

Mateusz Wierzbicki

List of Publications by Citations

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

51
papers

1,207
citations

21
h-index

33
g-index

56
ext. papers

1,502
ext. citations

5
avg, IF

4.17
L-index

#	Paper	IF	Citations
51	In vitro evaluation of the effects of graphene platelets on glioblastoma multiforme cells. <i>International Journal of Nanomedicine</i> , 2013 , 8, 413-20	7.3	87
50	Graphene Oxide-Based Nanocomposites Decorated with Silver Nanoparticles as an Antibacterial Agent. <i>Nanoscale Research Letters</i> , 2018 , 13, 116	5	81
49	Nanoparticles of copper stimulate angiogenesis at systemic and molecular level. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 4838-49	6.3	71
48	In vitro and in vivo effects of graphene oxide and reduced graphene oxide on glioblastoma. <i>International Journal of Nanomedicine</i> , 2015 , 10, 1585-96	7.3	66
47	Biodistribution of a High Dose of Diamond, Graphite, and Graphene Oxide Nanoparticles After Multiple Intraperitoneal Injections in Rats. <i>Nanoscale Research Letters</i> , 2015 , 10, 398	5	65
46	Interaction of graphene family materials with <i>Listeria monocytogenes</i> and <i>Salmonella enterica</i> . <i>Nanoscale Research Letters</i> , 2015 , 10, 23	5	56
45	Comparison of anti-angiogenic properties of pristine carbon nanoparticles. <i>Nanoscale Research Letters</i> , 2013 , 8, 195	5	52
44	Analysis of the cytotoxicity of carbon-based nanoparticles, diamond and graphite, in human glioblastoma and hepatoma cell lines. <i>PLoS ONE</i> , 2015 , 10, e0122579	3.7	45
43	Influence of nanoparticles of platinum on chicken embryo development and brain morphology. <i>Nanoscale Research Letters</i> , 2013 , 8, 251	5	41
42	Nanoparticles of carbon allotropes inhibit glioblastoma multiforme angiogenesis in ovo. <i>International Journal of Nanomedicine</i> , 2011 , 6, 3041-8	7.3	40
41	Toxicity of pristine graphene in experiments in a chicken embryo model. <i>International Journal of Nanomedicine</i> , 2014 , 9, 3913-22	7.3	39
40	Long Term Influence of Carbon Nanoparticles on Health and Liver Status in Rats. <i>PLoS ONE</i> , 2015 , 10, e0144821	3.7	37
39	Nanoparticles containing allotropes of carbon have genotoxic effects on glioblastoma multiforme cells. <i>International Journal of Nanomedicine</i> , 2014 , 9, 2409-17	7.3	36
38	Graphene Functionalized with Arginine Decreases the Development of Glioblastoma Multiforme Tumor in a Gene-Dependent Manner. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 25214-33	6.3	30
37	Carbon nanoparticles downregulate expression of basic fibroblast growth factor in the heart during embryogenesis. <i>International Journal of Nanomedicine</i> , 2013 , 8, 3427-35	7.3	29
36	Degradation of Mitochondria and Oxidative Stress as the Main Mechanism of Toxicity of Pristine Graphene on U87 Glioblastoma Cells and Tumors and HS-5 Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	27
35	Nano-nutrition of chicken embryos. The effect of in ovo administration of diamond nanoparticles and L-glutamine on molecular responses in chicken embryo pectoral muscles. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 23033-44	6.3	27

34	Diamond, graphite, and graphene oxide nanoparticles decrease migration and invasiveness in glioblastoma cell lines by impairing extracellular adhesion. <i>International Journal of Nanomedicine</i> , 2017 , 12, 7241-7254	7.3	26
33	Investigation of platinum nanoparticle properties against U87 glioblastoma multiforme. <i>Archives of Medical Science</i> , 2017 , 13, 1322-1334	2.9	26
32	Silver and Copper Nanoparticles-An Alternative in Future Mastitis Treatment and Prevention?. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	25
31	Effect of taurine and gold nanoparticles on the morphological and molecular characteristics of muscle development during chicken embryogenesis. <i>Archives of Animal Nutrition</i> , 2012 , 66, 1-13	2.7	22
30	Effect of silver nanoparticles and hydroxyproline, administered in ovo, on the development of blood vessels and cartilage collagen structure in chicken embryos. <i>Archives of Animal Nutrition</i> , 2015 , 69, 57-68	2.7	20
29	Diamond Nanoparticles Modify Curcumin Activity: In Vitro Studies on Cancer and Normal Cells and In Ovo Studies on Chicken Embryo Model. <i>PLoS ONE</i> , 2016 , 11, e0164637	3.7	20
28	Assessment of the proliferation status of glioblastoma cell and tumour tissue after nanoplatinum treatment. <i>PLoS ONE</i> , 2017 , 12, e0178277	3.7	19
27	Effect of different levels of copper nanoparticles and copper sulphate on performance, metabolism and blood biochemical profiles in broiler chicken. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018 , 102, e364-e373	2.6	19
26	NF- κ B-related decrease of glioma angiogenic potential by graphite nanoparticles and graphene oxide nanoplatelets. <i>Scientific Reports</i> , 2018 , 8, 14733	4.9	19
25	Nanocomplexes of Graphene Oxide and Platinum Nanoparticles against Colorectal Cancer Colo205, HT-29, HTC-116, SW480, Liver Cancer HepG2, Human Breast Cancer MCF-7, and Adenocarcinoma LNCaP and Human Cervical Hela B Cell Lines. <i>Materials</i> , 2019 , 12,	3.5	16
24	Interaction of different forms of graphene with chicken embryo red blood cells. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 21671-21679	5.1	16
23	Effects of Reduced Graphene Oxides on Apoptosis and Cell Cycle of Glioblastoma Multiforme. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	16
22	Toxicity of different forms of graphene in a chicken embryo model. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 19940-8	5.1	15
21	Graphene Oxide in a Composite with Silver Nanoparticles Reduces the Fibroblast and Endothelial Cell Cytotoxicity of an Antibacterial Nanoplatfrom. <i>Nanoscale Research Letters</i> , 2019 , 14, 320	5	15
20	Effect of heparan sulfate and gold nanoparticles on muscle development during embryogenesis. <i>International Journal of Nanomedicine</i> , 2011 , 6, 3163-72	7.3	14
19	Mechano-signalling, induced by fullerene C nanofilms, arrests the cell cycle in the G2/M phase and decreases proliferation of liver cancer cells. <i>International Journal of Nanomedicine</i> , 2019 , 14, 6197-6215	7.3	11
18	Silver and Copper Nanoparticles Inhibit Biofilm Formation by Mastitis Pathogens. <i>Animals</i> , 2021 , 11,	3.1	11
17	Graphene oxide down-regulates genes of the oxidative phosphorylation complexes in a glioblastoma. <i>BMC Molecular Biology</i> , 2019 , 20, 2	4.5	11

16	Nanostructures of diamond, graphene oxide and graphite inhibit CYP1A2, CYP2D6 and CYP3A4 enzymes and downregulate their genes in liver cells. <i>International Journal of Nanomedicine</i> , 2018 , 13, 8561-8575	7.3	8
15	Use of Selected Carbon Nanoparticles as Melittin Carriers for MCF-7 and MDA-MB-231 Human Breast Cancer Cells. <i>Materials</i> , 2019 , 13,	3.5	7
14	Graphene Oxide Scaffold Stimulates Differentiation and Proangiogenic Activities of Myogenic Progenitor Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
13	Graphene oxide nanofilm and the addition of L-glutamine can promote development of embryonic muscle cells. <i>Journal of Nanobiotechnology</i> , 2020 , 18, 76	9.4	5
12	Comparison of tumour morphology and structure from U87 and U118 glioma cells cultured on chicken embryo chorioallantoic membrane. <i>Bulletin of the Veterinary Institute in Pulawy = Biuletyn Instytutu Weterynarii W Pulawach</i> , 2013 , 57, 593-598		5
11	Effect of zinc nanoparticles on embryo and chicken growth, and the content of zinc in tissues and faeces. <i>South African Journal of Animal Sciences</i> , 2020 , 50, 109-119	1	4
10	Effects of Graphene Oxide Nanofilm and Chicken Embryo Muscle Extract on Muscle Progenitor Cell Differentiation and Contraction. <i>Molecules</i> , 2020 , 25,	4.8	4
9	Morphology of Human Glioblastoma Model Cultured in Ovo. <i>Bulletin of the Veterinary Institute in Pulawy = Biuletyn Instytutu Weterynarii W Pulawach</i> , 2012 , 56, 261-266		4
8	Comparison of the Toxicity of Pristine Graphene and Graphene Oxide, Using Four Biological Models. <i>Materials</i> , 2021 , 14,	3.5	4
7	Diamond Nanoparticles Downregulate Expression of and in Glioma Cells. <i>Molecules</i> , 2019 , 24,	4.8	2
6	Analysis of the cytotoxicity of hierarchical nanoporous graphenic carbon against human glioblastoma grade IV cells. <i>International Journal of Nanomedicine</i> , 2017 , 12, 3839-3849	7.3	2
5	Reduced Graphene Oxides Modulate the Expression of Cell Receptors and Voltage-Dependent Ion Channel Genes of Glioblastoma Multiforme. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
4	Alginate-based tissue-specific bioinks for multi-material 3D-bioprinting of pancreatic islets and blood vessels: A step towards vascularized pancreas grafts. <i>Bioprinting</i> , 2021 , 24, e00163	7	2
3	Influence of Selected Carbon Nanostructures on the CYP2C9 Enzyme of the P450 Cytochrome. <i>Materials</i> , 2019 , 12,	3.5	1
2	Diamond Nanofilm Normalizes Proliferation and Metabolism in Liver Cancer Cells. <i>Nanotechnology, Science and Applications</i> , 2021 , 14, 115-137	3.9	0
1	Bone marrow-origin stem/progenitor cells in the mammary gland of heifers. <i>Polish Journal of Veterinary Sciences</i> , 2014 , 17, 161-3	0.7	