

Vuk Stambolic

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.

75
papers

8,933
citations

40
h-index

86
g-index

86
ext. papers

9,705
ext. citations

9.3
avg, IF

5.67
L-index

#	Paper	IF	Citations
75	Abstract GS1-08: CCTGMA.32, a phase III randomized double-blind placebo controlled adjuvant trial of metformin (MET) vs placebo (PLAC) in early breast cancer (BC): Results of the primary efficacy analysis (clinical trials.gov NCT01101438). <i>Cancer Research</i> , 2022 , 82, GS1-08-GS1-08	10.1	1
74	Effect of Metformin vs Placebo on Invasive Disease-Free Survival in Patients With Breast Cancer. <i>JAMA - Journal of the American Medical Association</i> , 2022 , 327, 1963	27.4	5
73	Concerted roles of PTEN and ATM in controlling hematopoietic stem cell fitness and dormancy. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	2
72	The PTEN and ATM axis controls the G1/S cell cycle checkpoint and tumorigenesis in HER2-positive breast cancer. <i>Cell Death and Differentiation</i> , 2021 , 28, 3036-3051	12.7	0
71	Effect of metformin versus placebo on metabolic factors in the MA.32 randomized breast cancer trial. <i>Npj Breast Cancer</i> , 2021 , 7, 74	7.8	7
70	The Effect of Metformin vs Placebo on Sex Hormones in Canadian Cancer Trials Group MA.32. <i>Journal of the National Cancer Institute</i> , 2021 , 113, 192-198	9.7	10
69	Cancer Antigen 15-3/Mucin 1 Levels in CCTG MA.32: A Breast Cancer Randomized Trial of Metformin vs Placebo. <i>JNCI Cancer Spectrum</i> , 2021 , 5, pkab066	4.6	1
68	NEK10 tyrosine phosphorylates p53 and controls its transcriptional activity. <i>Oncogene</i> , 2020 , 39, 5252-5266	5.6	7
67	PTEN Nuclear Functions. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2020 , 10,	5.4	14
66	Senescence, Necrosis, and Apoptosis Govern Circulating Cell-free DNA Release Kinetics. <i>Cell Reports</i> , 2020 , 31, 107830	10.6	40
65	A phase II randomized clinical trial of the effect of metformin versus placebo on progression-free survival in women with metastatic breast cancer receiving standard chemotherapy. <i>Breast</i> , 2019 , 48, 17-23	3.6	38
64	Toronto Workshop on Late Recurrence in Estrogen Receptor-Positive Breast Cancer: Part 2: Approaches to Predict and Identify Late Recurrence, Research Directions. <i>JNCI Cancer Spectrum</i> , 2019 , 3, pkz049	4.6	4
63	Toronto Workshop on Late Recurrence in Estrogen Receptor-Positive Breast Cancer: Part 1: Late Recurrence: Current Understanding, Clinical Considerations. <i>JNCI Cancer Spectrum</i> , 2019 , 3, pkz050	4.6	6
62	Comprehensive substrate specificity profiling of the human Nek kinome reveals unexpected signaling outputs. <i>ELife</i> , 2019 , 8,	8.9	19
61	βAmyloid Precursor Protein Intracellular Domain Controls Mitochondrial Function by Modulating Phosphatase and Tensin Homolog-Induced Kinase 1 Transcription in Cells and in Alzheimer Mice Models. <i>Biological Psychiatry</i> , 2018 , 83, 416-427	7.9	32
60	Association of Metabolic, Inflammatory, and Tumor Markers With Circulating Tumor Cells in Metastatic Breast Cancer. <i>JNCI Cancer Spectrum</i> , 2018 , 2, pky028	4.6	6
59	Effects of metformin versus placebo on vitamin B12 metabolism in non-diabetic breast cancer patients in CCTG MA.32. <i>Breast Cancer Research and Treatment</i> , 2017 , 164, 371-378	4.4	8

58	Fundamental Pathways in Breast Cancer 1: Signaling from the Membrane 2017 , 3-12		1
57	The Rho Guanine Nucleotide Exchange Factor DRhoGEF2 Is a Genetic Modifier of the PI3K Pathway in <i>Drosophila</i> . <i>PLoS ONE</i> , 2016 , 11, e0152259	3-7	3
56	PTEN at 18: Still Growing. <i>Methods in Molecular Biology</i> , 2016 , 1388, 13-9	1.4	1
55	Association of Obesity-Related Metabolic Disruptions With Cancer Risk and Outcome. <i>Journal of Clinical Oncology</i> , 2016 , 34, 4249-4255	2.2	55
54	mTORC1 and CK2 coordinate ternary and eIF4F complex assembly. <i>Nature Communications</i> , 2016 , 7, 11127.4	27.4	50
53	Phosphorylated STAT5 regulates p53 expression via BRCA1/BARD1-NPM1 and MDM2. <i>Cell Death and Disease</i> , 2016 , 7, e2560	9.8	13
52	Metformin Pharmacokinetics in Mouse Tumors: Implications for Human Therapy. <i>Cell Metabolism</i> , 2016 , 23, 567-8	24.6	79
51	Changes in insulin receptor signaling underlie neoadjuvant metformin administration in breast cancer: a prospective window of opportunity neoadjuvant study. <i>Breast Cancer Research</i> , 2015 , 17, 32	8.3	76
50	Impact of the obesity epidemic on cancer. <i>Annual Review of Medicine</i> , 2015 , 66, 281-96	17.4	128
49	Effect of metformin vs placebo on and metabolic factors in NCIC CTG MA.32. <i>Journal of the National Cancer Institute</i> , 2015 , 107,	9.7	88
48	Cancer: Precise control of localized signals. <i>Nature</i> , 2015 , 522, 38-40	50.4	4
47	Evidence for biological effects of metformin in operable breast cancer: biomarker analysis in a pre-operative window of opportunity randomized trial. <i>Breast Cancer Research and Treatment</i> , 2015 , 150, 149-55	4.4	63
46	Characterization of nuclear PTEN and its post translational modifications. <i>Methods</i> , 2015 , 77-78, 104-11	4.6	8
45	The Rho-guanine nucleotide exchange factor PDZ-RhoGEF governs susceptibility to diet-induced obesity and type 2 diabetes. <i>ELife</i> , 2015 , 4,	8.9	14
44	Estrogen controls the survival of BRCA1-deficient cells via a PI3K-NRF2-regulated pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4472-7	11.5	86
43	Structure-guided mutation of the conserved G3-box glycine in Rheb generates a constitutively activated regulator of mammalian target of rapamycin (mTOR). <i>Journal of Biological Chemistry</i> , 2014 , 289, 12195-201	5.4	11
42	A unified nomenclature and amino acid numbering for human PTEN. <i>Science Signaling</i> , 2014 , 7, pe15	8.8	45
41	Structure and Function of the mTOR Activator Rheb 2014 , 281-324		1

40	Membrane-dependent modulation of the mTOR activator Rheb: NMR observations of a GTPase tethered to a lipid-bilayer nanodisc. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3367-70	16.4	56
39	Nuclear PTEN controls DNA repair and sensitivity to genotoxic stress. <i>Science</i> , 2013 , 341, 395-9	33.3	293
38	Metformin in early breast cancer: a prospective window of opportunity neoadjuvant study. <i>Breast Cancer Research and Treatment</i> , 2012 , 135, 821-30	4.4	188
37	Probing the GTPase cycle with real-time NMR: GAP and GEF activities in cell extracts. <i>Methods</i> , 2012 , 57, 473-85	4.6	28
36	Metformin in cancer: translational challenges. <i>Journal of Molecular Endocrinology</i> , 2012 , 48, R31-43	4.5	243
35	An autoinhibited noncanonical mechanism of GTP hydrolysis by Rheb maintains mTORC1 homeostasis. <i>Structure</i> , 2012 , 20, 1528-39	5.2	25
34	Metformin in early breast cancer (BC): A prospective, open-label, neoadjuvant window of opportunity study. <i>Journal of Clinical Oncology</i> , 2012 , 30, 1019-1019	2.2	1
33	Obesity and insulin resistance in breast cancer--chemoprevention strategies with a focus on metformin. <i>Breast</i> , 2011 , 20 Suppl 3, S31-5	3.6	53
32	Understanding the benefit of metformin use in cancer treatment. <i>BMC Medicine</i> , 2011 , 9, 33	11.4	256
31	Evaluation of metformin in early breast cancer: a modification of the traditional paradigm for clinical testing of anti-cancer agents. <i>Breast Cancer Research and Treatment</i> , 2011 , 126, 215-20	4.4	154
30	Nek family of kinases in cell cycle, checkpoint control and cancer. <i>Cell Division</i> , 2011 , 6, 18	2.8	80
29	Nek10 mediates G2/M cell cycle arrest and MEK autoactivation in response to UV irradiation. <i>Molecular and Cellular Biology</i> , 2011 , 31, 30-42	4.8	45
28	Regulation of adipocyte differentiation by distinct subcellular pools of protein kinase B (PKB/Akt). <i>Journal of Biological Chemistry</i> , 2010 , 285, 15038-15047	5.4	21
27	Real-time NMR study of three small GTPases reveals that fluorescent 2'(3')-O-(N-methylanthraniloyl)-tagged nucleotides alter hydrolysis and exchange kinetics. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5132-6	5.4	34
26	Real-time NMR study of guanine nucleotide exchange and activation of RhoA by PDZ-RhoGEF. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5137-45	5.4	30
25	Prkar1a is an osteosarcoma tumor suppressor that defines a molecular subclass in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 3310-25	15.9	78
24	Reply to R.M. Memmott et al. <i>Journal of Clinical Oncology</i> , 2009 , 27, e227-e227	2.2	
23	Reply to A. Vazquez-Martin et al. <i>Journal of Clinical Oncology</i> , 2009 , 27, e210-e210	2.2	1

22	Utility of metformin in breast cancer treatment, is neoangiogenesis a risk factor?. <i>Breast Cancer Research and Treatment</i> , 2009 , 114, 387-9	4.4	35
21	Metformin in breast cancer: time for action. <i>Journal of Clinical Oncology</i> , 2009 , 27, 3271-3	2.2	162
20	Characterization of the intrinsic and TSC2-GAP-regulated GTPase activity of Rheb by real-time NMR. <i>Science Signaling</i> , 2009 , 2, ra3	8.8	46
19	The ubiquitin ligase Nedd4-1 is dispensable for the regulation of PTEN stability and localization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8585-90	11.5	137
18	Functional distinctions of protein kinase B/Akt isoforms defined by their influence on cell migration. <i>Trends in Cell Biology</i> , 2006 , 16, 461-6	18.3	149
17	Negative regulation of myofibroblast differentiation by PTEN (Phosphatase and Tensin Homolog Deleted on chromosome 10). <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 173, 112-21	10.2	175
16	Localization of Rheb to the endomembrane is critical for its signaling function. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 344, 869-80	3.4	152
15	Prostaglandin E(2) inhibits fibroblast migration by E-prostanoid 2 receptor-mediated increase in PTEN activity. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005 , 32, 135-41	5.7	114
14	grb2 heterozygosity rescues embryonic lethality but not tumorigenesis in pten ^{+/-} mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 15358-63	11.5	15
13	Early onset of neoplasia in the prostate and skin of mice with tissue-specific deletion of Pten. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 1725-30	11.5	139
12	PTEN function in mammalian cell size regulation. <i>Current Opinion in Neurobiology</i> , 2002 , 12, 516-22	7.6	74
11	Chk2 regulates irradiation-induced, p53-mediated apoptosis in Drosophila. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 11305-10	11.5	80
10	Deletion of Pten in mouse brain causes seizures, ataxia and defects in soma size resembling Lhermitte-Duclos disease. <i>Nature Genetics</i> , 2001 , 29, 396-403	36.3	400
9	Akt is activated in response to an apoptotic signal. <i>Journal of Biological Chemistry</i> , 2001 , 276, 30461-6	5.4	79
8	Restricted accumulation of phosphatidylinositol 3-kinase products in a plasmalemmal subdomain during Fc gamma receptor-mediated phagocytosis. <i>Journal of Cell Biology</i> , 2001 , 153, 1369-80	7.3	244
7	The conserved PI3'K/PTEN/Akt signaling pathway regulates both cell size and survival in Drosophila. <i>Oncogene</i> , 2000 , 19, 3971-7	9.2	159
6	Regulation of the protein kinase activity of Shaggy(Zeste-white3) by components of the wingless pathway in Drosophila cells and embryos. <i>Journal of Biological Chemistry</i> , 1999 , 274, 21790-6	5.4	69
5	Modulation of cellular apoptotic potential: contributions to oncogenesis. <i>Oncogene</i> , 1999 , 18, 6094-103	9.2	104

4	High cancer susceptibility and embryonic lethality associated with mutation of the PTEN tumor suppressor gene in mice. <i>Current Biology</i> , 1998 , 8, 1169-78	6.3	704
3	Genetic analysis of protein kinase B (AKT) in <i>Drosophila</i> . <i>Current Biology</i> , 1998 , 8, 599-602	6.3	120
2	Negative regulation of PKB/Akt-dependent cell survival by the tumor suppressor PTEN. <i>Cell</i> , 1998 , 95, 29-39	56.2	2072
1	Lithium inhibits glycogen synthase kinase-3 activity and mimics wingless signalling in intact cells. <i>Current Biology</i> , 1996 , 6, 1664-8	6.3	1150