Wojciech Rzeski

List of Publications by Year
in descending order

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Version: 2024-02-01

		136740	168136
101	3,323	32	53
papers	citations	h-index	g-index

102	102	102	4877
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glutamate antagonists limit tumor growth. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6372-6377.	3.3	243
2	Expression of glutamate receptor subunits in human cancers. Histochemistry and Cell Biology, 2009, 132, 435-445.	0.8	165
3	Anticancer, neuroprotective activities and computational studies of 2-amino-1,3,4-thiadiazole based compound. Bioorganic and Medicinal Chemistry, 2007, 15, 3201-3207.	1.4	151
4	Mechanisms leading to disseminated apoptosis following NMDA receptor blockade in the developing rat brain. Neurobiology of Disease, 2004, 16, 440-453.	2.1	149
5	NMDA antagonist inhibits the extracellular signal-regulated kinase pathway and suppresses cancer growth. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15605-15610.	3.3	129
6	Anticancer agents are potent neurotoxins in vitro and in vivo. Annals of Neurology, 2004, 56, 351-360.	2.8	111
7	Betulinic acid decreases expression of bcl-2 and cyclin D1, inhibits proliferation, migration and induces apoptosis in cancer cells. Naunyn-Schmiedeberg's Archives of Pharmacology, 2006, 374, 11-20.	1.4	108
8	Biological Properties of Melanoidins: A Review. International Journal of Food Properties, 2014, 17, 344-353.	1.3	90
9	Apoptosis induction in human glioblastoma multiforme T98G cells upon temozolomide and quercetin treatment. Tumor Biology, 2013, 34, 2367-2378.	0.8	84
10	Glutamate antagonists limit tumor growth. Biochemical Pharmacology, 2002, 64, 1195-1200.	2.0	74
11	Kynurenic acid synthesis and kynurenine aminotransferases expression in colon derived normal and cancer cells. Scandinavian Journal of Gastroenterology, 2011, 46, 903-912.	0.6	68
12	Temozolomide, quercetin and cell death in the MOGGCCM astrocytoma cell line. Chemico-Biological Interactions, 2010, 188, 190-203.	1.7	63
13	Anticancer properties of polysaccharides isolated from fungi of the Basidiomycetes class. Wspolczesna Onkologia, 2012, 4, 285-289.	0.7	63
14	Fluoxetine inhibits the extracellular signal regulated kinase pathway and suppresses growth of cancer cells. Cancer Biology and Therapy, 2008, 7, 1685-1693.	1.5	61
15	Betulin Elicits Antiâ€Cancer Effects in Tumour Primary Cultures and Cell Lines In Vitro. Basic and Clinical Pharmacology and Toxicology, 2009, 105, 425-432.	1.2	61
16	Anticancer effect of the water extract of a commercial Spirulina (Arthrospira platensis) product on the human lung cancer A549 cell line. Biomedicine and Pharmacotherapy, 2018, 106, 292-302.	2.5	61
17	Chlorpyrifos and Cypermethrin Induce Apoptosis in Human Neuroblastoma Cell Line <scp>SH</scp>â€<scp>SY</scp>5Y. Basic and Clinical Pharmacology and Toxicology, 2015, 116, 158-167.	1.2	56
18	Silencing of Hsp27 and Hsp72 in glioma cells as a tool for programmed cell death induction upon temozolomide and quercetin treatment. Toxicology and Applied Pharmacology, 2013, 273, 580-589.	1.3	48

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19	New biological activity of the polysaccharide fraction from Cantharellus cibarius and its structural characterization. Food Chemistry, 2018, 268, 355-361.	4.2	47
20	Quercetin and Sorafenib as a Novel and Effective Couple in Programmed Cell Death Induction in Human Gliomas. Neurotoxicity Research, 2014, 26, 64-77.	1.3	44
21	A New Method for the Isolation of Ergosterol and Peroxyergosterol as Active Compounds of Hygrophoropsis aurantiaca and in Vitro Antiproliferative Activity of Isolated Ergosterol Peroxide. Molecules, 2016, 21, 946.	1.7	44
22	Kynurenic acid inhibits proliferation and migration of human glioblastoma T98G cells. Pharmacological Reports, 2014, 66, 130-136.	1.5	43
23	Anticancer effect of ethanol Lycium barbarum (Goji berry) extract on human breast cancer T47D cell line. Natural Product Research, 2016, 30, 1993-1996.	1.0	43
24	2-Amino-1,3,4-thiadiazole derivative (FABT) inhibits the extracellular signal-regulated kinase pathway and induces cell cycle arrest in human non-small lung carcinoma cells. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5466-5469.	1.0	42
25	Kynurenic acid in human renal cell carcinoma: its antiproliferative and antimigrative action on Caki-2 cells. Amino Acids, 2012, 43, 1663-1670.	1.2	41
26	Kynurenic acid, an endogenous constituent of rheumatoid arthritis synovial fluid, inhibits proliferation of synoviocytes in vitro. Rheumatology International, 2006, 26, 422-426.	1.5	39
27	Anticancer Effects of Fraction Isolated from Fruiting Bodies of Chaga Medicinal Mushroom, Inonotus obliquus (Pers.:Fr.) PilÃ¡t (Aphyllophoromycetideae): In Vitro Studies. International Journal of Medicinal Mushrooms, 2011, 13, 131-143.	0.9	37
28	LC-ESI-MS/MS Identification of Biologically Active Phenolic Compounds in Mistletoe Berry Extracts from Different Host Trees. Molecules, 2017, 22, 624.	1.7	36
29	Inhibition of mitochondrial 2-oxoglutarate dehydrogenase impairs viability of cancer cells in a cell-specific metabolism-dependent manner. Oncotarget, 2016, 7, 26400-26421.	0.8	35
30	AMPA antagonists inhibit the extracellular signal regulated kinase pathway and suppress lung cancer growth. Cancer Biology and Therapy, 2007, 6, 1908-1915.	1.5	34
31	Boletus edulis biologically active biopolymers induce cell cycle arrest in human colon adenocarcinoma cells. Food and Function, 2013, 4, 575.	2.1	33
32	Kynurenic acid protects against the homo-cysteine-induced impairment of endothelial cells. Pharmacological Reports, 2009, 61, 751-756.	1.5	32
33	Alpha-ketoglutarate (AKG) inhibits proliferation of colon adenocarcinoma cells in normoxic conditions. Scandinavian Journal of Gastroenterology, 2012, 47, 565-571.	0.6	32
34	Antibacterial Activity of Gentamicin-bonded Gelatin-sealed Polyethylene Terephthalate Vascular Prostheses. European Journal of Vascular and Endovascular Surgery, 2005, 29, 419-424.	0.8	31
35	Demonstration of Kynurenine Aminotransferases I and II and Characterization of Kynurenic Acid Synthesis in Oligodendrocyte Cell Line (OLN-93). Neurochemical Research, 2005, 30, 963-968.	1.6	31
36	Temozolomide and sorafenib as programmed cell death inducers of human glioma cells. Pharmacological Reports, 2017, 69, 779-787.	1.5	31

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37	Kynurenic acid enhances expression of p21 Waf1/Cip1 in colon cancer HT-29 cells. Pharmacological Reports, 2012, 64, 745-750.	1.5	30
38	The effect of quercetin and imperatorin on programmed cell death induction in T98G cells in vitro. Pharmacological Reports, 2014, 66, 292-300.	1.5	30
39	Neuroprotective properties of Cantharellus cibarius polysaccharide fractions in different in vitro models of neurodegeneration. Carbohydrate Polymers, 2018, 197, 598-607.	5.1	29
40	The subcellular distribution of the human ribosomal â€œstalkâ€•components: P1, P2 and P0 proteins. International Journal of Biochemistry and Cell Biology, 2003, 35, 203-211.	1.2	28
41	Antiproliferative activity of parthenolide against three human cancer cell lines and human umbilical vein endothelial cells. Pharmacological Reports, 2007, 59, 233-7.	1.5	27
42	Demonstration of kynurenine aminotransferases I and II and characterization of kynurenic acid synthesis in cultured cerebral cortical neurons. Journal of Neuroscience Research, 2005, 80, 677-682.	1.3	26
43	Kynurenic acid in human saliva--does it influence oral microflora?. Pharmacological Reports, 2006, 58, 393-8.	1.5	26
44	Anticancer Effect of Fraction Isolated from Medicinal Birch Polypore Mushroom, Piptoporus betulinus (Bull.: Fr.) P. Karst. (Aphyllophoromycetideae): In Vitro Studies. International Journal of Medicinal Mushrooms, 2009, 11, 351-364.	0.9	25
45	Covalent coating of hydroxyapatite by keratin stabilizes gentamicin release. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 89B, 102-113.	1.6	24
46	Fomitopsis betulina (formerly Piptoporus betulinus): the Icemanâ€™s polypore fungus with modern biotechnological potential. World Journal of Microbiology and Biotechnology, 2017, 33, 83.	1.7	23
47	Betulin Promotes Differentiation of Human Osteoblasts In Vitro and Exerts an Osteoinductive Effect on the hFOB 1.19 Cell Line Through Activation of JNK, ERK1/2, and mTOR Kinases. Molecules, 2019, 24, 2637.	1.7	23
48	Kynurenic acid production in cultured bovine aortic endothelial cells. Homocysteine is a potent inhibitor. Naunyn-Schmiedeberg's Archives of Pharmacology, 2004, 369, 300-304.	1.4	21
49	Kinetic studies of the effects of Temodal and quercetin on astrocytoma cells. Pharmacological Reports, 2011, 63, 403-416.	1.5	21
50	Melanoidins isolated from heated potato fiber (Potex) affect human colon cancer cells growth via modulation of cell cycle and proliferation regulatory proteins. Food and Chemical Toxicology, 2013, 57, 246-255.	1.8	21
51	Riluzole Inhibits Proliferation, Migration and Cell Cycle Progression and Induces Apoptosis in Tumor Cells of Various Origins. Anti-Cancer Agents in Medicinal Chemistry, 2018, 18, 565-572.	0.9	21
52	Involvement of PI3K Pathway in Glioma Cell Resistance to Temozolomide Treatment. International Journal of Molecular Sciences, 2021, 22, 5155.	1.8	20
53	Cytotoxicity of monensin, narasin and salinomycin and their interaction with silybin in HepG2, LMH and L6 cell cultures. Toxicology in Vitro, 2015, 29, 337-344.	1.1	19
54	Antiglioma Potential of Coumarins Combined with Sorafenib. Molecules, 2020, 25, 5192.	1.7	19

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55	Dietary derived compounds in cancer chemoprevention. Wspolczesna Onkologia, 2012, 5, 394-400.	0.7	18
56	Anticancer effects of sodium and potassium quercetin-5â€²-sulfonates through inhibition of proliferation, induction of apoptosis, and cell cycle arrest in the HT-29 human adenocarcinoma cell line. Bioorganic Chemistry, 2020, 94, 103426.	2.0	17
57	Promising Potential of Crude Polysaccharides from Sparassis crispa against Colon Cancer: An In Vitro Study. Nutrients, 2021, 13, 161.	1.7	17
58	Effect of glutamate receptor antagonists and antirheumatic drugs on proliferation of synoviocytes in vitro. European Journal of Pharmacology, 2006, 535, 95-97.	1.7	16
59	Antiproliferative Activity of Melanoidins Isolated from Heated Potato Fiber (Potex) in Glioma Cell Culture Model. Journal of Agricultural and Food Chemistry, 2011, 59, 2708-2716.	2.4	16
60	Cultivation and utility of Piptoporus betulinus fruiting bodies as a source of anticancer agents. World Journal of Microbiology and Biotechnology, 2016, 32, 151.	1.7	16
61	Evaluation of anticancer activity of water and juice extracts of young Hordeum vulgare in human cancer cell lines HT-29 and A549. Annals of Agricultural and Environmental Medicine, 2017, 24, 345-349.	0.5	16
62	Branched mannans from the mushroom Cantharellus cibarius enhance the anticancer activity of natural killer cells against human cancers of lung and colon. Food and Function, 2019, 10, 5816-5826.	2.1	16
63	Cantharellus cibarius branched mannans inhibits colon cancer cells growth by interfering with signals transduction in NF-Ä¸B pathway. International Journal of Biological Macromolecules, 2019, 134, 770-780.	3.6	16
64	Pro-apoptotic action of protein-carbohydrate fraction isolated from coelomic fluid of the earthworm Dendrobaena veneta against human colon adenocarcinoma cells. Biomedicine and Pharmacotherapy, 2020, 126, 110035.	2.5	16
65	Prostate and breast cancer cells death induced by xanthohumol investigated with Fourier transform infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 231, 118112.	2.0	15
66	Coumarins modulate the anti-glioma properties of temozolomide. European Journal of Pharmacology, 2020, 881, 173207.	1.7	15
67	Parthenolide Inhibits Proliferation of Fibroblast-Like Synoviocytes In Vitro. Inflammation, 2008, 31, 281-285.	1.7	14
68	Boletus edulis ribonucleic acid â€“ a potent apoptosis inducer in human colon adenocarcinoma cells. Food and Function, 2016, 7, 3163-3175.	2.1	13
69	New insights into the molecular mechanism of Boletus edulis ribonucleic acid fraction (BE3) concerning antiproliferative activity on human colon cancer cells. Food and Function, 2017, 8, 1830-1839.	2.1	13
70	The protective effects of silybin on the cytotoxicity of thiram in human, rat and chicken cell cultures. Pesticide Biochemistry and Physiology, 2017, 143, 154-160.	1.6	13
71	Synthesis of 2-(2,4-dihydroxyphenyl)thieno-1,3-thiazin-4-ones, their lipophilicity and anticancer activity in vitro. Molecular Diversity, 2015, 19, 725-736.	2.1	12
72	The activity of a new 2-amino-1,3,4-thiadiazole derivative 4ClABT in cancer and normal cells. Folia Histochemica Et Cytobiologica, 2011, 49, 436-444.	0.6	12

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73	Synthesis, Structure and Antiproliferative Activity of New pyrazolo[4,3- e]triazolo[4,5-b][1,2,4]triazine Derivatives. Medicinal Chemistry, 2018, 14, 53-59.	0.7	11
74	Mushroom small RNAs as potential anticancer agents: a closer look atCantharellus cibariusproapoptotic and antiproliferative effects in colon cancer cells. Food and Function, 2019, 10, 2739-2751.	2.1	11
75	Investigation of Antiproliferative Effect of Ether and Ethanol Extracts of Birch Polypore Medicinal Mushroom, Piptoporus betulinus (Bull.:Fr.) P. Karst. (Higher Basidiomycetes) In Vitro Grown Mycelium. International Journal of Medicinal Mushrooms, 2011, 13, 525-533.	0.9	10
76	Evaluation of the Antiproliferative Activity of 2-(Monohalogenophenylamino)-5-(2,4-dihydroxyphenyl)-1,3,4-thiadiazoles. Arzneimittelforschung, 2008, 58, 353-357.	0.5	9
77	The Protective Effect of Silybin against Lasalocid Cytotoxic Exposure on Chicken and Rat Cell Lines. BioMed Research International, 2013, 2013, 1-8.	0.9	9
78	Impact of phytochemicals and plant extracts on viability and proliferation of NK cell line NK-92 â€“ a closer look at immunomodulatory properties of goji berries extract in human colon cancer cells. Annals of Agricultural and Environmental Medicine, 2021, 28, 291-299.	0.5	9
79	Cytoprotective effect of silybin against lasalocid-induced toxicity in HepG2 cells. Polish Journal of Veterinary Sciences, 2013, 16, 275-282.	0.2	8
80	New derivative of 2-(2,4-dihydroxyphenyl)thieno-1,3-thiazin-4-one (BChTT) elicits antiproliferative effect via p38-mediated cell cycle arrest in cancer cells. Bioorganic and Medicinal Chemistry, 2016, 24, 1356-1361.	1.4	7
81	Kynurenic Acid Induces Impairment of Oligodendrocyte Viability: On the Role of Glutamatergic Mechanisms. Neurochemical Research, 2017, 42, 838-845.	1.6	7
82	Quinaldic acid in synovial fluid of patients with rheumatoid arthritis and osteoarthritis and its effect on synoviocytes in vitro. Pharmacological Reports, 2018, 70, 277-283.	1.5	7
83	Antitumour effect of glucooligosaccharides obtained via hydrolysis of Î±-(1â€‰â†’â€‰3)-glucan from Fomitopsis betulina. Molecular Biology Reports, 2019, 46, 5977-5982.	1.0	7
84	Synthesis, characterization, and pharmacological evaluation of novel azolo- and azinothiazinones containing 2,4-dihydroxyphenyl substituent as anticancer agents. Monatshefte FÃ¼r Chemie, 2015, 146, 1315-1327.	0.9	6
85	Design, synthesis and antiproliferative activity against human cancer cell lines of novel benzo-, benzofuro-, azolo- and thieno-1,3-thiazinone resorcinol hybrids. Arabian Journal of Chemistry, 2019, 12, 2655-2667.	2.3	6
86	A King Bolete, Boletus edulis (Agaricomycetes), RNA Fraction Stimulates Proliferation and Cytotoxicity of Natural Killer Cells Against Myelogenous Leukemia Cells. International Journal of Medicinal Mushrooms, 2017, 19, 347-353.	0.9	6
87	AMPA Receptor Antagonist CFM-2 Decreases Survivin Expression in Cancer Cells. Anti-Cancer Agents in Medicinal Chemistry, 2018, 18, 591-596.	0.9	6
88	Ammonia at pathophysiologically relevant concentrations activates kynurenic acid synthesis in cultured astrocytes and neurons. NeuroToxicology, 2006, 27, 619-622.	1.4	5
89	Chemopreventive properties of young green barley extracts in in vitro model of colon cancer. Annals of Agricultural and Environmental Medicine, 2019, 26, 174-181.	0.5	5
90	Pantoea agglomerans chronic exposure induces epithelial-mesenchymal transition in human lung epithelial cells and mice lungs. Ecotoxicology and Environmental Safety, 2020, 194, 110416.	2.9	5

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91	Biological activity of new flavonoid from Hieracium pilosella L.. Open Life Sciences, 2011, 6, 397-404.	0.6	4
92	Expression of matricellular proteins in human uterine leiomyomas and normal myometrium. Histology and Histopathology, 2012, 27, 1495-502.	0.5	4
93	The effect of cisplatin on human larynx carcinoma cell motility.. Folia Histochemica Et Cytobiologica, 2009, 47, 75-9.	0.6	3
94	Enhancement of chemopreventive properties of young green barley and chlorella extracts used together against colon cancer cells. Annals of Agricultural and Environmental Medicine, 2020, 27, 591-598.	0.5	3
95	Immunomodulatory Properties of Polysaccharide-Rich Young Green Barley (Hordeum vulgare) Extract and Its Structural Characterization. Molecules, 2022, 27, 1742.	1.7	3
96	A simple HPLC method for determining 2-(3-chlorophenyloamino)-5-(2,4-dihydroxyphenyl)-1,3,4-thiadiazole in brain and plasma of animals: Application to a pharmacokinetic study. Acta Chromatographica, 2014, 26, 255-266.	0.7	2
97	Evaluation of the effect of 2-(2,4-dihydroxyphenyl)-4H-benzofuro[3,2-d][1,3]thiazin-4-one on colon cells and its anticancer potential. Medicinal Chemistry Research, 2018, 27, 2150-2159.	1.1	2
98	Lensoside AÎ² as an Adjuvant to the Anti-Glioma Potential of Sorafenib. Cancers, 2021, 13, 2637.	1.7	2
99	The application of a new type of sintered glass carriers for the cultivation of anchorage-dependent mammalian cells. Acta Biotechnologica, 1993, 13, 275-281.	1.0	1
100	Possibilities of using NK cells in cancer immunotherapy. Medycyna OgÃ³lna I Nauki O Zdrowiu, 2020, 26, 8-16.	0.1	1
101	Anticancer Effects of Glutamate Antagonists. , 2005, , 77-85.		0