Katarzyna MiÅ‚owska

List of Publications by Year
in descending order

59 papers	1,437 citations	361388 20 h-index	345203 36 g-index
62 all docs	62 docs citations	62 times ranked	1744 citing authors

#	Article	IF	Citations
1	Spheroids as a Type of Three-Dimensional Cell Culturesâ€"Examples of Methods of Preparation and the Most Important Application. International Journal of Molecular Sciences, 2020, 21, 6225.	4.1	162
2	Dendrimers and hyperbranched structures for biomedical applications. European Polymer Journal, 2019, 119, 61-73.	5.4	98
3	How to study dendrimers and dendriplexes III. Biodistribution, pharmacokinetics and toxicity in vivo. Journal of Controlled Release, 2014, 181, 40-52.	9.9	93
4	Anticancer siRNA cocktails as a novel tool to treat cancer cells. Part (A). Mechanisms of interaction. International Journal of Pharmaceutics, 2015, 485, 261-269.	5.2	64
5	Viologen-Phosphorus Dendrimers Inhibit Î±-Synuclein Fibrillation. Molecular Pharmaceutics, 2013, 10, 1131-1137.	4.6	63
6	Phosphorus-containing dendrimers against Î±-synuclein fibril formation. International Journal of Biological Macromolecules, 2012, 50, 1138-1143.	7.5	56
7	Interaction between PAMAM-NH2 G4 dendrimer and 5-fluorouracil in aqueous solution. International Journal of Pharmaceutics, 2011, 408, 266-270.	5.2	55
8	PAMAM G4 dendrimers affect the aggregation of Î±-synuclein. International Journal of Biological Macromolecules, 2011, 48, 742-746.	7.5	52
9	Reactive oxygen species and DNA damage after ultrasound exposure. New Biotechnology, 2007, 24, 263-267.	2.7	48
10	Dendrimersâ€"revolutionary drugs for infectious diseases. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 469-491.	6.1	41
11	Carbosilane dendrimers inhibit Î±-synuclein fibrillation and prevent cells from rotenone-induced damage. International Journal of Pharmaceutics, 2015, 484, 268-275.	5.2	39
12	Phosphorylated Micro- and Nanocellulose-Filled Chitosan Nanocomposites as Fully Sustainable, Biologically Active Bioplastics. ACS Sustainable Chemistry and Engineering, 2020, 8, 18354-18365.	6.7	35
13	Mechanism of Cationic Phosphorus Dendrimer Toxicity against Murine Neural Cell Lines. Molecular Pharmaceutics, 2013, 10, 3484-3496.	4.6	33
14	Nanoparticle corona for proteins: mechanisms of interaction between dendrimers and proteins. Colloids and Surfaces B: Biointerfaces, 2015, 134, 377-383.	5.0	31
15	Chitosan-Functionalized Graphene Nanocomposite Films: Interfacial Interplay and Biological Activity. Materials, 2020, 13, 998.	2.9	31
16	Cytotoxic activity of genistein-8-C-glucoside form Lupinus luteus L. and genistein against human SK-OV-3 ovarian carcinoma cell line. Medicinal Chemistry Research, 2017, 26, 64-73.	2.4	28
17	Biological Activity of Mesoporous Dendrimer-Coated Titanium Dioxide: Insight on the Role of the Surfaceâ€"Interface Composition and the Framework Crystallinity. ACS Applied Materials & Interfaces, 2015, 7, 19994-20003.	8.0	27
18	Multi-Target Inhibition of Cancer Cell Growth by SiRNA Cocktails and 5-Fluorouracil Using Effective Piperidine-Terminated Phosphorus Dendrimers. Colloids and Interfaces, 2017, 1, 6.	2.1	26

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19	Synthesis, characterization and biological properties of new hybrid carbosilaneâ€“viologenâ€“phosphorus dendrimers. RSC Advances, 2015, 5, 25942-25958.	3.6	24
20	In vitro PAMAM, phosphorus and viologen-phosphorus dendrimers prevent rotenone-induced cell damage. International Journal of Pharmaceutics, 2014, 474, 42-49.	5.2	21
21	Haemolytic activity and cellular toxicity of SBA-15-type silicas: elucidating the role of the mesostructure, surface functionality and linker length. Journal of Materials Chemistry B, 2015, 3, 2714-2724.	5.8	21
22	Synergistic effect of ultrasound and phthalocyanines on nucleated erythrocytes in vitro. Ultrasound in Medicine and Biology, 2005, 31, 1707-1712.	1.5	20
23	Dendrimers complexed with HIV-1 peptides interact with liposomes and lipid monolayers. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 907-915.	2.6	20
24	Antimicrobial Effect of Chitosan Films on Food Spoilage Bacteria. International Journal of Molecular Sciences, 2021, 22, 5839.	4.1	20
25	Promising Low-Toxicity of Viologen-Phosphorus Dendrimers against Embryonic Mouse Hippocampal Cells. Molecules, 2013, 18, 12222-12240.	3.8	19
26	Viologen-phosphorus dendrimers exhibit minor toxicity against a murine neuroblastoma cell line. Cellular and Molecular Biology Letters, 2013, 18, 459-78.	7.0	18
27	Cytotoxicity of Î±-Pyrrolidinophenones: an Impact of Î±-Aliphatic Side-chain Length and Changes in the Plasma Membrane Fluidity. Neurotoxicity Research, 2018, 34, 613-626.	2.7	17
28	Enhancement of ultrasonically induced cell damage by phthalocyanines in vitro. Ultrasonics, 2008, 48, 724-730.	3.9	16
29	Interaction of Î±-synuclein with Rhus typhina tannin â€“ Implication for Parkinsonâ€™s disease. Colloids and Surfaces B: Biointerfaces, 2017, 155, 159-165.	5.0	16
30	Interference of cationic polymeric nanoparticles with clinical chemistry testsâ€”Clinical relevance. International Journal of Pharmaceutics, 2014, 473, 599-606.	5.2	15
31	Impact of mesoporous silica surface functionalization on human serum albumin interaction, cytotoxicity and antibacterial activity. Microporous and Mesoporous Materials, 2016, 231, 47-56.	4.4	15
32	Generation-dependent effect of PAMAM dendrimers on human insulin fibrillation and thermal stability. International Journal of Biological Macromolecules, 2016, 82, 54-60.	7.5	15
33	Effect of ultrasound on nucleated erythrocytes. Ultrasound in Medicine and Biology, 2005, 31, 129-134.	1.5	14
34	Oleochemicalâ€Tethered SBAâ€15â€Type Silicates with Tunable Nanoscopic Order, Carboxylic Surface, and Hydrophobic Framework: Cellular Toxicity, Hemolysis, and Antibacterial Activity. Chemistry - A European Journal, 2014, 20, 9596-9606.	3.3	14
35	Interaction of PAMAM dendrimers with bovine insulin depends on nanoparticle end-groups. Journal of Luminescence, 2015, 162, 87-91.	3.1	12
36	Cationic Carbosilane Dendrimers Prevent Abnormal Î±-Synuclein Accumulation in Parkinsonâ€™s Disease Patient-Specific Dopamine Neurons. Biomacromolecules, 2021, 22, 4582-4591.	5.4	12

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37	Interaction between viologen-phosphorus dendrimers and Î±-synuclein. Journal of Luminescence, 2013, 134, 132-137.	3.1	11
38	Hybrid phosphorusâ€“viologen dendrimers as new soft nanoparticles: design and properties. Organic Chemistry Frontiers, 2021, 8, 4607-4622.	4.5	11
39	Interaction of Cationic Carbosilane Dendrimers and Their siRNA Complexes with MCF-7 Cells. International Journal of Molecular Sciences, 2021, 22, 7097.	4.1	11
40	Interactions of free copper (II) ions alone or in complex with iron (III) ions with erythrocytes of marine fish Dicentrarchus labrax. Cell Biology International, 2009, 33, 941-948.	3.0	10
41	Interaction between dendrimers and regulatory proteins. Comparison of effects of carbosilane and carbosilaneâ€“viologenâ€“phosphorus dendrimers. RSC Advances, 2016, 6, 97546-97554.	3.6	10
42	Generation Dependent Effects and Entrance to Mitochondria of Hybrid Dendrimers on Normal and Cancer Neuronal Cells In Vitro. Biomolecules, 2020, 10, 427.	4.0	9
43	Insight into Factors Influencing Wound Healing Using Phosphorylated Cellulose-Filled-Chitosan Nanocomposite Films. International Journal of Molecular Sciences, 2021, 22, 11386.	4.1	9
44	Chimeric Stimuli-Responsive Liposomes as Nanocarriers for the Delivery of the Anti-Glioma Agent TRAM-34. International Journal of Molecular Sciences, 2021, 22, 6271.	4.1	7
45	Synthesis and Hemostatic Activity of New Amide Derivatives. Molecules, 2022, 27, 2271.	3.8	7
46	Biological Activity of Pentachlorophenol on the Digestive Gland Cells of the Freshwater Mussel Unio tumidus. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2003, 58, 867-872.	1.4	6
47	Evaluation of the Effect of Selected Brominated Flame Retardants on Human Serum Albumin and Human Erythrocyte Membrane Proteins. International Journal of Molecular Sciences, 2020, 21, 3926.	4.1	6
48	Thermodynamic Studies of Interactions between Sertraline Hydrochloride and Randomly Methylated Î²-Cyclodextrin Molecules Supported by Circular Dichroism Spectroscopy and Molecular Docking Results. International Journal of Molecular Sciences, 2021, 22, 12357.	4.1	6
49	Thermoresponsive chimeric nanocarriers as drug delivery systems. Colloids and Surfaces B: Biointerfaces, 2021, 208, 112141.	5.0	5
50	Influence of PAMAM dendrimers on the human insulin. AIP Conference Proceedings, 2015, , .	0.4	3
51	Dendrimeric HIV-peptide delivery nanosystem affects lipid membranes structure. Scientific Reports, 2021, 11, 16810.	3.3	3
52	The Interaction of Heptakis (2,6-di-O-Methyl)-Î²-cyclodextrin with Mianserin Hydrochloride and Its Influence on the Drug Toxicity. International Journal of Molecular Sciences, 2021, 22, 9419.	4.1	3
53	The use of chitosan-based biomaterials for the treatment of hard-healing wounds. Postepy Higieny I Medycyny Doswiadczalnej, 2019, 73, 768-781.	0.1	3
54	Glassy-like Metal Oxide Particles Embedded on Micrometer Thicker Alginate Films as Promising Wound Healing Nanomaterials. International Journal of Molecular Sciences, 2022, 23, 5585.	4.1	2

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55	Carbosilane dendrimers affect the fibrillation of Î±-synuclein. AIP Conference Proceedings, 2015, , .	0.4	1
56	Silver nanoparticles â€“ possible applications and threats. Acta Universitatis Lodziensis Folia Biologica Et Oecologica, 0, 17, 14-31.	1.0	1
57	Interaction of Cationic Carbosilane Dendrimers and Their siRNA Complexes with MCF-7 Cells Cultured in 3D Spheroids. Cells, 2022, 11, 1697.	4.1	1
58	Determination of the cytotoxicity of nanosilver coated with carbosilane dendrons against B14 cells. Acta Universitatis Lodziensis Folia Biologica Et Oecologica, 0, 17, 10-10.	1.0	0
59	Interactions of dendrimers and dendronized nanoparticles with proteins. Vestsi Natsyianal'nai Akademii Navuk Belarusi Seryia Biialahichnykh Navuk, 2020, 65, 497-509.	0.1	0