Elzbieta Pedziwiatr-Werbicka

List of Publications by Year
in descending order

35 papers	1,081 citations	331670 21 h-index	395702 33 g-index
35 all docs	35 docs citations	35 times ranked	1119 citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of surface modification of dendronized gold nanoparticles on activation and release of pyroptosis-inducing pro-inflammatory cytokines in presence of bacterial lipopolysaccharide in monocytes. Colloids and Surfaces B: Biointerfaces, 2022, 217, 112652.	5.0	3
2	Evaluation of dendronized gold nanoparticles as siRNAs carriers into cancer cells. Journal of Molecular Liquids, 2021, 324, 114726.	4.9	15
3	PEGylation of Dendronized Gold Nanoparticles Affects Their Interaction with Thrombin and siRNA. Journal of Physical Chemistry B, 2021, 125, 1196-1206.	2.6	8
4	Comparison of the effects of dendrimer, micelle and silver nanoparticles on phospholipase A2 structure. Journal of Biotechnology, 2021, 331, 48-52.	3.8	3
5	Prospects of Cationic Carbosilane Dendronized Gold Nanoparticles as Non-viral Vectors for Delivery of Anticancer siRNAs siBCL-xL and siMCL-1. Pharmaceutics, 2021, 13, 1549.	4.5	10
6	Dendronized Gold Nanoparticles as Carriers for gp160 (HIV-1) Peptides: Biophysical Insight into Complex Formation. Langmuir, 2021, 37, 1542-1550.	3.5	10
7	Effect of PEGylation on the biological properties of cationic carbosilane dendronized gold nanoparticles. International Journal of Pharmaceutics, 2020, 573, 118867.	5.2	9
8	Poly(lysine) Dendrimers Form Complexes with siRNA and Provide Its Efficient Uptake by Myeloid Cells: Model Studies for Therapeutic Nucleic Acid Delivery. International Journal of Molecular Sciences, 2020, 21, 3138.	4.1	38
9	Silver Nanoparticles Surface-Modified with Carbosilane Dendrons as Carriers of Anticancer siRNA. International Journal of Molecular Sciences, 2020, 21, 4647.	4.1	20
10	Nanoparticles in Combating Cancer: Opportunities and Limitations: A Brief Review. Current Medicinal Chemistry, 2020, 28, 346-359.	2.4	38
11	Dendrimers and hyperbranched structures for biomedical applications. European Polymer Journal, 2019, 119, 61-73.	5.4	98
12	Dendronization of gold nanoparticles decreases their effect on human alpha-1-microglobulin. International Journal of Biological Macromolecules, 2018, 108, 936-941.	7.5	10
13	Role of cationic carbosilane dendrons and metallic core of functionalized gold nanoparticles in their interaction with human serum albumin. International Journal of Biological Macromolecules, 2018, 118, 1773-1780.	7.5	13
14	Phosphorus Dendrimers as Vectors for Gene Therapy in Cancer. , 2018, , 227-244.		0
15	Dendrimer-protein interactions versus dendrimer-based nanomedicine. Colloids and Surfaces B: Biointerfaces, 2017, 152, 414-422.	5.0	42
16	Antibacterial and antifungal properties of dendronized silver and gold nanoparticles with cationic carbosilane dendrons. International Journal of Pharmaceutics, 2017, 528, 55-61.	5.2	45
17	Binding of poly(amidoamine), carbosilane, phosphorus and hybrid dendrimers to thrombinâ€"Constants and mechanisms. Colloids and Surfaces B: Biointerfaces, 2017, 155, 11-16.	5.0	9
18	Gold nanoparticles stabilized by cationic carbosilane dendrons: synthesis and biological properties. Dalton Transactions, 2017, 46, 8736-8745.	3.3	25

#	Article	IF	Citations
19	Original Multivalent Gold(III) and Dual Gold(III)â€“Copper(II) Conjugated Phosphorus Dendrimers as Potent Antitumoral and Antimicrobial Agents. Molecular Pharmaceutics, 2017, 14, 4087-4097.	4.6	54
20	Synthesis, characterization and biological properties of new hybrid carbosilaneâ€“viologenâ€“phosphorus dendrimers. RSC Advances, 2015, 5, 25942-25958.	3.6	24
21	Interaction of cationic carbosilane dendrimers and their complexes with siRNA with erythrocytes and red blood cell ghosts. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 882-889.	2.6	23
22	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
23	Novel â€˜SiCâ€™ carbosilane dendrimers as carriers for anti-HIV nucleic acids: Studies on complexation and interaction with blood cells. Colloids and Surfaces B: Biointerfaces, 2013, 109, 183-189.	5.0	40
24	Phosphorus Dendrimers as Carriers of siRNAâ€"Characterisation of Dendriplexes. Molecules, 2013, 18, 4451-4466.	3.8	40
25	Carbosilane Dendrimers are a Non-Viral Delivery System for Antisense Oligonucleotides: Characterization of Dendriplexes. Journal of Biomedical Nanotechnology, 2012, 8, 57-73.	1.1	34
26	siRNA carriers based on carbosilane dendrimers affect zeta potential and size of phospholipid vesicles. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2209-2216.	2.6	31
27	Carbosilane dendrimers NN8 and NN16 form a stable complex with siGAG1. Colloids and Surfaces B: Biointerfaces, 2011, 83, 388-391.	5.0	33
28	Characterization of complexes formed by polypropylene imine dendrimers and anti-HIV oligonucleotides. Colloids and Surfaces B: Biointerfaces, 2011, 83, 360-366.	5.0	33
29	Fourth Generation Phosphorus-Containing Dendrimers: Prospective Drug and Gene Delivery Carrier. Pharmaceutics, 2011, 3, 458-473.	4.5	46
30	Time Evolution of the Aggregation Process of Peptides Involved in Neurodegenerative Diseases and Preventing Aggregation Effect of Phosphorus Dendrimers Studied by EPR. Biomacromolecules, 2010, 11, 3014-3021.	5.4	35
31	How to study dendriplexes II: Transfection and cytotoxicity. Journal of Controlled Release, 2010, 141, 110-127.	9.9	72
32	How to study dendriplexes I: Characterization. Journal of Controlled Release, 2009, 135, 186-197.	9.9	83
33	Binding Properties of Water-Soluble Carbosilane Dendrimers. Journal of Fluorescence, 2009, 19, 267-275.	2.5	21
34	Analysis of Interaction between Dendriplexes and Bovine Serum Albumin. Biomacromolecules, 2007, 8, 2059-2062.	5.4	47
35	Water-soluble carbosilane dendrimers protect phosphorothioate oligonucleotides from binding to serum proteins. Organic and Biomolecular Chemistry, 2007, 5, 1886-1893.	2.8	55