 276, 18130-18138.	3.4	16
118	Sustained Activation of Mitogen-Activated Protein Kinases and Activator Protein 1 by the Hepatitis B Virus X Protein in Mouse Hepatocytes In Vivo. Journal of Virology, 2001, 75, 10348-10358.	3.4	71
119	Activation of MEK Kinase 1 by the c-Abl Protein Tyrosine Kinase in Response to DNA Damage. Molecular and Cellular Biology, 2000, 20, 4979-4989.	2.3	90
120	Activation of p38 Mitogen-activated Protein Kinase by PYK2/Related Adhesion Focal Tyrosine Kinase-dependent Mechanism. Journal of Biological Chemistry, 1999, 274, 10140-10144.	3.4	121
121	MST/MLK2, a Member of the Mixed Lineage Kinase Family, Directly Phosphorylates and Activates SEK1, an Activator of c-Jun N-terminal Kinase/Stress-activated Protein Kinase. Journal of Biological Chemistry, 1997, 272, 15167-15173.	3.4	169
122	The Mixed Lineage Kinase SPRK Phosphorylates and Activates the Stress-activated Protein Kinase Activator, SEK-1. Journal of Biological Chemistry, 1996, 271, 19025-19028.	3.4	209