Ireneusz Majsterek

List of Publications by Year
in descending order

111	2,101	257101	301761
papers	citations	24 h-index	39 g-index

116	116	116	3415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of oxidative stress markers in pathogenesis of diabetic neuropathy. Molecular Biology Reports, 2012, 39, 8669-8678.	1.0	102
2	Dual role of Endoplasmic Reticulum Stress-Mediated Unfolded Protein Response Signaling Pathway in Carcinogenesis. International Journal of Molecular Sciences, 2019, 20, 4354.	1.8	96
3	The Emerging Concern and Interest SARS-CoV-2 Variants. Pathogens, 2021, 10, 633.	1.2	86
4	Oxidative modification of patient's plasma proteins and its role in pathogenesis of multiple sclerosis. Clinical Biochemistry, 2012, 45, 26-30.	0.8	75
5	Evaluation of oxidative stress markers in pathogenesis of primary open-angle glaucoma. Experimental and Molecular Pathology, 2011, 90, 231-237.	0.9	68
6	Melatonin reduces oxidative stress in the erythrocytes of multiple sclerosis patients with secondary progressive clinical course. Journal of Neuroimmunology, 2013, 257, 97-101.	1.1	65
7	MicroRNAs in glaucoma and neurodegenerative diseases. Journal of Human Genetics, 2017, 62, 105-112.	1.1	64
8	Unfolded Protein Response and PERK Kinase as a New Therapeutic Target in the Pathogenesis of Alzheimerâ€™s Disease. Current Medicinal Chemistry, 2015, 22, 3169-3184.	1.2	61
9	Lutein and Zeaxanthin and Their Roles in Age-Related Macular Degenerationâ€”Neurodegenerative Disease. Nutrients, 2022, 14, 827.	1.7	60
10	The Structure, Activation and Signaling of IRE1 and Its Role in Determining Cell Fate. Biomedicines, 2021, 9, 156.	1.4	58
11	Effect of short-term cryostimulation on antioxidative status and its clinical applications in humans. European Journal of Applied Physiology, 2012, 112, 1645-1652.	1.2	57
12	A comparison of the action of amifostine and melatonin on DNA-damaging effects and apoptosis induced by idarubicin in normal and cancer cells. Journal of Pineal Research, 2005, 38, 254-263.	3.4	53
13	The Role of the ER-Induced UPR Pathway and the Efficacy of Its Inhibitors and Inducers in the Inhibition of Tumor Progression. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-15.	1.9	50
14	Genetic polymorphisms in DNA base excision repair gene XRCC1 and the risk of squamous cell carcinoma of the head and neck. Journal of Experimental and Clinical Cancer Research, 2009, 28, 37.	3.5	45
15	The PERK-Dependent Molecular Mechanisms as a Novel Therapeutic Target for Neurodegenerative Diseases. International Journal of Molecular Sciences, 2020, 21, 2108.	1.8	45
16	Altered Expression Levels of MMP1, MMP9, MMP12, TIMP1, and IL-1<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mo mathvariant="bold">Î²</mml:mo></mml:mrow></mml:math>as a Risk Factor for the Elevated IOP and Optic Nerve Head Damage in the Primary Open-Angle Glaucoma Patients. BioMed Research International, 2015, 2015, 1-8.	0.9	42
17	PERK Is a Haploinsufficient Tumor Suppressor: Gene Dose Determines Tumor-Suppressive Versus Tumor Promoting Properties of PERK in Melanoma. PLoS Genetics, 2016, 12, e1006518.	1.5	41
18	An association selected polymorphisms of XRCC1, OGG1 and MUTYH gene and the level of efficiency oxidative DNA damage repair with a risk of colorectal cancer. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2013, 745-746, 6-15.	0.4	40

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19	DOES THE BCR/ABL-MEDIATED INCREASE IN THE EFFICACY OF DNA REPAIR PLAY A ROLE IN THE DRUG RESISTANCE OF CANCER CELLS?. Cell Biology International, 2002, 26, 363-370.	1.4	31
20	Association of Polymorphic Variants of miRNA Processing Genes with Larynx Cancer Risk in a Polish Population. BioMed Research International, 2015, 2015, 1-17.	0.9	28
21	Association of the Arg194Trp and the Arg399Gln Polymorphisms of the XRCC1 Gene With Risk Occurrence and the Response to Adjuvant Therapy Among Polish Women With Breast Cancer. Clinical Breast Cancer, 2013, 13, 61-68.	1.1	27
22	MicroRNA as a Novel Biomarker in the Diagnosis of Head and Neck Cancer. Biomolecules, 2021, 11, 844.	1.8	26
23	MUTYH Tyr165Cys, OGG1 Ser326Cys and XPD Lys751Gln polymorphisms and head neck cancer susceptibility: a case control study. Molecular Biology Reports, 2011, 38, 1251-1261.	1.0	25
24	Imatinib Mesylate (STI571) Abrogates the Resistance to Doxorubicin in K562 Chronic Myeloid Leukemia Cells by Inhibition of BCR/ABL Kinase-Mediated DNA Repair.. Blood, 2005, 106, 1525-1525.	0.6	25
25	Analysis of oxidative DNA damage and its repair in Polish patients with diabetes mellitus type 2: Role in pathogenesis of diabetic neuropathy. Advances in Medical Sciences, 2015, 60, 220-230.	0.9	24
26	Reactive oxygen species promote localized DNA damage in glaucoma-iris tissues of elderly patients vulnerable to diabetic injury. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 697, 19-23.	0.9	22
27	Tetrahydroacridine derivatives with dichloronicotinic acid moiety as attractive, multipotent agents for Alzheimer's disease treatment. European Journal of Medicinal Chemistry, 2018, 145, 760-769.	2.6	21
28	Analysis of the Expression and Polymorphism ofAPOE, HSP, BDNF,andGRIN2BGenes Associated with the Neurodegeneration Process in the Pathogenesis of Primary Open Angle Glaucoma. BioMed Research International, 2015, 2015, 1-14.	0.9	20
29	Significance of CYCLOOXYGENASE-2(COX-2), PERIOSTIN (POSTN) and INTERLEUKIN-4(IL-4) gene expression in the pathogenesis of chronic rhinosinusitis with nasal polyps. European Archives of Oto-Rhino-Laryngology, 2015, 272, 3715-3720.	0.8	20
30	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.	2.5	20
31	New tacrineâ€“acridine hybrids as promising multifunctional drugs for potential treatment of Alzheimer's disease. Archiv Der Pharmazie, 2018, 351, e1800050.	2.1	19
32	Imatinib mesylate (STI571) abrogates the resistance to doxorubicin in human K562 chronic myeloid leukemia cells by inhibition of BCR/ABL kinase-mediated DNA repair. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 603, 74-82.	0.9	18
33	Association of the â˜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, 5449-5457.	1.0	18
34	Genetic polymorphisms (Pro197Leu of Gpx1, +35A/C of SOD1, â˜262C/T of CAT), the level of antioxidant proteins (GPx1, SOD1, CAT) and the risk of distal symmetric polyneuropathy in Polish patients with type 2 diabetes mellitus. Advances in Medical Sciences, 2016, 61, 123-129.	0.9	18
35	Comparison of the effect of three different topoisomerase II inhibitors combined with cisplatin in human glioblastoma cells sensitized with double strand break repair inhibitors. Molecular Biology Reports, 2019, 46, 3625-3636.	1.0	18
36	Tetrahydroacridine derivatives with fluorobenzoic acid moiety as multifunctional agents for Alzheimerâ€™s disease treatment. Bioorganic Chemistry, 2017, 72, 315-322.	2.0	17

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37	New cyclopentaquinoline hybrids with multifunctional capacities for the treatment of Alzheimerâ€™s disease. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 158-170.	2.5	17
38	Association of the 399Arg/Gln XRCC1, the 194 Arg/Trp XRCC1, the 326Ser/Cys OGG1, and the 324Gln/His MUTYH gene polymorphisms with clinical parameters and the risk for development of primary open-angle glaucoma. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 753, 12-22.	0.9	16
39	Analysis of antioxidative factors related to <scp>AMD</scp> risk development in the polish patients. Acta Ophthalmologica, 2017, 95, 530-536.	0.6	16
40	The Genetic and Endoplasmic Reticulum-Mediated Molecular Mechanisms of Primary Open-Angle Glaucoma. International Journal of Molecular Sciences, 2020, 21, 4171.	1.8	16
41	Association of MMP1-1607 1G/2G and TIMP1 372 T/C gene polymorphisms with risk of primary open angle glaucoma in a Polish population. Medical Science Monitor, 2011, 17, CR417-CR421.	0.5	16
42	Inhibition of the PERK-Dependent Unfolded Protein Response Signaling Pathway Involved in the Pathogenesis of Alzheimerâ€™s Disease. Current Alzheimer Research, 2019, 16, 209-218.	0.7	16
43	Tumour protein 53 is linked with type 2 diabetes mellitus. Indian Journal of Medical Research, 2017, 146, 237.	0.4	16
44	Interplay between Redox Signaling, Oxidative Stress, and Unfolded Protein Response (UPR) in Pathogenesis of Human Diseases. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-2.	1.9	15
45	Carbon nanotubes functionalized with folic acid attached via biomimetic peptide linker. Nanomedicine, 2017, 12, 2161-2182.	1.7	15
46	The role of base excision repair in pathogenesis of breast cancer in the Polish population. Molecular Carcinogenesis, 2016, 55, 1899-1914.	1.3	14
47	Physico-Chemical Properties and Biocompatibility of Thermosensitive Chitosan Lactate and Chitosan Chloride Hydrogels Developed for Tissue Engineering Application. Journal of Functional Biomaterials, 2021, 12, 37.	1.8	14
48	Toxicity of microcystin from cyanobacteria growing in a source of drinking water. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2004, 139, 175-179.	1.3	13
49	Association of Thr241Met polymorphism of XRCC3 gene with risk of colorectal cancer in the Polish population. Polish Journal of Pathology, 2013, 3, 185-189.	0.1	13
50	The role of polymorphisms of genes CXCL12/CXCR4 and MIF in the risk development IBD the Polish population. Molecular Biology Reports, 2014, 41, 4639-4652.	1.0	13
51	Contribution of the -173 G/C Polymorphism of Macrophage Migration Inhibitory Factor Gene to the Risk of Inflammatory Bowel Diseases. Polski Przeglad Chirurgiczny, 2011, 83, 76-80.	0.2	12
52	BDNF and HSP gene polymorphisms and their influence on the progression of primary open-angle glaucoma in aÂPolish population. Archives of Medical Science, 2014, 6, 1206-1213.	0.4	12
53	The role of base excision repair in the development of primary open angle glaucoma in the Polish population. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 778, 26-40.	0.4	12
54	Altered Expression of miRNAs Is Related to Larynx Cancer TNM Stage and Patients' Smoking Status. DNA and Cell Biology, 2017, 36, 581-588.	0.9	12

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55	Novel tetrahydroacridine and cyclopentaquinoline derivatives with fluorobenzoic acid moiety induce cell cycle arrest and apoptosis in lung cancer cells by activation of DNA damage signaling. Tumor Biology, 2017, 39, 101042831769501.	0.8	12
56	Polymorphism of MSH2 Gly322Asp and MLH1 â€“93G>A in non-familial colon cancer â€“ a case-controlled study. Archives of Medical Science, 2017, 6, 1295-1302.	0.4	12
57	Discovery of New Cyclopentaquinoline Analogues as Multifunctional Agents for the Treatment of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2019, 20, 498.	1.8	12
58	miRNA-Dependent CD4+ T Cell Differentiation in the Pathogenesis of Multiple Sclerosis. Multiple Sclerosis International, 2021, 2021, 1-11.	0.4	12
59	Potential of redox therapies in neurodegenerative disorders. Frontiers in Bioscience - Elite, 2017, 9, 214-234.	0.9	11
60	Role of impaired DNA repair in genotoxic susceptibility of patients with head and neck cancer. Cell Biology and Toxicology, 2009, 25, 489-497.	2.4	10
61	Hyperglycemia Changes Expression of Key Adipogenesis Markers (C/EBPÎ± and PPARáµž)and Morphology of Differentiating Human Visceral Adipocytes. Nutrients, 2019, 11, 1835.	1.7	10
62	The Cytotoxicity and Genotoxicity of Three Dental Universal Adhesivesâ€”An In Vitro Study. International Journal of Molecular Sciences, 2020, 21, 3950.	1.8	10
63	Association of miRNA and mRNA Levels of the Clinical Onset of Multiple Sclerosis Patients. Biology, 2021, 10, 554.	1.3	10
64	Breaking the DNA Damage Response via Serine/Threonine Kinase Inhibitors to Improve Cancer Treatment. Current Medicinal Chemistry, 2019, 26, 1425-1445.	1.2	10
65	Comparative study of DNA damage and repair in head and neck cancer after radiation treatment. Cell Biology International, 2009, 33, 357-363.	1.4	9
66	Association between SOD1, CAT, GSHPX1 polymorphisms and the risk of inflammatory bowel disease in the Polish population. Oncotarget, 2017, 8, 109332-109339.	0.8	9
67	Inhibition of PERK-dependent pro-adaptive signaling pathway as a promising approach for cancer treatment. Polski Przeglad Chirurgiczny, 2017, 89, 7-10.	0.2	9
68	An association of the MCP-1 and CCR2 single nucleotide polymorphisms with colorectal cancer prevalence. Polski Przeglad Chirurgiczny, 2017, 89, 1-5.	0.2	9
69	An association of selected ERCC2 and ERCC5 genes polymorphisms, the level of oxidative DNA damage and its repair efficiency with a risk of colorectal cancer in Polish population. Cancer Biomarkers, 2015, 15, 413-423.	0.8	8
70	Impact of the Ser326Cys polymorphism of the OGG1 gene on the level of oxidative DNA damage in patients with colorectal cancer. Polski Przeglad Chirurgiczny, 2018, 90, 13-15.	0.2	8
71	Imatinib (STI571) Inhibits DNA Repair in Human Leukemia Oncogenic Tyrosine Kinase-Expressing Cells. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 896-902.	0.6	7
72	The role of Cat -262C/T, GPX1 Pro198Leu and Sod1+35A/C gene polymorphisms in a development of primary open-angle glaucoma in a Polish population. Polish Journal of Pathology, 2016, 4, 404-410.	0.1	7

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73	Relation between sonic hedgehog pathway gene polymorphisms and basal cell carcinoma development in the Polish population. Archives of Dermatological Research, 2016, 308, 39-47.	1.1	7
74	Modulation of Colorectal Cancer Risk by Polymorphisms in 51Gln/His, 64Ile/Val, and 148Asp/Glu of APEX Gene; 23Gly/Ala of XPA Gene; and 689Ser/Arg of ERCC4 Gene. Gastroenterology Research and Practice, 2017, 2017, 1-7.	0.7	7
75	Nucleotide Excision Repair Capacity and XPC and XPD Gene Polymorphism Modulate Colorectal Cancer Risk. Clinical Colorectal Cancer, 2018, 17, e435-e441.	1.0	7
76	Ethylene glycol dimethacrylate and diethylene glycol dimethacrylate exhibits cytotoxic and genotoxic effect on human gingival fibroblasts via induction of reactive oxygen species. Toxicology in Vitro, 2018, 47, 8-17.	1.1	7
77	The Potential Role of Small-Molecule PERK Inhibitor LDN-0060609 in Primary Open-Angle Glaucoma Treatment. International Journal of Molecular Sciences, 2021, 22, 4494.	1.8	7
78	Use of Small-molecule Inhibitory Compound of PERK-dependent Signaling Pathway as a Promising Target-based Therapy for Colorectal Cancer. Current Cancer Drug Targets, 2020, 20, 223-238.	0.8	7
79	Synthesis and Hemostatic Activity of New Amide Derivatives. Molecules, 2022, 27, 2271.	1.7	7
80	IRE1Î± Inhibitors as a Promising Therapeutic Strategy in Blood Malignancies. Cancers, 2022, 14, 2526.	1.7	7
81	Association of IL1Î² and IL4 gene polymorphisms with nasal polyps in a Polish population. Molecular Biology Reports, 2014, 41, 4653-4658.	1.0	6
82	Evaluation of polymorphisms in microRNA biosynthesis genes and risk of laryngeal cancer in the Polish population. Polish Journal of Pathology, 2016, 3, 283-290.	0.1	6
83	The relationship between HDAC6, CXCR3, and SIRT1 genes expression levels with progression of primary open-angle glaucoma. Ophthalmic Genetics, 2018, 39, 325-331.	0.5	6
84	The 116GÂ>ÂA MSH6 and IVS1-1121CÂ>ÂT PMS2 Genes Polymorphisms Modulate the Risk of the Sporadic Colorectal Cancer Development in Polish Population. Pathology and Oncology Research, 2018, 24, 231-235.	0.9	6
85	New Tetrahydroacridine Hybrids with Dichlorobenzoic Acid Moiety Demonstrating Multifunctional Potential for the Treatment of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 3765.	1.8	6
86	Association of the-801G/A Polymorphism of CXCL12 Gene with the Risk of Inflammatory Bowel Diseases Development in a Polish Population. Polski Przeglad Chirurgiczny, 2011, 83, 334-8.	0.2	5
87	The relationship of TP53 and GRIN2B gene polymorphisms with risk of occurrence and progression of primary open-angle glaucoma in a Polish population. Polish Journal of Pathology, 2014, 4, 313-321.	0.1	5
88	The â€“553 T/A polymorphism in the promoter region of the FGF2 gene is associated with increased breast cancer risk in Polish women. Archives of Medical Science, 2015, 3, 619-627.	0.4	5
89	The Toxicity of Universal Dental Adhesives: An In Vitro Study. Polymers, 2021, 13, 2653.	2.0	5
90	The role of the 148 Asp/Glu polymorphism of the APE1 gene in the development and progression of primary open angle glaucoma development in the Polish population. Polish Journal of Pathology, 2013, 4, 296-302.	0.1	4

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91	Neurodegenerative Genes Polymorphisms of the -491A/TAPOE, the -877T/CAPPand the Risk of Primary Open-angle Glaucoma in the Polish Population. Ophthalmic Genetics, 2015, 36, 105-112.	0.5	4
92	Association of the expression level of the neurodegenerationâ€related proteins with the risk of development and progression of primary openâ€angle glaucoma. Acta Ophthalmologica, 2018, 96, e97-e98.	0.6	4
93	Influence of Arg399Gln, Arg280His and Arg194Trp XRCC1 gene polymorphisms of Base Excision Repair pathway on the level of 8-oxo-guanine and risk of head and neck cancer in the Polish population. Cancer Biomarkers, 2021, 32, 317-326.	0.8	4
94	Polymorphism of Gly39Glu (c.116G>A) hMSH6 is associated with sporadic colorectal cancer development in the Polish population: Preliminary results. Advances in Clinical and Experimental Medicine, 2017, 26, 1425-1429.	0.6	4
95	Assessment of DNA damage profile and oxidative/antioxidative biomarkers level in patients with inflammatory bowel disease. Polski Przeglad Chirurgiczny, 2020, 92, 1-5.	0.2	4
96	Inhibition of PERK-dependent pro-adaptive signaling pathway as a promising approach for cancer treatment. Polski Przeglad Chirurgiczny, 2017, 89, 7-10.	0.2	4
97	TC2 C776G polymorphism studies in patients with oral cancer in the Polish population. Polish Journal of Pathology, 2016, 3, 277-282.	0.1	3
98	Analysis of the polymorphic variants of RAN and GEMIN3 genes and risk of Primary Open-Angle Glaucoma in the Polish population. Ophthalmic Genetics, 2018, 39, 180-188.	0.5	3
99	DNA double-strand breaks repair inhibitors potentiates the combined effect of VP-16 and CDDP in human colorectal adenocarcinoma (LoVo) cells. Molecular Biology Reports, 2021, 48, 709-720.	1.0	3
100	Immunometabolic disorders in the pathogenesis of systemic lupus erythematosus. Postepy Dermatologii I Alergologii, 2019, 36, 513-518.	0.4	2
101	VDR polymorphisms effect on bone mineral density in Polish postmenopausal women. HOMO- Journal of Comparative Human Biology, 2021, 72, 239-260.	0.3	2
102	Polymorphism within the distal RAD51 gene promoter is associated with colorectal cancer in a Polish population. International Journal of Clinical and Experimental Pathology, 2015, 8, 11601-7.	0.5	2
103	Sirt3 Regulates Response to Oxidative Stress by Interacting with BER Proteins in Colorectal Cancer. Genetical Research, 2022, 2022, 1-10.	0.3	2
104	Screening of Self-Assembling of Collagen IV Fragments into Stable Structures Potentially Useful in Regenerative Medicine. International Journal of Molecular Sciences, 2021, 22, 13584.	1.8	2
105	Polymorphism association of NIL1, NIL2, CYP1A1 xenobiotic metabolism genes and their expression with the risk of colorectal cancer in the Polish population.. Polski Przeglad Chirurgiczny, 2022, 94, 54-59.	0.2	2
106	Inhibitor of pro-apoptotic PERK-dependent signalling pathway as a novel treatment strategy in Alzheimerâ€™s disease treatment. Pharmacotherapy in Psychiatry and Neurology, 2019, 35, 25-36.	0.1	1
107	Association of GEMIN4 gene polymorphisms with the risk of colorectal cancer in the Polish population. Polski Przeglad Chirurgiczny, 2021, 93, 40-45.	0.2	1
108	The Role of ER Stress-Related Phenomena in the Biology of Malignant Peripheral Nerve Sheath Tumors. International Journal of Molecular Sciences, 2021, 22, 9405.	1.8	0

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109	More Than Skin Deep â€“ the Effects of Ultraviolet Radiation on Cathepsin K and Progerin Expression in Cultured Dermal Fibroblasts. Clinical, Cosmetic and Investigational Dermatology, 2021, Volume 14, 1561-1568.	0.8	0
110	Role of ADAMTS16 metalloproteinase in pathogenesis of cryptorchidism. Archives of Medical Science, 2020, , .	0.4	0
111	Small-molecule inhibitors of the PERK-mediated Unfolded Protein Response signaling pathway in targeted therapy for colorectal cancer. Polski Przeglad Chirurgiczny, 2022, 94, 1-5.	0.2	0