Alicja Kuban-Jankowska

List of Publications by Year
in descending order

41 papers	1,345 citations	566801 15 h-index	360668 35 g-index
42 all docs	42 docs citations	42 times ranked	1996 citing authors

#	Article	IF	Citations
1	Synthesis, In Vitro, and Computational Studies of PTP1B Phosphatase Inhibitors Based on Oxovanadium(IV) and Dioxovanadium(V) Complexes. International Journal of Molecular Sciences, 2022, 23, 7034.	1.8	4
2	Induction of 2-hydroxycatecholestrogens O-methylation: A missing puzzle piece in diagnostics and treatment of lung cancer. Redox Biology, 2022, 55, 102395.	3.9	5
3	Plausible Role of Estrogens in Pathogenesis, Progression and Therapy of Lung Cancer. International Journal of Environmental Research and Public Health, 2021, 18, 648.	1.2	24
4	Regulation of mitochondrial dynamics in 2-methoxyestradiol-mediated osteosarcoma cell death. Scientific Reports, 2021, 11, 1616.	1.6	7
5	Regulation of Mitochondrial Dynamics in Parkinsonâ€™s Diseaseâ€”Is 2-Methoxyestradiol a Missing Piece?. Antioxidants, 2021, 10, 248.	2.2	4
6	Curcumin and Its New Derivatives: Correlation between Cytotoxicity against Breast Cancer Cell Lines, Degradation of PTP1B Phosphatase and ROS Generation. International Journal of Molecular Sciences, 2021, 22, 10368.	1.8	8
7	Green Tea Catechins Induce Inhibition of PTP1B Phosphatase in Breast Cancer Cells with Potent Anti-Cancer Properties: In Vitro Assay, Molecular Docking, and Dynamics Studies. Antioxidants, 2020, 9, 1208.	2.2	23
8	Beneficial Properties of Green Tea Catechins. International Journal of Molecular Sciences, 2020, 21, 1744.	1.8	341
9	The Major Heat Shock Proteins, Hsp70 and Hsp90, in 2-Methoxyestradiol-Mediated Osteosarcoma Cell Death Model. International Journal of Molecular Sciences, 2020, 21, 616.	1.8	8
10	Modification of DNA structure by reactive nitrogen species as a result of 2-methoxyestradiolâ€“induced neuronal nitric oxide synthase uncoupling in metastatic osteosarcoma cells. Redox Biology, 2020, 32, 101522.	3.9	10
11	Inhibitors of Protein Tyrosine Phosphatase PTP1B With Anticancer Potential. Anticancer Research, 2019, 39, 3379-3384.	0.5	27
12	2-Methoxyestradiol and Its Combination with a Natural Compound, Ferulic Acid, Induces Melanoma Cell Death via Downregulation of Hsp60 and Hsp90. Journal of Oncology, 2019, 2019, 1-12.	0.6	10
13	Docosahexaenoic Acid Inhibits PTP1B Phosphatase and the Viability of MCF-7 Breast Cancer Cells. Nutrients, 2019, 11, 2554.	1.7	9
14	Nitric oxide and its derivatives in the cancer battlefield. Nitric Oxide - Biology and Chemistry, 2019, 93, 102-114.	1.2	79
15	PTP1B phosphatase as a novel target of oleuropein activity in MCF-7 breast cancer model. Toxicology in Vitro, 2019, 61, 104624.	1.1	15
16	Anticancer Potential of Oleuropein, the Polyphenol of Olive Oil, With 2-Methoxyestradiol, Separately or in Combination, in Human Osteosarcoma Cells. Anticancer Research, 2019, 39, 1243-1251.	0.5	29
17	Curcumin and Cinnamaldehyde as PTP1B Inhibitors With Antidiabetic and Anticancer Potential. Anticancer Research, 2019, 39, 745-749.	0.5	35
18	Synthesis of small peptide compounds, molecular docking, and inhibitory activity evaluation against phosphatases PTP1B and SHP2. Drug Design, Development and Therapy, 2018, Volume 12, 4139-4147.	2.0	14

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19	The oxidation-reduction reactions in regulation of protein tyrosine phosphatases activity. AIP Conference Proceedings, 2018, , .	0.3	0
20	Potential Health Benefits of Olive Oil and Plant Polyphenols. International Journal of Molecular Sciences, 2018, 19, 686.	1.8	421
21	2-Methoxyestradiol Affects Mitochondrial Biogenesis Pathway and Succinate Dehydrogenase Complex Flavoprotein Subunit A in Osteosarcoma Cancer Cells. Cancer Genomics and Proteomics, 2018, 15, 73-89.	1.0	18
22	2â€•methoxyestradiol impacts on amino acidsâ€•mediated metabolic reprogramming in osteosarcoma cells by its interaction with NMDA receptor. Journal of Cellular Physiology, 2017, 232, 3030-3049.	2.0	15
23	Lipoic Acid Decreases the Viability of Breast Cancer Cells and Activity of PTP1B and SHP2. Anticancer Research, 2017, 37, 2893-2898.	0.5	22
24	2-Methoxyestradiol Reverses the Pro-Carcinogenic Effect of L-Lactate in Osteosarcoma 143B Cells. Cancer Genomics and Proteomics, 2017, 14, 483-493.	1.0	15
25	Inhibitory Activity of Iron Chelators ATA and DFO on MCF-7 Breast Cancer Cells and Phosphatases PTP1B and SHP2. Anticancer Research, 2017, 37, 4799-4806.	0.5	17
26	Chicoric acid binds to two sites and decreases the activity of the YopH bacterial virulence factor. Oncotarget, 2016, 7, 2229-2238.	0.8	16
27	Aurintricarboxylic acid structure modifications lead to reduction of inhibitory properties against virulence factor YopH and higher cytotoxicity. World Journal of Microbiology and Biotechnology, 2016, 32, 163.	1.7	6
28	Neuronal Nitric Oxide Synthase-Mediated Genotoxicity of 2-Methoxyestradiol in Hippocampal HT22 Cell Line. Molecular Neurobiology, 2016, 53, 5030-5040.	1.9	12
29	New Insight into 2-Methoxyestradiol- a Possible Physiological Link between Neurodegeneration and Cancer Cell Death. Current Medicinal Chemistry, 2016, 23, 1513-1527.	1.2	10
30	Growth Inhibition of Osteosarcoma Cell Lines in 3D Cultures: Role of Nitrosative and Oxidative Stress. Anticancer Research, 2016, 36, 221-9.	0.5	7
31	Nitro-oxidative Stress Is Involved in Anticancer Activity of 17Î²-Estradiol Derivative in Neuroblastoma Cells. Anticancer Research, 2016, 36, 1693-8.	0.5	10
32	Impact of Apparent Antagonism of Estrogen Receptor Î² by Fulvestrant on Anticancer Activity of 2-Methoxyestradiol. Anticancer Research, 2016, 36, 2217-26.	0.5	9
33	Protein tyrosine phosphatases in pathological process. Frontiers in Bioscience - Landmark, 2015, 20, 377-388.	3.0	17
34	A Proposed Molecular Mechanism of High-Dose Vitamin D3 Supplementation in Prevention and Treatment of Preeclampsia. International Journal of Molecular Sciences, 2015, 16, 13043-13064.	1.8	19
35	The physiological concentration of ferrous iron (II) alters the inhibitory effect of hydrogen peroxide on CD45, LAR and PTP1B phosphatases. BioMetals, 2015, 28, 975-986.	1.8	5
36	Inactivation of Protein Tyrosine Phosphatases by Peracids Correlates with the Hydrocarbon Chain Length. Cellular Physiology and Biochemistry, 2015, 36, 1069-1083.	1.1	12

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37	DNA strand breaks induced by nuclear hijacking of neuronal NOS as an anti-cancer effect of 2-methoxyestradiol. Oncotarget, 2015, 6, 15449-15463.	0.8	20
38	Redox process is crucial for inhibitory properties of aurintricarboxylic acid against activity of YopH: virulence factor ofYersinia pestis. Oncotarget, 2015, 6, 18364-18373.	0.8	6
39	Neuronal Nitric Oxide Synthase Induction in the Antitumorigenic and Neurotoxic Effects of 2-Methoxyestradiol. Molecules, 2014, 19, 13267-13281.	1.7	19
40	Activation of Hydrogen Peroxide to Peroxytetradecanoic Acid Is Responsible for Potent Inhibition of Protein Tyrosine Phosphatase CD45. PLoS ONE, 2012, 7, e52495.	1.1	11
41	Protein tyrosine phosphatase CD45 as a molecular biosensor of hydrogen peroxide generation in cell culture media. Biochemical and Biophysical Research Communications, 2011, 415, 270-273.	1.0	4