

Jarosław Czyż^{1/4}

List of Publications by Year in descending order

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80
papers

3,499
citations

172457

29
h-index

138484

58
g-index

80
all docs

80
docs citations

80
times ranked

4346
citing authors

#	ARTICLE	IF	CITATIONS
1	Differentiation of Pluripotent Embryonic Stem Cells Into Cardiomyocytes. <i>Circulation Research</i> , 2002, 91, 189-201.	4.5	678
2	Expression of Pax4 in embryonic stem cells promotes differentiation of nestin-positive progenitor and insulin-producing cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 998-1003.	7.1	429
3	Embryonic stem cell differentiation: The role of extracellular factors. <i>Differentiation</i> , 2001, 68, 167-174.	1.9	216
4	Electromagnetic fields affect transcript levels of apoptosis-related genes in embryonic stem cell-derived neural progenitor cells. <i>FASEB Journal</i> , 2005, 19, 1686-1688.	0.5	157
5	Antioxidant and anticancer activities of <i>Chenopodium quinoa</i> leaves extracts – In vitro study. <i>Food and Chemical Toxicology</i> , 2013, 57, 154-160.	3.6	137
6	Differentiation of embryonic stem cell-derived dopaminergic neurons is enhanced by survival-promoting factors. <i>Mechanisms of Development</i> , 2001, 105, 93-104.	1.7	133
7	Potential of Embryonic and Adult Stem Cells in vitro. <i>Biological Chemistry</i> , 2003, 384, 1391-409.	2.5	113
8	High frequency electromagnetic fields (GSM signals) affect gene expression levels in tumor suppressor p53-deficient embryonic stem cells. <i>Bioelectromagnetics</i> , 2004, 25, 296-307.	1.6	104
9	Effect of bioaccessibility of phenolic compounds on in vitro anticancer activity of broccoli sprouts. <i>Food Research International</i> , 2012, 49, 469-476.	6.2	73
10	Flavonoid apigenin inhibits motility and invasiveness of carcinoma cells in vitro. <i>International Journal of Cancer</i> , 2005, 114, 12-18.	5.1	65
11	Gap-Junctional Coupling Measured by Flow Cytometry. <i>Experimental Cell Research</i> , 2000, 255, 40-46.	2.6	60
12	The stage-specific function of gap junctions during tumourigenesis. <i>Cellular and Molecular Biology Letters</i> , 2008, 13, 92-102.	7.0	60
13	The role of connexins in prostate cancer promotion and progression. <i>Nature Reviews Urology</i> , 2012, 9, 274-282.	3.8	56
14	Anticancer and Antioxidant Activity of Bread Enriched with Broccoli Sprouts. <i>BioMed Research International</i> , 2014, 2014, 1-14.	1.9	55
15	Multidirectional effects of triterpene saponins on cancer cells - mini-review of in vitro studies. <i>Acta Biochimica Polonica</i> , 2015, 62, 383-393.	0.5	47
16	Effect of fortification with parsley (<i>Petroselinum crispum</i> Mill.) leaves on the nutraceutical and nutritional quality of wheat pasta. <i>Food Chemistry</i> , 2016, 190, 419-428.	8.2	45
17	Non-thermal effects of power-line magnetic fields (50Hz) on gene expression levels of pluripotent embryonic stem cells – the role of tumour suppressor p53. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 557, 63-74.	1.7	43
18	Usnic acid and atranorin exert selective cytostatic and anti-invasive effects on human prostate and melanoma cancer cells. <i>Toxicology in Vitro</i> , 2017, 40, 161-169.	2.4	42

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19	Contact stimulation of prostate cancer cell migration: the role of gap junctional coupling and migration stimulated by heterotypic cell-to-cell contacts in determination of the metastatic phenotype of Dunning rat prostate cancer cells. <i>Biology of the Cell</i> , 2005, 97, 893-903.	2.0	41
20	Onion skin "Raw material for the production of supplement that enhances the health-beneficial properties of wheat bread. <i>Food Research International</i> , 2015, 73, 97-106.	6.2	39
21	Therapeutic potential of monoterpene α -thujone, the main compound of <i>Thuja occidentalis</i> L. essential oil, against malignant glioblastoma multiforme cells in vitro. <i>Farmacoterapia</i> , 2019, 134, 172-181.	2.2	39
22	Differentiation of Mouse Embryonic Stem Cells into Pancreatic and Hepatic Cells. <i>Methods in Enzymology</i> , 2003, 365, 287-303.	1.0	38
23	Functional links between Snail-1 and Cx43 account for the recruitment of Cx43-positive cells into the invasive front of prostate cancer. <i>Carcinogenesis</i> , 2014, 35, 1920-1930.	2.8	38
24	Role of <i>Helicobacter pylori</i> infection in cancer-associated fibroblast-induced epithelial-mesenchymal transition in vitro. <i>Helicobacter</i> , 2018, 23, e12538.	3.5	37
25	Undifferentiated Bronchial Fibroblasts Derived from Asthmatic Patients Display Higher Elastic Modulus than Their Non-Asthmatic Counterparts. <i>PLoS ONE</i> , 2015, 10, e0116840.	2.5	33
26	Fenofibrate enhances barrier function of endothelial continuum within the metastatic niche of prostate cancer cells. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 163-176.	3.4	32
27	Connexin43 Controls the Myofibroblastic Differentiation of Bronchial Fibroblasts from Patients with Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 100-110.	2.9	32
28	Overexpression of thioredoxin reductase 1 inhibits migration of HEK293 cells. <i>Biology of the Cell</i> , 2007, 99, 677-687.	2.0	30
29	Lovastatin-induced decrease of intracellular cholesterol level attenuates fibroblast-to-myofibroblast transition in bronchial fibroblasts derived from asthmatic patients. <i>European Journal of Pharmacology</i> , 2013, 704, 23-32.	3.5	30
30	Loss of beta1 integrin function results in upregulation of connexin expression in embryonic stem cell-derived cardiomyocytes. <i>International Journal of Developmental Biology</i> , 2005, 49, 33-41.	0.6	29
31	Blood monocytes stimulate migration of human pancreatic carcinoma cells in vitro: The role of tumour necrosis factor α . <i>European Journal of Cell Biology</i> , 2009, 88, 743-752.	3.6	29
32	Apigenin inhibits TGF- β 1 induced fibroblast-to-myofibroblast transition in human lung fibroblast populations. <i>Pharmacological Reports</i> , 2013, 65, 164-172.	3.3	29
33	Fenofibrate attenuates contact-stimulated cell motility and gap junctional coupling in DU-145 human prostate cancer cell populations. <i>Oncology Reports</i> , 2011, 26, 447-53.	2.6	24
34	Transition of asthmatic bronchial fibroblasts to myofibroblasts is inhibited by cell-cell contacts. <i>Respiratory Medicine</i> , 2011, 105, 1467-1475.	2.9	23
35	Microparticles, not only markers but also a therapeutic target in the early stage of diabetic retinopathy and vascular aging. <i>Expert Opinion on Therapeutic Targets</i> , 2012, 16, 677-688.	3.4	22
36	Fenofibrate Reduces the Asthma-Related Fibroblast-To-Myofibroblast Transition by TGF- β /Smad2/3 Signaling Attenuation and Connexin 43-Dependent Phenotype Destabilization. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2571.	4.1	22

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37	Fenofibrate Augments the Sensitivity of Drug-Resistant Prostate Cancer Cells to Docetaxel. <i>Cancers</i> , 2019, 11, 77.	3.7	22
38	Triterpene saponosides from <i>Lysimachia ciliata</i> differentially attenuate invasive potential of prostate cancer cells. <i>Chemico-Biological Interactions</i> , 2013, 206, 6-17.	4.0	19
39	Connexin43high prostate cancer cells induce endothelial connexin43 up-regulation through the activation of intercellular ERK1/2-dependent signaling axis. <i>European Journal of Cell Biology</i> , 2017, 96, 337-346.	3.6	19
40	Expression and Cellular Distribution of β 1 Integrins in β 1 Integrin-deficient Embryonic Stem Cell-derived Cardiac Cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2001, 33, 521-532.	1.9	18
41	Signals from Embryonic Fibroblasts Induce Adult Intestinal Epithelial Cells to Form Nestin-Positive Cells with Proliferation and Multilineage Differentiation Capacity In Vitro. <i>Stem Cells</i> , 2006, 24, 2085-2097.	3.2	18
42	<i>Helicobacter pylori</i> -activated gastric fibroblasts induce epithelial-mesenchymal transition of gastric epithelial cells in vitro in a TGF β 2-dependent manner. <i>Helicobacter</i> , 2019, 24, e12653.	3.5	18
43	Connexin-dependent intercellular stress signaling in tissue homeostasis and tumor development. <i>Acta Biochimica Polonica</i> , 2017, 64, 377-389.	0.5	18
44	Heart non-specific effector CD4+ T cells protect from postinflammatory fibrosis and cardiac dysfunction in experimental autoimmune myocarditis. <i>Basic Research in Cardiology</i> , 2020, 115, 6.	5.9	17
45	Epidermal Growth Factor (EGF) Augments the Invasive Potential of Human Glioblastoma Multiforme Cells via the Activation of Collaborative EGFR/ROS-Dependent Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3605.	4.1	17
46	DU-145 prostate carcinoma cells that selectively transmigrate narrow obstacles express elevated levels of Cx43. <i>Cellular and Molecular Biology Letters</i> , 2011, 16, 625-37.	7.0	15
47	Potentially Bioaccessible Phenolics from Mung Bean and Adzuki Bean Sprouts Enriched with Probiotic Antioxidant Properties and Effect on the Motility and Survival of AGS Human Gastric Carcinoma Cells. <i>Molecules</i> , 2020, 25, 2963.	3.8	14
48	Ascorbic acid inhibits the migration of walker 256 carcinosarcoma cells. <i>Cellular and Molecular Biology Letters</i> , 2008, 13, 103-11.	7.0	12
49	Lithium Attenuates TGF β 1-Induced Fibroblasts to Myofibroblasts Transition in Bronchial Fibroblasts Derived from Asthmatic Patients. <i>Journal of Allergy</i> , 2012, 2012, 1-12.	0.7	12
50	Synergistic Cytotoxic and Anti-invasive Effects of Mitoxantrone and Triterpene Saponins from <i>Lysimachia ciliata</i> on Human Prostate Cancer Cells. <i>Planta Medica</i> , 2016, 82, 1546-1552.	1.3	12
51	High bisphenol A concentrations augment the invasiveness of tumor cells through Snail-1/Cx43/ERR β -dependent epithelial-mesenchymal transition. <i>Toxicology in Vitro</i> , 2020, 62, 104676.	2.4	12
52	Long-Term <i>Helicobacter pylori</i> Infection Switches Gastric Epithelium Reprogramming towards Cancer Stem Cell-Related Differentiation Program in Hp-Activated Gastric Fibroblast-TGF β 2 Dependent Manner. <i>Microorganisms</i> , 2020, 8, 1519.	3.6	12
53	Cell motility affects the intensity of gap junctional coupling in prostate carcinoma and melanoma cell populations. <i>International Journal of Oncology</i> , 2008, 33, 309-15.	3.3	12
54	Cell motility affects the intensity of gap junctional coupling in prostate carcinoma and melanoma cell populations. <i>International Journal of Oncology</i> , 1992, 33, 309.	3.3	11

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55	Apigenin inhibits growth and motility but increases gap junctional coupling intensity in rat prostate carcinoma (MAT-LyLu) cell populations. <i>Cellular and Molecular Biology Letters</i> , 2008, 13, 327-38.	7.0	11
56	High doses of sodium ascorbate interfere with the expansion of glioblastoma multiforme cells in vitro and in vivo. <i>Life Sciences</i> , 2019, 232, 116657.	4.3	11
57	Temozolomide Induces the Acquisition of Invasive Phenotype by O6-Methylguanine-DNA Methyltransferase (MGMT)+ Glioblastoma Cells in a Snail-1/Cx43-Dependent Manner. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4150.	4.1	11
58	CD44+ cells determine fenofibrate-induced microevolution of drug-resistance in prostate cancer cell populations. <i>Stem Cells</i> , 2020, 38, 1544-1556.	3.2	11
59	Effects of cyclosporin A on contractile activity and cytoskeleton in chick embryo cardiomyocytes. <i>Biochemistry and Cell Biology</i> , 1999, 77, 133-140.	2.0	10
60	Functional heterogeneity of non-small lung adenocarcinoma cell sub-populations. <i>Cell Biology International</i> , 2012, 36, 99-103.	3.0	10
61	Efficient and non-toxic gene delivery by anionic lipoplexes based on polypropenyl ammonium salts and their effects on cell physiology. <i>Journal of Gene Medicine</i> , 2016, 18, 331-342.	2.8	10
62	Fenofibrate Interferes with the Diapedesis of Lung Adenocarcinoma Cells through the Interference with Cx43/EGF-Dependent Intercellular Signaling. <i>Cancers</i> , 2018, 10, 363.	3.7	10
63	Hierarchy of carcinoma cell responses to apigenin: gap junctional coupling versus proliferation. <i>Oncology Reports</i> , 2004, 11, 739-44.	2.6	7
64	The inhibitory effect of diphenyltin on gap junctional intercellular communication in HEK-293 cells is reduced by thioredoxin reductase 1. <i>Toxicology Letters</i> , 2008, 183, 45-51.	0.8	6
65	Alterations of TRIM21-mRNA expression during monocyte maturation. <i>Immunobiology</i> , 2017, 222, 494-498.	1.9	6
66	Invasive bronchial fibroblasts derived from asthmatic patients activate lung cancer A549 cells in vitro. <i>Oncology Letters</i> , 2018, 16, 6582-6588.	1.8	5
67	Hydrolysis of Schiff bases with phenyl-ethynyl-phenyl system: The importance for biological and physicochemical studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 212, 112020.	3.8	5
68	Curcumin augments cytostatic and anti-invasive effects of mitoxantrone on carcinosarcoma cells in vitro. <i>Acta Biochimica Polonica</i> , 2016, 63, 397-401.	0.5	4
69	Invasive Cx43 ^{high} sub-line of human prostate DU145 cells displays increased nanomechanical deformability. <i>Acta Biochimica Polonica</i> , 2017, 64, 445-449.	0.5	4
70	CD44 cells determine fenofibrate-induced microevolution of drug-resistance in prostate cancer cell populations. <i>Stem Cells</i> , 2020, , .	3.2	4
71	The effect of tributyltin on human eosinophilic leukemia EoL-1 cells. <i>Cellular and Molecular Biology Letters</i> , 2008, 13, 67-73.	7.0	3
72	Cytoprotective Compounds Interfere with the Nutraceutical Potential of Bread Supplemented with Green Coffee Beans. <i>Antioxidants</i> , 2019, 8, 228.	5.1	3

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73	Bioinspired Bola-Type Peptide Dendrimers Inhibit Proliferation and Invasiveness of Glioblastoma Cells in a Manner Dependent on Their Structure and Amphipathic Properties. <i>Pharmaceutics</i> , 2020, 12, 1106.	4.5	3
74	Deciphering the Functional Role of RIPK4 in Melanoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11504.	4.1	3
75	A new model for the research into rhythmic contraction activity of cardiomyocytes in vitro. <i>Biochemistry and Cell Biology</i> , 1995, 73, 431-439.	2.0	2
76	Reprint of: Alterations of TRIM21-mRNA expression during monocyte maturation. <i>Immunobiology</i> , 2017, 222, 841-845.	1.9	2
77	Expression of VEGFA-mRNA in classical and MSX2-mRNA in non-classical monocytes in patients with spondyloarthritis is associated with peripheral arthritis. <i>Scientific Reports</i> , 2021, 11, 9693.	3.3	0
78	Bioactive compounds from <i>Lactarius deterrimus</i> interfere with the invasive potential of gastric cancer cells. <i>Acta Biochimica Polonica</i> , 2021, 68, 505-513.	0.5	0
79	Spreading-independent growth of normal fibroblasts in three-dimensional cultures. <i>Folia Biologica</i> , 2004, 52, 19-24.	0.5	0
80	Time-extended exposure of gastric epithelial cells to secretome of γ -activated fibroblasts induces reprogramming of gastric epithelium towards pre-cancerogenic and pro-invasive phenotype.. <i>American Journal of Cancer Research</i> , 2022, 12, 1337-1371.	1.4	0