

# Petr Mlejnek

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6344811/petr-mlejnek-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44  
papers

586  
citations

14  
h-index

22  
g-index

50  
ext. papers

673  
ext. citations

4.5  
avg, IF

3.99  
L-index

#	Paper	IF	Citations
44	Changes in expression of lysosomal membrane proteins in leucocytes of cancer patients treated with tyrosine kinase inhibitors. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2021</b> , 88, 89-98	3.5	1
43	Can image analysis provide evidence that lysosomal sequestration mediates daunorubicin resistance?. <i>Chemico-Biological Interactions</i> , <b>2020</b> , 327, 109138	5	2
42	Lysosomal Fusion: An Efficient Mechanism Increasing Their Sequestration Capacity for Weak Base Drugs without Apparent Lysosomal Biogenesis. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	7
41	Estimation of ABCB1 concentration in plasma membrane. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 18406-18414	4.7	1
40	N-acetylcysteine dual and antagonistic effect on cadmium cytotoxicity in human leukemia cells. <i>Environmental Toxicology and Pharmacology</i> , <b>2019</b> , 71, 103213	5.8	7
39	The Lysosomal Sequestration of Tyrosine Kinase Inhibitors and Drug Resistance. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	7
38	Mifepristone potentiates etoposide toxicity in Hep G2 cells by modulating drug transport. <i>Toxicology in Vitro</i> , <b>2019</b> , 54, 33-40	3.6	4
37	Reversal of ABCB1 mediated efflux by imatinib and nilotinib in cells expressing various transporter levels. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 273, 171-179	5	15
36	Apoptosis Induced by the Curcumin Analogue EF-24 Is Neither Mediated by Oxidative Stress-Related Mechanisms nor Affected by Expression of Main Drug Transporters ABCB1 and ABCG2 in Human Leukemia Cells. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	10
35	Clinically relevant interactions of anti-apoptotic Bcl-2 protein inhibitors with ABC transporters. <i>Die Pharmazie</i> , <b>2017</b> , 72, 751-758	1.5	5
34	Loss of mitochondrial transmembrane potential and glutathione depletion are not sufficient to account for induction of apoptosis by carbonyl cyanide 4-(trifluoromethoxy)phenylhydrazone in human leukemia K562 cells. <i>Chemico-Biological Interactions</i> , <b>2015</b> , 239, 100-10	5	12
33	Can the assessment of ABCB1 gene expression predict its function in vitro?. <i>European Journal of Haematology</i> , <b>2015</b> , 95, 150-9	3.8	11
32	Resistance to daunorubicin, imatinib, or nilotinib depends on expression levels of ABCB1 and ABCG2 in human leukemia cells. <i>Chemico-Biological Interactions</i> , <b>2014</b> , 219, 203-10	5	40
31	N-acetylcysteine prevents the geldanamycin cytotoxicity by forming geldanamycin-N-acetylcysteine adduct. <i>Chemico-Biological Interactions</i> , <b>2014</b> , 220, 248-54	5	6
30	Effects of synthetic A3 adenosine receptor agonists on cell proliferation and viability are receptor independent at micromolar concentrations. <i>Journal of Physiology and Biochemistry</i> , <b>2013</b> , 69, 405-17	5	8
29	Cytokinin-induced cell death is associated with elevated expression of alternative oxidase in tobacco BY-2 cells. <i>Protoplasma</i> , <b>2013</b> , 250, 1195-202	3.4	9
28	Can P-glycoprotein mediate resistance to nilotinib in human leukaemia cells?. <i>Pharmacological Research</i> , <b>2013</b> , 67, 79-83	10.2	21

27	P-glycoprotein mediates resistance to A3 adenosine receptor agonist 2-chloro-N6-(3-iodobenzyl)-adenosine-5'N-methyluronamide in human leukemia cells. <i>Journal of Cellular Physiology</i> , <b>2012</b> , 227, 676-85	7	16
26	A non-radioactive assay for precise determination of intracellular levels of imatinib and its main metabolite in Bcr-Abl positive cells. <i>Talanta</i> , <b>2011</b> , 83, 1466-71	6.2	18
25	Interactions of N-desmethyl imatinib, an active metabolite of imatinib, with P-glycoprotein in human leukemia cells. <i>Annals of Hematology</i> , <b>2011</b> , 90, 837-42	3	18
24	Assay for determination of daunorubicin in cancer cells with multidrug resistance phenotype. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2011</b> , 879, 1875-80	3.3	13
23	Induction of apoptosis by A3 adenosine receptor agonist N-(3-iodobenzyl)-adenosine-5'N-methylcarboxamide in human leukaemia cells: a possible involvement of intracellular mechanism. <i>Acta Physiologica</i> , <b>2010</b> , 199, 171-9	5.6	13
22	Partial glutathione reductase deficiency as a cause of diverse clinical manifestations in a family with unstable hemoglobin (Hemoglobin Han [β3(E7) His-Asn]). <i>Blood Cells, Molecules, and Diseases</i> , <b>2010</b> , 45, 219-22	2.1	7
21	Halogenation of N6-benzyladenosine decreases its cytotoxicity in human leukemia cells. <i>Toxicology in Vitro</i> , <b>2010</b> , 24, 2079-83	3.6	5
20	Cyclosporin A sensitises Bcr-Abl positive cells to imatinib mesylate independently of P-glycoprotein expression. <i>Toxicology in Vitro</i> , <b>2009</b> , 23, 1482-90	3.6	8
19	The broad-spectrum caspase inhibitor Boc-Asp-CMK induces cell death in human leukaemia cells. <i>Toxicology in Vitro</i> , <b>2008</b> , 22, 1356-60	3.6	4
18	Serine protease inhibitors N-alpha-tosyl-L-lysiny-chloromethylketone (TLCK) and N-tosyl-L-phenylalaniny-chloromethylketone (TPCK) are potent inhibitors of activated caspase proteases. <i>Journal of Cellular Biochemistry</i> , <b>2008</b> , 103, 1646-56	4.7	25
17	Serine protease inhibitors N-alpha-tosyl-L-lysiny-chloromethylketone (TLCK) and N-tosyl-L-phenylalaniny-chloromethylketone (TPCK) do not inhibit caspase-3 and caspase-7 processing in cells exposed to pro-apoptotic inducing stimuli. <i>Journal of Cellular Biochemistry</i> , <b>2008</b> , 105, 1501-6	4.7	5
16	Cyclosporin A potentiates the cytotoxic effects of methyl methanesulphonate in HL-60 and K562 cells. <i>ATLA Alternatives To Laboratory Animals</i> , <b>2007</b> , 35, 79-85	2.1	6
15	Antioxidant Status of Red Blood Cells Is a Modifying Factor of Clinical Manifestation of Unstable Hemoglobin Variant Hana [β3(E7) His-Asn].. <i>Blood</i> , <b>2006</b> , 108, 3789-3789	2.2	
14	Intracellular conversion of cytokinin bases into corresponding mononucleotides is related to cell death induction in tobacco BY-2 cells. <i>Plant Science</i> , <b>2005</b> , 168, 389-395	5.3	17
13	Apoptosis induced by N6-substituted derivatives of adenosine is related to intracellular accumulation of corresponding mononucleotides in HL-60 cells. <i>Toxicology in Vitro</i> , <b>2005</b> , 19, 985-90	3.6	37
12	Can application of serine protease inhibitors TPCK and TLCK provide evidence for possible involvement of serine protease Omi/HtrA2 in imatinib mesylate-induced cell death of BCR-ABL-positive human leukemia cells?. <i>Leukemia</i> , <b>2005</b> , 19, 1085-7	10.7	4
11	Intracellular phosphorylation of benzyladenosine is related to apoptosis induction in tobacco BY-2 cells. <i>Plant, Cell and Environment</i> , <b>2003</b> , 26, 1723-1735	8.4	41
10	Activation of caspase-like proteases and induction of apoptosis by isopentenyladenosine in tobacco BY-2 cells. <i>Planta</i> , <b>2002</b> , 215, 158-66	4.7	85

9	Caspase inhibition and N6-benzyladenosine-induced apoptosis in HL-60 cells. <i>Journal of Cellular Biochemistry</i> , <b>2001</b> , 83, 678-89	4.7	26
8	Caspase-3 activity and carbonyl cyanide m-chlorophenylhydrazone-induced apoptosis in HL-60. <i>ATLA Alternatives To Laboratory Animals</i> , <b>2001</b> , 29, 243-9	2.1	11
7	Induction of apoptosis in HL-60 cells by N6-benzyladenosine <b>2000</b> , 77, 6-17		26
6	Induction of apoptosis in HL-60 cells by N(6)-benzyladenosine. <i>Journal of Cellular Biochemistry</i> , <b>2000</b> , 77, 6-17	4.7	2
5	Effects of three epoxides--ethylene oxide, propylene oxide and epichlorohydrin--on cell cycle progression and cell death in human diploid fibroblasts. <i>Chemico-Biological Interactions</i> , <b>1999</b> , 117, 219-39	5	23
4	Adenine-induced arrest of mammalian cells in early S-phase is related to the prevention of DNA synthesis inhibition caused by gamma-irradiation. <i>International Journal of Radiation Biology</i> , <b>1997</b> , 71, 505-13	2.9	2
3	Protective effect of adenine on DNA synthesis in irradiated Ehrlich ascites tumor cells. <i>Radiation Research</i> , <b>1997</b> , 147, 477-83	3.1	
2	Complex repair kinetics of DNA strand breaks induced by gamma-rays of UV radiation in Ehrlich ascites tumour cells. <i>Radiation and Environmental Biophysics</i> , <b>1996</b> , 35, 171-7	2	3
1	Drug resistance of cancer cells is crucially affected by expression levels of ABC-transporters. <i>BioDiscovery</i> , 20, e11211		3