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List of Publications by Year
in descending order

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53 papers	3,148 citations	126708 33 h-index	214527 47 g-index
53 all docs	53 docs citations	53 times ranked	4785 citing authors

#	Article	IF	Citations
1	Flavonoids in Cancer and Apoptosis. Cancers, 2019, 11, 28.	1.7	441
2	Metformin modulates hyperglycaemiaâ€•induced endothelial senescence and apoptosis through <scp>SIRT1</scp>. British Journal of Pharmacology, 2014, 171, 523-535.	2.7	193
3	The endothelium: influencing vascular smooth muscle in many ways. Canadian Journal of Physiology and Pharmacology, 2012, 90, 713-738.	0.7	188
4	Akt/FOXO3a/SIRT1-Mediated Cardioprotection by n-Tyrosol against Ischemic Stress in Rat in Vivo Model of Myocardial Infarction: Switching Gears toward Survival and Longevity. Journal of Agricultural and Food Chemistry, 2008, 56, 9692-9698.	2.4	112
5	Targeting Glucose Metabolism to Overcome Resistance to Anticancer Chemotherapy in Breast Cancer. Cancers, 2020, 12, 2252.	1.7	111
6	Flavonoids in Cancer Metastasis. Cancers, 2020, 12, 1498.	1.7	108
7	Thioredoxin-1 Gene Therapy Enhances Angiogenic Signaling and Reduces Ventricular Remodeling in Infarcted Myocardium of Diabetic Rats. Circulation, 2010, 121, 1244-1255.	1.6	100
8	Endothelial Dysfunction in Diabetes Mellitus: Possible Involvement of Endoplasmic Reticulum Stress?. Experimental Diabetes Research, 2012, 2012, 1-14.	3.8	98
9	Anti-Cancer Agents in Proliferation and Cell Death: The Calcium Connection. International Journal of Molecular Sciences, 2019, 20, 3017.	1.8	91
10	Thioredoxin 1 enhances neovascularization and reduces ventricular remodeling during chronic myocardial infarction: A study using thioredoxin 1 transgenic mice. Journal of Molecular and Cellular Cardiology, 2011, 50, 239-247.	0.9	88
11	Flavonoids against the Warburg phenotypeâ€”concepts of predictive, preventive and personalised medicine to cut the Gordian knot of cancer cell metabolism. EPMA Journal, 2020, 11, 377-398.	3.3	88
12	Molecular Interplay between microRNA-34a and Sirtuin1 in Hyperglycemia-Mediated Impaired Angiogenesis in Endothelial Cells: Effects of Metformin. Journal of Pharmacology and Experimental Therapeutics, 2016, 356, 314-323.	1.3	78
13	The â€œYin and Yangâ€•of Natural Compounds in Anticancer Therapy of Triple-Negative Breast Cancers. Cancers, 2018, 10, 346.	1.7	75
14	Challenges and perspectives in the treatment of diabetes associated breast cancer. Cancer Treatment Reviews, 2018, 70, 98-111.	3.4	73
15	Dietary Phytochemicals Targeting Cancer Stem Cells. Molecules, 2019, 24, 899.	1.7	72
16	Carotenoids in Cancer Apoptosisâ€”The Road from Bench to Bedside and Back. Cancers, 2020, 12, 2425.	1.7	65
17	Anticancer Activities of Thymus vulgaris L. in Experimental Breast Carcinoma in Vivo and in Vitro. International Journal of Molecular Sciences, 2019, 20, 1749.	1.8	62
18	Strategic targets to induce neovascularization by resveratrol in hypercholesterolemic rat myocardium: Role of caveolin-1, endothelial nitric oxide synthase, hemeoxygenase-1, and vascular endothelial growth factor. Free Radical Biology and Medicine, 2008, 45, 1027-1034.	1.3	61

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19	Metformin: The Answer to Cancer in a Flower? Current Knowledge and Future Prospects of Metformin as an Anti-Cancer Agent in Breast Cancer. Biomolecules, 2019, 9, 846.	1.8	60
20	Homocysteine metabolism as the target for predictive medical approach, disease prevention, prognosis, and treatments tailored to the person. EPMA Journal, 2021, 12, 477-505.	3.3	58
21	Niacin bound chromium treatment induces myocardial Glut-4 translocation and caveolar interaction via Akt, AMPK and eNOS phosphorylation in streptozotocin induced diabetic rats after ischemia-reperfusion injury. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 39-48.	1.8	56
22	Therapeutic Potential of Metformin in COVID-19: Reasoning for Its Protective Role. Trends in Microbiology, 2021, 29, 894-907.	3.5	53
23	Redox regulation of ischemic preconditioning is mediated by the differential activation of caveolins and their association with eNOS and GLUT-4. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H2060-H2072.	1.5	52
24	Mesenchymal Stem Cell: Present Challenges and Prospective Cellular Cardiomyoplasty Approaches for Myocardial Regeneration. Antioxidants and Redox Signaling, 2009, 11, 1841-1855.	2.5	52
25	Anti-Angiogenic Effects of Phytochemicals on miRNA Regulating Breast Cancer Progression. Biomolecules, 2020, 10, 191.	1.8	52
26	Coadministration of Adenoviral Vascular Endothelial Growth Factor and Angiopoietin-1 Enhances Vascularization and Reduces Ventricular Remodeling in the Infarcted Myocardium of Type 1 Diabetic Rats. Diabetes, 2010, 59, 51-60.	0.3	50
27	Resveratrolâ€™s Anti-Cancer Effects through the Modulation of Tumor Glucose Metabolism. Cancers, 2021, 13, 188.	1.7	49
28	Upregulation of myocardial 11S-activated proteasome in experimental hyperglycemia. Journal of Molecular and Cellular Cardiology, 2008, 44, 618-621.	0.9	47
29	Diabetes and coronavirus (SARS-CoV-2): Molecular mechanism of Metformin intervention and the scientific basis of drug repurposing. PLoS Pathogens, 2021, 17, e1009634.	2.1	43
30	Chemopreventive and Therapeutic Efficacy of Cinnamomum zeylanicum L. Bark in Experimental Breast Carcinoma: Mechanistic In Vivo and In Vitro Analyses. Molecules, 2020, 25, 1399.	1.7	40
31	The role of dietary phytochemicals in the carcinogenesis via the modulation of miRNA expression. Journal of Cancer Research and Clinical Oncology, 2019, 145, 1665-1679.	1.2	39
32	High Glucose Represses the Anti-Proliferative and Pro-Apoptotic Effect of Metformin in Triple Negative Breast Cancer Cells. Biomolecules, 2019, 9, 16.	1.8	39
33	White Wine Induced Cardioprotection against Ischemia-Reperfusion Injury Is Mediated by Life Extending Akt/FOXO3a/NFÎºB Survival Pathway. Journal of Agricultural and Food Chemistry, 2008, 56, 6733-6739.	2.4	38
34	Metformin represses glucose starvation induced autophagic response in microvascular endothelial cells and promotes cell death. Biochemical Pharmacology, 2017, 132, 118-132.	2.0	34
35	Implications of flavonoids as potential modulators of cancer neovascularity. Journal of Cancer Research and Clinical Oncology, 2020, 146, 3079-3096.	1.2	31
36	Counteracting Chemoresistance with Metformin in Breast Cancers: Targeting Cancer Stem Cells. Cancers, 2020, 12, 2482.	1.7	30

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37	Combination Therapy with Vitamin C Could Eradicate Cancer Stem Cells. Biomolecules, 2020, 10, 79.	1.8	27
38	Effects of oxidative and thermal stresses on stress granule formation in human induced pluripotent stem cells. PLoS ONE, 2017, 12, e0182059.	1.1	24
39	Ex Vivo and In Vivo Approaches to Study Mechanisms of Cardioprotection Targeting Ischemia/Reperfusion (I/R) Injury: Useful Techniques for Cardiovascular Drug Discovery. Current Drug Discovery Technologies, 2008, 5, 269-278.	0.6	23
40	Triptolide Decreases Cell Proliferation and Induces Cell Death in Triple Negative MDA-MB-231 Breast Cancer Cells. Biomolecules, 2018, 8, 163.	1.8	22
41	Novel role of NADPH oxidase in ischemic myocardium: a study with Nox2 knockout mice. Functional and Integrative Genomics, 2012, 12, 501-514.	1.4	21
42	Treatment with a Combination of Metformin and 2-Deoxyglucose Upregulates Thrombospondin-1 in Microvascular Endothelial Cells: Implications in Anti-Angiogenic Cancer Therapy. Cancers, 2019, 11, 1737.	1.7	21
43	The role of plant-derived natural substances as immunomodulatory agents in carcinogenesis. Journal of Cancer Research and Clinical Oncology, 2020, 146, 3137-3154.	1.2	20
44	COVID-19 Vaccines and Hyperglycemiaâ€"Is There a Need for Postvaccination Surveillance?. Vaccines, 2022, 10, 454.	2.1	20
45	Fluctuations of Histone Chemical Modifications in Breast, Prostate, and Colorectal Cancer: An Implication of Phytochemicals as Defenders of Chromatin Equilibrium. Biomolecules, 2019, 9, 829.	1.8	19
46	Metabolic Anti-Cancer Effects of Melatonin: Clinically Relevant Prospects. Cancers, 2021, 13, 3018.	1.7	14
47	Peroxynitrite Biology. , 2014, , 207-242.		6
48	Treating Cancers Using Natureâ€™s Medicine: Significance and Challenges. Biomolecules, 2021, 11, 1698.	1.8	4
49	Role of Oxidative Stress in Hyperglycemia Induced Endoplasmic Reticulum Stress Associated Vascular Dysfunction. Qatar Foundation Annual Research Forum Proceedings, 2011, , BMP32.	0.0	0
50	Hyperglycemia-induced stress granule formation in mouse microvascular endothelial cells. , 2012, , .		0
51	Metformin Reverses Glucose Starvation Induced Endoplasmic Reticulum Stress And Autophagy In The Microvascular Endothelium. , 2014, , .		0
52	Metformin Mediated Inhibition of the mTOR Pathway Promotes Death in Glucose Starved Micro-Vascular Endothelial Cells. , 2016, , .		0
53	Antiproliferative Effects of Metformin in Triple Negative MDAâ€MB 231 Breast Cancer Cells Exposed to Glucoseâ€Starved And 2â€Deoxyglucose. FASEB Journal, 2018, 32, lb669.	0.2	0