

Katarzyna Milowska

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54
papers

984
citations

18
h-index

29
g-index

62
ext. papers

1,185
ext. citations

5.1
avg, IF

4.25
L-index

#	Paper	IF	Citations
54	How to study dendrimers and dendriplexes III. Biodistribution, pharmacokinetics and toxicity in vivo. <i>Journal of Controlled Release</i> , 2014 , 181, 40-52	11.7	75
53	Dendrimers and hyperbranched structures for biomedical applications. <i>European Polymer Journal</i> , 2019 , 119, 61-73	5.2	65
52	Anticancer siRNA cocktails as a novel tool to treat cancer cells. Part (A). Mechanisms of interaction. <i>International Journal of Pharmaceutics</i> , 2015 , 485, 261-9	6.5	56
51	Viologen-Phosphorus Dendrimers Inhibit β -Synuclein Fibrillation. <i>Molecular Pharmaceutics</i> , 2013 , 10, 1131-7	5.6	53
50	Interaction between PAMAM-NH Γ G4 dendrimer and 5-fluorouracil in aqueous solution. <i>International Journal of Pharmaceutics</i> , 2011 , 408, 266-70	6.5	51
49	Phosphorus-containing dendrimers against β -Synuclein fibril formation. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 1138-43	7.9	48
48	Spheroids as a Type of Three-Dimensional Cell Cultures-Examples of Methods of Preparation and the Most Important Application. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	44
47	PAMAM G4 dendrimers affect the aggregation of β -Synuclein. <i>International Journal of Biological Macromolecules</i> , 2011 , 48, 742-6	7.9	41
46	Reactive oxygen species and DNA damage after ultrasound exposure. <i>New Biotechnology</i> , 2007 , 24, 263-7		39
45	Dendrimers--revolutionary drugs for infectious diseases. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012 , 4, 469-91	9.2	37
44	Nanoparticle corona for proteins: mechanisms of interaction between dendrimers and proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 134, 377-83	6	28
43	Carbosilane dendrimers inhibit β -Synuclein fibrillation and prevent cells from rotenone-induced damage. <i>International Journal of Pharmaceutics</i> , 2015 , 484, 268-75	6.5	28
42	Mechanism of cationic phosphorus dendrimer toxicity against murine neural cell lines. <i>Molecular Pharmaceutics</i> , 2013 , 10, 3484-96	5.6	24
41	Biological Activity of Mesoporous Dendrimer-Coated Titanium Dioxide: Insight on the Role of the Surface-Interface Composition and the Framework Crystallinity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19994-20003	9.5	23
40	Cytotoxic activity of genistein-8-C-glucoside form L. and genistein against human SK-OV-3 ovarian carcinoma cell line. <i>Medicinal Chemistry Research</i> , 2017 , 26, 64-73	2.2	22
39	Multi-Target Inhibition of Cancer Cell Growth by siRNA Cocktails and 5-Fluorouracil Using Effective Piperidine-Terminated Phosphorus Dendrimers. <i>Colloids and Interfaces</i> , 2017 , 1, 6	3	21
38	Synthesis, characterization and biological properties of new hybrid carbosilane β -viologen β -phosphorus dendrimers. <i>RSC Advances</i> , 2015 , 5, 25942-25958	3.7	21

37	Chitosan-Functionalized Graphene Nanocomposite Films: Interfacial Interplay and Biological Activity. <i>Materials</i> , 2020 , 13,	3.5	19
36	Dendrimers complexed with HIV-1 peptides interact with liposomes and lipid monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015 , 1848, 907-15	3.8	18
35	Promising low-toxicity of viologen-phosphorus dendrimers against embryonic mouse hippocampal cells. <i>Molecules</i> , 2013 , 18, 12222-40	4.8	18
34	Synergistic effect of ultrasound and phthalocyanines on nucleated erythrocytes in vitro. <i>Ultrasound in Medicine and Biology</i> , 2005 , 31, 1707-12	3.5	17
33	Haemolytic activity and cellular toxicity of SBA-15-type silicas: elucidating the role of the mesostructure, surface functionality and linker length. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2714-2724	7.3	16
32	In vitro PAMAM, phosphorus and viologen-phosphorus dendrimers prevent rotenone-induced cell damage. <i>International Journal of Pharmaceutics</i> , 2014 , 474, 42-9	6.5	13
31	Interference of cationic polymeric nanoparticles with clinical chemistry tests--clinical relevance. <i>International Journal of Pharmaceutics</i> , 2014 , 473, 599-606	6.5	13
30	Viologen-phosphorus dendrimers exhibit minor toxicity against a murine neuroblastoma cell line. <i>Cellular and Molecular Biology Letters</i> , 2013 , 18, 459-78	8.1	13
29	Enhancement of ultrasonically induced cell damage by phthalocyanines in vitro. <i>Ultrasonics</i> , 2008 , 48, 724-30	3.5	13
28	Interaction of Bsynuclein with Rhus typhina tannin - Implication for Parkinson's disease. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 155, 159-165	6	12
27	Cytotoxicity of Ppyrrolidinophenones: an Impact of PAliphatic Side-chain Length and Changes in the Plasma Membrane Fluidity. <i>Neurotoxicity Research</i> , 2018 , 34, 613-626	4.3	12
26	Oleochemical-tethered SBA-15-type silicates with tunable nanoscopic order, carboxylic surface, and hydrophobic framework: cellular toxicity, hemolysis, and antibacterial activity. <i>Chemistry - A European Journal</i> , 2014 , 20, 9596-606	4.8	12
25	Effect of ultrasound on nucleated erythrocytes. <i>Ultrasound in Medicine and Biology</i> , 2005 , 31, 129-34	3.5	12
24	Impact of mesoporous silica surface functionalization on human serum albumin interaction, cytotoxicity and antibacterial activity. <i>Microporous and Mesoporous Materials</i> , 2016 , 231, 47-56	5.3	12
23	Interaction of PAMAM dendrimers with bovine insulin depends on nanoparticle end-groups. <i>Journal of Luminescence</i> , 2015 , 162, 87-91	3.8	11
22	Interaction between dendrimers and regulatory proteins. Comparison of effects of carbosilane and carbosilane-viologen-phosphorus dendrimers. <i>RSC Advances</i> , 2016 , 6, 97546-97554	3.7	9
21	Generation-dependent effect of PAMAM dendrimers on human insulin fibrillation and thermal stability. <i>International Journal of Biological Macromolecules</i> , 2016 , 82, 54-60	7.9	9
20	Interactions of free copper (II) ions alone or in complex with iron (III) ions with erythrocytes of marine fish <i>Dicentrarchus labrax</i> . <i>Cell Biology International</i> , 2009 , 33, 941-8	4.5	9

19	Interaction between viologen-phosphorus dendrimers and β synuclein. <i>Journal of Luminescence</i> , 2013 , 134, 132-137	3.8	8
18	Phosphorylated Micro- and Nanocellulose-Filled Chitosan Nanocomposites as Fully Sustainable, Biologically Active Bioplastics. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18354-18365	8.3	8
17	Generation Dependent Effects and Entrance to Mitochondria of Hybrid Dendrimers on Normal and Cancer Neuronal Cells In Vitro. <i>Biomolecules</i> , 2020 , 10,	5.9	5
16	Antimicrobial Effect of Chitosan Films on Food Spoilage Bacteria. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
15	Chimeric Stimuli-Responsive Liposomes as Nanocarriers for the Delivery of the Anti-Glioma Agent TRAM-34. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
14	Evaluation of the Effect of Selected Brominated Flame Retardants on Human Serum Albumin and Human Erythrocyte Membrane Proteins. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
13	Biological activity of pentachlorophenol on the digestive gland cells of the freshwater mussel <i>Unio tumidus</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2003 , 58, 867-72	1.7	3
12	Cationic Carbosilane Dendrimers Prevent Abnormal β Synuclein Accumulation in Parkinson's Disease Patient-Specific Dopamine Neurons. <i>Biomacromolecules</i> , 2021 , 22, 4582-4591	6.9	3
11	Interaction of Cationic Carbosilane Dendrimers and Their siRNA Complexes with MCF-7 Cells. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
10	Influence of PAMAM dendrimers on the human insulin 2015 ,		2
9	Insight into Factors Influencing Wound Healing Using Phosphorylated Cellulose-Filled-Chitosan Nanocomposite Films. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
8	Hybrid phosphorus-viologen dendrimers as new soft nanoparticles: design and properties. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 4607-4622	5.2	2
7	Carbosilane dendrimers affect the fibrillation of β synuclein 2015 ,		1
6	The use of chitosan-based biomaterials for the treatment of hard-healing wounds. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2019 , 73, 768-781	0.3	1
5	Dendrimeric HIV-peptide delivery nanosystem affects lipid membranes structure. <i>Scientific Reports</i> , 2021 , 11, 16810	4.9	0
4	Thermoresponsive chimeric nanocarriers as drug delivery systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 208, 112141	6	0
3	Interaction of Cationic Carbosilane Dendrimers and Their siRNA Complexes with MCF-7 Cells Cultured in 3D Spheroids. <i>Cells</i> , 2022 , 11, 1697	7.9	0
2	Interactions of dendrimers and dendronized nanoparticles with proteins. <i>Vestsi Natsyianalknai Akademii Navuk Belarusi Seryia Biialahichnykh Navuk</i> , 2020 , 65, 497-509	0.2	

- 1 Glassy-like Metal Oxide Particles Embedded on Micrometer Thicker Alginate Films as Promising Wound Healing Nanomaterials. *International Journal of Molecular Sciences*, **2022**, 23, 5585

6.3