

# Agnieszka Gizak

## List of Publications by Citations

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45  
papers

1,447  
citations

19  
h-index

38  
g-index

49  
ext. papers

1,818  
ext. citations

5.6  
avg, IF

4.29  
L-index

#	Paper	IF	Citations
45	GSK-3 as potential target for therapeutic intervention in cancer. <i>Oncotarget</i> , <b>2014</b> , 5, 2881-911	3.3	332
44	Deregulation of the EGFR/PI3K/PTEN/Akt/mTORC1 pathway in breast cancer: possibilities for therapeutic intervention. <i>Oncotarget</i> , <b>2014</b> , 5, 4603-50	3.3	179
43	Effects of resveratrol, curcumin, berberine and other nutraceuticals on aging, cancer development, cancer stem cells and microRNAs. <i>Aging</i> , <b>2017</b> , 9, 1477-1536	5.6	112
42	Effects of mutations in Wnt/ $\beta$ -catenin, hedgehog, Notch and PI3K pathways on GSK-3 activity-Diverse effects on cell growth, metabolism and cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 2942-2976	4.9	101
41	Roles of GSK-3 and microRNAs on epithelial mesenchymal transition and cancer stem cells. <i>Oncotarget</i> , <b>2017</b> , 8, 14221-14250	3.3	68
40	Targeting GSK3 and Associated Signaling Pathways Involved in Cancer. <i>Cells</i> , <b>2020</b> , 9,	7.9	67
39	Targeting GSK3 signaling as a potential therapy of neurodegenerative diseases and aging. <i>Expert Opinion on Therapeutic Targets</i> , <b>2018</b> , 22, 833-848	6.4	52
38	Astrocyte-neuron crosstalk regulates the expression and subcellular localization of carbohydrate metabolism enzymes. <i>Glia</i> , <b>2015</b> , 63, 328-40	9	45
37	Metformin influences drug sensitivity in pancreatic cancer cells. <i>Advances in Biological Regulation</i> , <b>2018</b> , 68, 13-30	6.2	34
36	Regulation of GSK-3 activity by curcumin, berberine and resveratrol: Potential effects on multiple diseases. <i>Advances in Biological Regulation</i> , <b>2017</b> , 65, 77-88	6.2	31
35	Aging-associated changes in hippocampal glycogen metabolism in mice. Evidence for and against astrocyte-to-neuron lactate shuttle. <i>Glia</i> , <b>2018</b> , 66, 1481-1495	9	30
34	Critical Roles of EGFR Family Members in Breast Cancer and Breast Cancer Stem Cells: Targets for Therapy. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 2358-88	3.3	30
33	Integrating Proteomics and Enzyme Kinetics Reveals Tissue-Specific Types of the Glycolytic and Gluconeogenic Pathways. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 3263-73	5.6	29
32	Roles of TP53 in determining therapeutic sensitivity, growth, cellular senescence, invasion and metastasis. <i>Advances in Biological Regulation</i> , <b>2017</b> , 63, 32-48	6.2	28
31	Novel roles of androgen receptor, epidermal growth factor receptor, TP53, regulatory RNAs, NF-kappa-B, chromosomal translocations, neutrophil associated gelatinase, and matrix metalloproteinase-9 in prostate cancer and prostate cancer stem cells. <i>Advances in Biological Regulation</i> , <b>2016</b> , 60, 61-87	6.2	26
30	Abilities of berberine and chemically modified berberines to inhibit proliferation of pancreatic cancer cells. <i>Advances in Biological Regulation</i> , <b>2019</b> , 71, 172-182	6.2	25
29	Muscle FBPase binds to cardiomyocyte mitochondria under glycogen synthase kinase-3 inhibition or elevation of cellular Ca <sup>2+</sup> level. <i>FEBS Letters</i> , <b>2012</b> , 586, 13-9	3.8	24

28	Effects of berberine, curcumin, resveratrol alone and in combination with chemotherapeutic drugs and signal transduction inhibitors on cancer cells-Power of nutraceuticals. <i>Advances in Biological Regulation</i> , <b>2018</b> , 67, 190-211	6.2	21
27	GSK3 $\beta$ A Master Player in Depressive Disorder Pathogenesis and Treatment Responsiveness. <i>Cells</i> , <b>2020</b> , 9,	7.9	19
26	Nuclear targeting of FBPase in HL-1 cells is controlled by beta-1 adrenergic receptor-activated Gs protein signaling cascade. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2009</b> , 1793, 871-7	4.9	19
25	Targeting a moonlighting function of aldolase induces apoptosis in cancer cells. <i>Cell Death and Disease</i> , <b>2019</b> , 10, 712	9.8	16
24	Evolutionary conserved N-terminal region of human muscle fructose 1,6-bisphosphatase regulates its activity and the interaction with aldolase. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2008</b> , 72, 209-16	4.2	16
23	Abilities of berberine and chemically modified berberines to interact with metformin and inhibit proliferation of pancreatic cancer cells. <i>Advances in Biological Regulation</i> , <b>2019</b> , 73, 100633	6.2	15
22	Muscle FBPase is targeted to nucleus by its 203KKKGK207 sequence. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2009</b> , 77, 262-7	4.2	15
21	Fructose-1,6-bisphosphatase: From a glucose metabolism enzyme to multifaceted regulator of a cell fate. <i>Advances in Biological Regulation</i> , <b>2019</b> , 72, 41-50	6.2	11
20	Proteomics Unveils Fibroblast-Cardiomyocyte Lactate Shuttle and Hexokinase Paradox in Mouse Muscles. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 2479-90	5.6	10
19	Dimeric and tetrameric forms of muscle fructose-1,6-bisphosphatase play different roles in the cell. <i>Oncotarget</i> , <b>2017</b> , 8, 115420-115433	3.3	10
18	Changes in quaternary structure of muscle fructose-1,6-bisphosphatase regulate affinity of the enzyme to mitochondria. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2014</b> , 48, 55-9	5.6	9
17	Destabilization of fructose 1,6-bisphosphatase-Z-line interactions is a mechanism of glyconeogenesis down-regulation in vivo. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2013</b> , 1833, 622-8	4.9	9
16	The Reverse Warburg Effect is Associated with Fbp2-Dependent Hif1 $\beta$ Regulation in Cancer Cells Stimulated by Fibroblasts. <i>Cells</i> , <b>2020</b> , 9,	7.9	8
15	Cell-to-cell lactate shuttle operates in heart and is important in age-related heart failure. <i>Aging</i> , <b>2020</b> , 12, 3388-3406	5.6	7
14	Insulin/IGF1-PI3K-dependent nucleolar localization of a glycolytic enzyme--phosphoglycerate mutase 2, is necessary for proper structure of nucleolus and RNA synthesis. <i>Oncotarget</i> , <b>2015</b> , 6, 17237-50	3.3	7
13	Abilities of $\beta$ Estradiol to interact with chemotherapeutic drugs, signal transduction inhibitors and nutraceuticals and alter the proliferation of pancreatic cancer cells. <i>Advances in Biological Regulation</i> , <b>2020</b> , 75, 100672	6.2	7
12	GSK-3 $\beta$ Can Regulate the Sensitivity of MIA-PaCa-2 Pancreatic and MCF-7 Breast Cancer Cells to Chemotherapeutic Drugs, Targeted Therapeutics and Nutraceuticals. <i>Cells</i> , <b>2021</b> , 10,	7.9	7
11	GSK-3 and miRs: Master regulators of therapeutic sensitivity of cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2020</b> , 1867, 118770	4.9	5

10	A comparative study on the sensitivity of <i>Cyprinus carpio</i> muscle and liver FBPase toward AMP and calcium. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2012</b> , 162, 51-5 <sup>2-3</sup>	5
9	GSK3 and miRNA in neural tissue: From brain development to neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2020</b> , 1867, 118696	4.9 4
8	Fructose 1,6-Bisphosphatase 2 Plays a Crucial Role in the Induction and Maintenance of Long-Term Potentiation. <i>Cells</i> , <b>2020</b> , 9,	7.9 3
7	Will Quantitative Proteomics Redefine Some of the Key Concepts in Skeletal Muscle Physiology?. <i>Proteomes</i> , <b>2016</b> , 4,	4.6 3
6	Sensitivity of pancreatic cancer cells to chemotherapeutic drugs, signal transduction inhibitors and nutraceuticals can be regulated by WT-TP53. <i>Advances in Biological Regulation</i> , <b>2021</b> , 79, 100780	6.2 3
5	GSK3 as a Regulator of Cytoskeleton Architecture: Consequences for Health and Disease. <i>Cells</i> , <b>2021</b> , 10,	7.9 3
4	A novel remitting leukodystrophy associated with a variant in. <i>Brain Communications</i> , <b>2021</b> , 3, fcab036	4.5 1
3	Effects of the Mutant TP53 Reactivator APR-246 on Therapeutic Sensitivity of Pancreatic Cancer Cells in the Presence and Absence of WT-TP53.. <i>Cells</i> , <b>2022</b> , 11,	7.9 1
2	Wild type and gain of function mutant TP53 can regulate the sensitivity of pancreatic cancer cells to chemotherapeutic drugs, EGFR/Ras/Raf/MEK, and PI3K/mTORC1/GSK-3 pathway inhibitors, nutraceuticals and alter metabolic properties.. <i>Aging</i> , <b>2022</b> , 14, 3365-3386	5.6 0
1	FBP2 <sup>Δ</sup> New Player in Regulation of Motility of Mitochondria and Stability of Microtubules in Cardiomyocytes. <i>Cells</i> , <b>2022</b> , 11, 1710	7.9