Zbigniew Madeja

List of Publications by Year
in descending order

99	2,600	218677	233421
papers	citations	26 h-index	45 g-index

103	103	103	3715
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyprenol-Based Lipofecting Agents for In Vivo Delivery of Therapeutic DNA to Treat Hypertensive Rats. Biochemical Genetics, 2021, 59, 62-82.	1.7	4
2	Graphene-based materials enhance cardiomyogenic and angiogenic differentiation capacity of human mesenchymal stem cells in vitro â€“ Focus on cardiac tissue regeneration. Materials Science and Engineering C, 2021, 119, 111614.	7.3	20
3	Responsiveness of human bronchial fibroblasts and epithelial cells from asthmatic and non-asthmatic donors to the transforming growth factor-Î²1 in epithelial-mesenchymal trophic unit model. BMC Molecular and Cell Biology, 2021, 22, 19.	2.0	11
4	Temozolomide Induces the Acquisition of Invasive Phenotype by O6-Methylguanine-DNA Methyltransferase (MGMT)+ Glioblastoma Cells in a Snail-1/Cx43-Dependent Manner. International Journal of Molecular Sciences, 2021, 22, 4150.	4.1	11
5	Towards water-soluble [60]fullerenes for the delivery of siRNA in a prostate cancer model. Scientific Reports, 2021, 11, 10565.	3.3	7
6	Extracellular vesicles from human iPSCs enhance reconstitution capacity of cord blood-derived hematopoietic stem and progenitor cells. Leukemia, 2021, 35, 2964-2977.	7.2	10
7	Cinnamic Acid Derivatives as Cardioprotective Agents against Oxidative and Structural Damage Induced by Doxorubicin. International Journal of Molecular Sciences, 2021, 22, 6217.	4.1	13
8	Processing and Ex Vivo Expansion of Adipose Tissue-Derived Mesenchymal Stem/Stromal Cells for the Development of an Advanced Therapy Medicinal Product for use in Humans. Cells, 2021, 10, 1908.	4.1	8
9	Lipofection-Based Delivery of DNA Vaccines. Methods in Molecular Biology, 2021, 2183, 391-404.	0.9	2
10	SB203580â€"A Potent p38 MAPK Inhibitor Reduces the Profibrotic Bronchial Fibroblasts Transition Associated with Asthma. International Journal of Molecular Sciences, 2021, 22, 12790.	4.1	12
11	High bisphenol A concentrations augment the invasiveness of tumor cells through Snail-1/Cx43/ERRÎ³-dependent epithelial-mesenchymal transition. Toxicology in Vitro, 2020, 62, 104676.	2.4	12
12	Enhanced asthma-related fibroblast to myofibroblast transition is the result of profibrotic TGF-Î²/Smad2/3 pathway intensification and antifibrotic TGF-Î²/Smad1/5/(8)9 pathway impairment. Scientific Reports, 2020, 10, 16492.	3.3	34
13	Boost of serum resistance and storage stability in cationic polyprenyl-based lipofection by helper lipids compositions. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 155, 199-209.	4.3	4
14	Multilineage Differentiation Potential of Human Dental Pulp Stem Cellsâ€"Impact of 3D and Hypoxic Environment on Osteogenesis In Vitro. International Journal of Molecular Sciences, 2020, 21, 6172.	4.1	22
15	Adipose-Derived Stromal Cells Seeded on IntegraÂ® Dermal Regeneration Template Improve Post-Burn Wound Reconstruction. Bioengineering, 2020, 7, 67.	3.5	11
16	CD44 cells determine fenofibrate-induced microevolution of drug-resistance in prostate cancer cell populations. Stem Cells, 2020, , .	3.2	4
17	CD44+ cells determine fenofibrate-induced microevolution of drug-resistance in prostate cancer cell populations. Stem Cells, 2020, 38, 1544-1556.	3.2	11
18	Asthma-derived fibroblast to myofibroblast transition is enhanced in comparison to fibroblasts derived from non-asthmatic patients in 3D in vitro culture due to Smad2/3 signalling. Acta Biochimica Polonica, 2020, 67, 441-448.	0.5	3

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19	High doses of sodium ascorbate interfere with the expansion of glioblastoma multiforme cells in vitro and in vivo. Life Sciences, 2019, 232, 116657.	4.3	11
20	Impact of Graphene-Based Surfaces on the Basic Biological Properties of Human Umbilical Cord Mesenchymal Stem Cells: Implications for Ex Vivo Cell Expansion Aimed at Tissue Repair. International Journal of Molecular Sciences, 2019, 20, 4561.	4.1	23
21	Metastatic prostate cancer cells are highly sensitive to 3-bromopyruvic acid. Life Sciences, 2019, 227, 212-223.	4.3	18
22	Fenofibrate Augments the Sensitivity of Drug-Resistant Prostate Cancer Cells to Docetaxel. Cancers, 2019, 11, 77.	3.7	22
23	Electrotaxis: Cell Directional Movement in Electric Fields. Methods in Molecular Biology, 2018, 1749, 325-340.	0.9	9
24	Connective tissue growth factor regulates transition of primary bronchial fibroblasts to myofibroblasts in asthmatic subjects. Cytokine, 2018, 102, 187-190.	3.2	17
25	Induced Pluripotent Stem Cell (iPSC)â€“Derived Extracellular Vesicles Are Safer and More Effective for Cardiac Repair Than iPSCs. Circulation Research, 2018, 122, 296-309.	4.5	231
26	Fenofibrate Interferes with the Diapedesis of Lung Adenocarcinoma Cells through the Interference with Cx43/EGF-Dependent Intercellular Signaling. Cancers, 2018, 10, 363.	3.7	10
27	Fenofibrate Reduces the Asthma-Related Fibroblast-To-Myofibroblast Transition by TGF-Î²/Smad2/3 Signaling Attenuation and Connexin 43-Dependent Phenotype Destabilization. International Journal of Molecular Sciences, 2018, 19, 2571.	4.1	22
28	Fibroblast-to-myofibroblast transition in bronchial asthma. Cellular and Molecular Life Sciences, 2018, 75, 3943-3961.	5.4	95
29	Usnic acid and atranorin exert selective cytostatic and anti-invasive effects on human prostate and melanoma cancer cells. Toxicology in Vitro, 2017, 40, 161-169.	2.4	42
30	Connexin43 Controls the Myofibroblastic Differentiation of Bronchial Fibroblasts from Patients with Asthma. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 100-110.	2.9	32
31	Polylactide- and polycaprolactone-based substrates enhance angiogenic potential of human umbilical cord-derived mesenchymal stem cells in vitro - implications for cardiovascular repair. Materials Science and Engineering C, 2017, 77, 521-533.	7.3	17
32	Avoiding the side effects of electric current pulse application to electroporated cells in disposable small volume cuvettes assures good cell survival. Cellular and Molecular Biology Letters, 2017, 22, 1.	7.0	18
33	Connexin43high prostate cancer cells induce endothelial connexin43 up-regulation through the activation of intercellular ERK1/2-dependent signaling axis. European Journal of Cell Biology, 2017, 96, 337-346.	3.6	19
34	Stage-Specific Embryonic Antigen-4 (SSEA-4) as a Distinguishing Marker between Eccrine and Apocrine Origin of Ducts of Sweat Glands. Journal of Investigative Dermatology, 2017, 137, 2437-2440.	0.7	3
35	Electric field as a potential directional cue in homing of bone marrow-derived mesenchymal stem cells to cutaneous wounds. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 267-279.	4.1	37
36	Diverse impact of xeno-free conditions on biological and regenerative properties of hUC-MSCs and their extracellular vesicles. Journal of Molecular Medicine, 2017, 95, 205-220.	3.9	54

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37	Effective usage of cationic derivatives of polyprenols as carriers of DNA vaccines against influenza virus. Virology Journal, 2017, 14, 168.	3.4	13
38	Connexin-dependent intercellular stress signaling in tissue homeostasis and tumor development. Acta Biochimica Polonica, 2017, 64, 377-389.	0.5	18
39	Curcumin augments cytostatic and anti-invasive effects of mitoxantrone on carcinosar-coma cells in vitro. Acta Biochimica Polonica, 2016, 63, 397-401.	0.5	4
40	Identification of New Rat Bone Marrow-Derived Population of Very Small Stem Cell with Oct-4A and Nanog Expression by Flow Cytometric Platforms. Stem Cells International, 2016, 2016, 1-14.	2.5	2
41	Lamellipodia and Membrane Blebs Drive Efficient Electrotactic Migration of Rat Walker Carcinosarcoma Cells WC 256. PLoS ONE, 2016, 11, e0149133.	2.5	12
42	Pentoxifylline and its active metabolite lisofylline attenuate transforming growth factor Î²1-induced asthmatic bronchial fibroblast-to-myofibroblast transition. Acta Biochimica Polonica, 2016, 63, 437-42.	0.5	9
43	9-AAA inhibits growth and induces apoptosis in human melanoma A375 and rat prostate adenocarcinoma AT-2 and Mat-LyLu cell lines but does not affect the growth and viability of normal fibroblasts. Oncology Letters, 2016, 12, 4125-4132.	1.8	2
44	Efficient and non-toxic gene delivery by anionic lipoplexes based on polyprenyl ammonium salts and their effects on cell physiology. Journal of Gene Medicine, 2016, 18, 331-342.	2.8	10
45	Growth and motility of human skin fibroblasts on multilayer strong polyelectrolyte films. Journal of Colloid and Interface Science, 2016, 461, 305-316.	9.4	12
46	Efficacy of Local Anesthetics in Detachment of Normal 3T3 Mouse Fibroblasts and Prostate Cancer AT-2 Cells from Substrata, in Maintenance of Viable Cells in a Non-Adherent State, and in Preservation of Cell Surface Markers Detected with FlowSight Image Cytometry. Folia Biologica, 2015, 63, 249-255.	0.5	2
47	Human Induced Pluripotent Stem Cell-Derived Microvesicles Transmit RNAs and Proteins to Recipient Mature Heart Cells Modulating Cell Fate and Behavior. Stem Cells, 2015, 33, 2748-2761.	3.2	85
48	The role of microtubules in electrotaxis of rat Walker carcinosarcoma WC256 cells. Acta Biochimica Polonica, 2015, 62, 401-406.	0.5	6
49	Monocyte Chemoattractant Protein-Induced Protein 1 (MCPIP1) Enhances Angiogenic and Cardiomyogenic Potential of Murine Bone Marrow-Derived Mesenchymal Stem Cells. PLoS ONE, 2015, 10, e0133746.	2.5	25
50	Fenofibrate enhances barrier function of endothelial continuum within the metastatic niche of prostate cancer cells. Expert Opinion on Therapeutic Targets, 2015, 19, 163-176.	3.4	32
51	MET receptor is a potential therapeutic target in high grade cervical cancer. Oncotarget, 2015, 6, 10086-10101.	1.8	15
52	Cell elasticity is an important indicator of the metastatic phenotype of melanoma cells. Experimental Dermatology, 2014, 23, 813-818.	2.9	45
53	Decreasing the thresholds for electroporation by sensitizing cells with local cationic anesthetics and substances that decrease the surface negative electric charge. Cellular and Molecular Biology Letters, 2014, 19, 65-76.	7.0	7
54	Poly(L-lactide-co-glycolide) thin films can act as autologous cell carriers for skin tissue engineering. Cellular and Molecular Biology Letters, 2014, 19, 297-314.	7.0	7

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55	Microcystin-LR affects properties of human epidermal skin cells crucial for regenerative processes. Toxicon, 2014, 80, 38-46.	1.6	27
56	Functional links between Snail-1 and Cx43 account for the recruitment of Cx43-positive cells into the invasive front of prostate cancer. Carcinogenesis, 2014, 35, 1920-1930.	2.8	38
57	Triterpene saponosides from Lysimachia ciliata differentially attenuate invasive potential of prostate cancer cells. Chemico-Biological Interactions, 2013, 206, 6-17.	4.0	19
58	Lovastatin-induced decrease of intracellular cholesterol level attenuates fibroblast-to-myofibroblast transition in bronchial fibroblasts derived from asthmatic patients. European Journal of Pharmacology, 2013, 704, 23-32.	3.5	30
59	Reversible and irreversible electroporation of cell suspensions flowing through a localized DC electric field. Cellular and Molecular Biology Letters, 2013, 18, 102-19.	7.0	15
60	Morpho-physiological heterogeneity of cells within two rat prostate carcinoma cell lines AT-2 and MAT-LyLu differing in the degree of malignancy observed by cell cloning and the effects of caffeine, theophylline and papaverine upon a proportion of the clones. Oncology Reports, 2013, 29, 1789-1796.	2.6	10
61	Lclet 4 enhances pro-apoptotic and anti-invasive effects of mitoxantrone on human prostate cancer cells - in vitro study.. Acta Biochimica Polonica, 2013, 60, .	0.5	13
62	Experimental cardiovascular and lung research Mobilization of stem cells into the peripheral blood in children with congenital heart disease. Kardiochirurgia I Torakochirurgia Polska, 2013, 4, 403-409.	0.1	0
63	Lithium Attenuates TGF-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:msub><mml:mi mathvariant="bold-italic">Î²</mml:mi><mml:mn mathvariant="bold">1</mml:mn></mml:msub></mml:mrow></mml:math>-Induced Fibroblasts to Myofibroblasts Transition in Bronchial Fibroblasts Derived from Asthmatic Patients. Journal of Allergy, 2012, 2012, 1-12.	0.7	12
64	The role of connexins in prostate cancer promotion and progression. Nature Reviews Urology, 2012, 9, 274-282.	3.8	56
65	Functional heterogeneity of non-small lung adenocarcinoma cell sub-populations. Cell Biology International, 2012, 36, 99-103.	3.0	10
66	ADAM17 Silencing in Mouse Colon Carcinoma Cells: The Effect on Tumoricidal Cytokines and Angiogenesis. PLoS ONE, 2012, 7, e50791.	2.5	27
67	Stem Cells, Including a Population of Very Small Embryonic-Like Stem Cells, are Mobilized Into Peripheral Blood in Patients After Skin Burn Injury. Stem Cell Reviews and Reports, 2012, 8, 184-194.	5.6	85
68	Transition of asthmatic bronchial fibroblasts to myofibroblasts is inhibited by cellâ€“cell contacts. Respiratory Medicine, 2011, 105, 1467-1475.	2.9	23
69	Fenofibrate attenuates contact-stimulated cell motility and gap junctional coupling in DU-145 human prostate cancer cell populations. Oncology Reports, 2011, 26, 447-53.	2.6	24
70	Genetically modified adipose tissueâ^'derived mesenchymal stem cells overexpressing CXCR4 display increased motility, invasiveness, and homing to bone marrow of NOD/SCID mice. Experimental Hematology, 2011, 39, 686-696.e4.	0.4	85
71	Solute-dependent activation of cell motility in strongly hypertonic solutions in Dictyostelium discoideum, human melanoma HTB-140 cells and walker 256 carcinosarcoma cells. Cellular and Molecular Biology Letters, 2011, 16, 412-30.	7.0	5
72	DU-145 prostate carcinoma cells that selectively transmigrate narrow obstacles express elevated levels of Cx43. Cellular and Molecular Biology Letters, 2011, 16, 625-37.	7.0	15

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73	ROS accumulation and IGF-IR inhibition contribute to fenofibrate/PPARÎ± -mediated inhibition of Glioma cell motility in vitro. Molecular Cancer, 2010, 9, 159.	19.2	81
74	Involvement of Cytoskeleton in Orientation of Cell Division in Contact Guided Cells. Folia Biologica, 2009, 58, 21-27.	0.5	6
75	Separation methods for isolation of human polymorphonuclear leukocytes affect their motile activity. European Journal of Cell Biology, 2009, 88, 531-539.	3.6	17
76	Blood monocytes stimulate migration of human pancreatic carcinoma cells in vitro: The role of tumour necrosis factor â€“ alpha. European Journal of Cell Biology, 2009, 88, 743-752.	3.6	29
77	Topographical control of prostate cancer cell migration. Molecular Medicine Reports, 2009, 2, 865-71.	2.4	8
78	The effect of tributyltin on human eosinophylic leukemia EoL-1 cells. Cellular and Molecular Biology Letters, 2008, 13, 67-73.	7.0	3
79	Ascorbic acid inhibits the migration of walker 256 carcinosarcoma cells. Cellular and Molecular Biology Letters, 2008, 13, 103-11.	7.0	12
80	Apigenin inhibits growth and motility but increases gap junctional coupling intensity in rat prostate carcinoma (MAT-LyLu) cell populations. Cellular and Molecular Biology Letters, 2008, 13, 327-38.	7.0	11
81	The inhibitory effect of diphenyltin on gap junctional intercellular communication in HEK-293 cells is reduced by thioredoxin reductase 1. Toxicology Letters, 2008, 183, 45-51.	0.8	6
82	Cell motility affects the intensity of gap junctional coupling in prostate carcinoma and melanoma cell populations. International Journal of Oncology, 2008, 33, 309-15.	3.3	12
83	Overexpression of thioredoxin reductase 1 inhibits migration of HEKâ€293 cells. Biology of the Cell, 2007, 99, 677-687.	2.0	30
84	Genistein inhibits the contact-stimulated migration of prostate cancer cells. Cellular and Molecular Biology Letters, 2007, 12, 348-61.	7.0	26
85	New cationic polyprenyl derivative proposed as a lipofecting agent.. Acta Biochimica Polonica, 2007, 54, 873-876.	0.5	13
86	New cationic polyprenyl derivative proposed as a lipofecting agent. Acta Biochimica Polonica, 2007, 54, 873-6.	0.5	6
87	The role of thioredoxin reductase activity in selenium-induced cytotoxicity. Biochemical Pharmacology, 2005, 69, 1765-1772.	4.4	41
88	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. Biology of the Cell, 2005, 97, 893-903.	2.0	41
89	Flavonoid apigenin inhibits motility and invasiveness of carcinoma cellsin vitro. International Journal of Cancer, 2005, 114, 12-18.	5.1	65
90	The effect of triethyllead on the motile activity of walker 256 carcinosarcoma cells. Cellular and Molecular Biology Letters, 2004, 9, 15-30.	7.0	12

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91	Diverse chemotactic responses ofDictyostelium discoideum amoebae in the developing (temporal) and stationary (spatial) concentration gradients of folic acid, cAMP, Ca2+ and Mg2+. Cytoskeleton, 2002, 53, 1-25.	4.4	24
92	Folic acid, ascorbic acid and sodium selenite restore the motility of Dictyostelium discoideum inhibited by triethyllead. Toxicology, 2002, 180, 275-292.	4.2	12
93	Contact guidance of Walker carcinosarcoma cells by the underlying normal fibroblasts is inhibited by RGD-containing synthetic peptides. Folia Histochemica Et Cytobiologica, 2002, 40, 251-60.	1.5	5
94	Trimethyltin inhibits the chemotaxis ofDictyostelium discoideum amoebae. European Journal of Protistology, 2001, 37, 313-326.	1.5	10
95	Contact-activated migration of melanoma B16 and sarcoma XC cells. Biochemistry and Cell Biology, 2001, 79, 425-440.	2.0	21
96	Directional movement of rat prostate cancer cells in direct-current electric field. Journal of Cell Science, 2001, 114, 2697-2705.	2.0	190
97	Immediate and long-term galvanotactic responses ofAmoeba proteus to dc electric fields. Cytoskeleton, 2000, 45, 10-26.	4.4	43
98	Chemotaxis ofAmoeba proteus in the developing pH gradient within a pocket-like chamber studied with the computer assisted method. , 1997, 38, 38-53.		32
99	Activation of macrophage-like cells by multiple grooved substrata. Topographical control of cell behaviour.. Cell Biology International, 1995, 19, 485-490.	3.0	151