Przemyslaw Sitarek

List of Publications by Citations

54 papers	690 citations	15 h-index	23 g-index
63 ext. papers	960 ext. citations	4.6 avg, IF	4.19 L-index

#	Paper	IF	Citations
54	Antibacterial, Anti-Inflammatory, Antioxidant, and Antiproliferative Properties of Essential Oils from Hairy and Normal Roots of L. and Their Chemical Composition. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 7384061	6.7	45
53	The Role of Mitochondria and Oxidative/Antioxidative Imbalance in Pathobiology of Chronic Obstructive Pulmonary Disease. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 7808576	6.7	44
52	A preliminary study of apoptosis induction in glioma cells via alteration of the Bax/Bcl-2-p53 axis by transformed and non-transformed root extracts of Leonurus sibiricus L. *Tumor Biology*, **2016**, 37, 8753-64	2.9	31
51	Shoot organogenesis, molecular analysis and secondary metabolite production of micropropagated Rehmannia glutinosa Libosch.. *Plant Cell, Tissue and Organ Culture*, **2015**, 120, 539-549	2.7	29
50	Melittin-A Natural Peptide from Bee Venom Which Induces Apoptosis in Human Leukaemia Cells. *Biomolecules*, **2020**, 10,	5.9	26
49	The Effect of Leonurus sibiricus Plant Extracts on Stimulating Repair and Protective Activity against Oxidative DNA Damage in CHO Cells and Content of Phenolic Compounds. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 5738193	6.7	25
48	Transformed Root Extract of Leonurus sibiricus Induces Apoptosis through Intrinsic and Extrinsic Pathways in Various Grades of Human Glioma Cells. *Pathology and Oncology Research*, **2017**, 23, 679-687	2.6	23
47	A Summary of In Vitro and In Vivo Studies Evaluating the Impact of E-Cigarette Exposure on Living Organisms and the Environment. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	23
46	Inhibition of human glioma cell proliferation by altered Bax/Bcl-2-p53 expression and apoptosis induction by Rhaponticum carthamoides extracts from transformed and normal roots. *Journal of Pharmacy and Pharmacology*, **2016**, 68, 1454-1464	4.8	23
45	Induction of apoptosis by in vitro and in vivo plant extracts derived from Menyanthes trifoliata L. in human cancer cells. *Cytotechnology*, **2019**, 71, 165-180	2.2	23
44	Rhaponticum carthamoides regeneration through direct and indirect organogenesis, molecular profiles and secondary metabolite production. *Plant Cell, Tissue and Organ Culture*, **2015**, 123, 83-98	2.7	19
43	Evaluation of the Cytotoxicity and Genotoxicity of Flavonolignans in Different Cellular Models. *Nutrients*, **2017**, 9,	6.7	18
42	Over-Expression of AtPAP1 Transcriptional Factor Enhances Phenolic Acid Production in Transgenic Roots of Leonurus sibiricus L. and Their Biological Activities. *Molecular Biotechnology*, **2018**, 60, 74-82	3	18
41	Influence of thidiazuron (TDZ) pretreatment of shoot tips on shoot multiplication and ex vitro acclimatization of Harpagophytum procumbens. *Acta Physiologiae Plantarum*, **2014**, 36, 1661-1672	2.6	16
40	Plant Extracts and Reactive Oxygen Species as Two Counteracting Agents with Anti- and Pro-Obesity Properties. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	15
39	Decreased expression level of BER genes in Alzheimer's disease patients is not derivative of their DNA methylation status. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2017**, 79, 311-316	5.5	15
38	Growth of Leonurus sibiricus L. roots with over-expression of AtPAP1 transcriptional factor in closed bioreactor, production of bioactive phenolic compounds and evaluation of their biological activity. *Industrial Crops and Products*, **2018**, 122, 732-739	5.9	14

37	Association of the -33C/G OSF-2 and the 140A/G LF gene polymorphisms with the risk of chronic rhinosinusitis with nasal polyps in a Polish population. *Molecular Biology Reports*, **2012**, 39, 5449-57	2.8	13
36	Polymorphism of the ERalpha and CYP1B1 genes in endometrial cancer in a Polish subpopulation. *Journal of Obstetrics and Gynaecology Research*, **2010**, 36, 311-7	1.9	13
35	Association of the -14C/G MET and the -765G/C COX-2 gene polymorphisms with the risk of chronic rhinosinusitis with nasal polyps in a Polish population. *DNA and Cell Biology*, **2012**, 31, 1258-66	3.6	13
34	Anti-Inflammatory Activity of Extracts and Pure Compounds Derived from Plants via Modulation of Signaling Pathways, Especially PI3K/AKT in Macrophages. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	13
33	The Essential Oils of Hairy Roots and Roots of Soil-Grown Plants: Chemical Composition and Antimicrobial, Anti-Inflammatory, and Antioxidant Activities. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 8505384	6.7	13
32	Transgenesis as a Tool for the Efficient Production of Selected Secondary Metabolites from in Vitro Plant Cultures. *Plants*, **2020**, 9,	4.5	11
31	An In Vitro Estimation of the Cytotoxicity and Genotoxicity of Root Extract from L. Overexpressing AtPAP1 against Different Cancer Cell Lines. *Molecules*, **2018**, 23,	4.8	11
30	Expression of POSTN, IL-4, and IL-13 in Chronic Rhinosinusitis with Nasal Polyps. *DNA and Cell Biology*, **2015**, 34, 342-9	3.6	11
29	Antioxidant Properties of Plant-Derived Phenolic Compounds and Their Effect on Skin Fibroblast Cells. *Antioxidants*, **2021**, 10,	7.1	11
28	Antioxidant and DNA Repair Stimulating Effect of Extracts from Transformed and Normal Roots of Rhaponticum carthamoides against Induced Oxidative Stress and DNA Damage in CHO Cells. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 5753139	6.7	11
27	Induction of apoptosis in human glioma cell lines of various grades through the ROS-mediated mitochondrial pathway and caspase activation by Rhaponticum carthamoides transformed root extract. *Molecular and Cellular Biochemistry*, **2018**, 445, 89-97	4.2	11
26	An efficient plant regeneration from Rhaponticum carthamoides transformed roots, enhanced caffeoylquinic acid derivatives production in pRi-transformed plants and their biological activity. *Industrial Crops and Products*, **2019**, 129, 327-338	5.9	10
25	Caffeoylquinic Acids with Potential Biological Activity from Plant In vitro Cultures as Alternative Sources of Valuable Natural Products. *Current Pharmaceutical Design*, **2020**, 26, 2817-2842	3.3	9
24	The Extract of Leonurus sibiricus Transgenic Roots with AtPAP1 Transcriptional Factor Induces Apoptosis via DNA Damage and Down Regulation of Selected Epigenetic Factors in Human Cancer Cells. *Neurochemical Research*, **2018**, 43, 1363-1370	4.6	9
23	Inhibition of NADPH Oxidase-Derived Reactive Oxygen Species Decreases Expression of Inflammatory Cytokines in A549 Cells. *Inflammation*, **2019**, 42, 2205-2214	5.1	8
22	Plant Extracts as a Natural Source of Bioactive Compounds and Potential Remedy for the Treatment of Certain Skin Diseases. *Current Pharmaceutical Design*, **2020**, 26, 2859-2875	3.3	8
21	Potential Synergistic Action of Bioactive Compounds from Plant Extracts against Skin Infecting Microorganisms. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
20	Transformed Root Extract Has Potent Anticancer Activity in Human Leukemia and Lung Adenocarcinoma Cell Lines. *Oxidative Medicine and Cellular Longevity*, **2018**, 2018, 8198652	6.7	8

19	Insight the Biological Activities of Selected Abietane Diterpenes Isolated from spp. *Biomolecules*, **2020**, 10,	5.9	7
18	Monocyte to large platelet ratio as a diagnostic tool for pulmonary embolism in patients with acute exacerbation of chronic obstructive pulmonary disease. *Polish Archives of Internal Medicine*, **2018**, 128, 15-23	1.9	7
17	Production of recombinant colicin M in Nicotiana tabacum plants and its antimicrobial activity. *Plant Biotechnology Reports*, **2020**, 14, 33-43	2.5	7
16	An In Vitro Evaluation of the Molecular Mechanisms of Action of Medical Plants from the Lamiaceae Family as Effective Sources of Active Compounds against Human Cancer Cell Lines. *Cancers*, **2020**, 12,	6.6	7
15	In Vitro Assessment of Antimicrobial, Antioxidant, and Cytotoxic Properties of Saccharin-Tetrazolyl and -Thiadiazolyl Derivatives: The Simple Dependence of the pH Value on Antimicrobial Activity. *Pharmaceuticals*, **2019**, 12,	5.2	7
14	An Extract of Transgenic Senna obtusifolia L. Hairy Roots with Overexpression of PgSS1 Gene in Combination with Chemotherapeutic Agent Induces Apoptosis in the Leukemia Cell Line. *Biomolecules*, **2020**, 10,	5.9	6
13	Morphometric analysis of mitochondria in lymphocytes of patients with exacerbations of chronic obstructive pulmonary disease - pilot study. *International Journal of COPD*, **2018**, 13, 2313-2318	3	5
12	Rhaponticum carthamoides transformed root extract inhibits human glioma cells viability, induces double strand DNA damage, H2A.X phosphorylation, and PARP1 cleavage. *Cytotechnology*, **2018**, 70, 1585-1594	2.2	5
11	Diterpenoids from spp. as Potential Chemotherapeutic Agents via Apoptosis. *Pharmaceuticals*, **2020**, 13,	5.2	4
10	Genetic Manipulation and Bioreactor Culture of Plants as a Tool for Industry and Its Applications.. *Molecules*, **2022**, 27,	4.8	4
9	Enhanced Accumulation of Betulinic Acid in Transgenic Hairy Roots of Senna obtusifolia Growing in the Sprinkle Bioreactor and Evaluation of Their Biological Properties in Various Biological Models. *Chemistry and Biodiversity*, **2021**, 18, e2100455	2.5	4
8	An Evaluation of the DNA-Protective Effects of Extracts from L. Plants Derived from Culture Associated with Redox Balance and Other Biological Activities. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 9165784	6.7	4
7	Leonurus sibiricus root extracts decrease airway remodeling markers expression in fibroblasts. *Clinical and Experimental Immunology*, **2020**, 202, 28-46	6.2	3
6	Analysis of Short-Term Smoking Effects in PBMC of Healthy Subjects-Preliminary Study. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	3
5	The Anti-inflammatory Potential of Selected Plant-derived Compounds in Respiratory Diseases. *Current Pharmaceutical Design*, **2020**, 26, 2876-2884	3.3	3
4	Curcumin modulates airway remodelling-contributing genes-the significance of transcription factors.. *Journal of Cellular and Molecular Medicine*, **2021**,	5.6	2
3	Orchidaceae-Derived Anticancer Agents: A Review.. *Cancers*, **2022**, 14,	6.6	1
2	Methyl Jasmonate Effect on Betulinic Acid Content and Biological Properties of Extract from Transgenic Hairy Roots. *Molecules*, **2021**, 26,	4.8	1

List of Publications

1 The antioxidant profile of two species belonging to the genus Leonurus. Potential applications in toxicity **2021**, 355-362