

# Elzbieta Pedziwiatr-Werbicka

## List of Publications by Year in descending order

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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	Dendrimers and hyperbranched structures for biomedical applications. <i>European Polymer Journal</i> , 2019, 119, 61-73.	5.4	98
2	How to study dendriplexes I: Characterization. <i>Journal of Controlled Release</i> , 2009, 135, 186-197.	9.9	83
3	How to study dendriplexes II: Transfection and cytotoxicity. <i>Journal of Controlled Release</i> , 2010, 141, 110-127.	9.9	72
4	Water-soluble carbosilane dendrimers protect phosphorothioate oligonucleotides from binding to serum proteins. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1886-1893.	2.8	55
5	Original Multivalent Gold(III) and Dual Gold(III)â€Copper(II) Conjugated Phosphorus Dendrimers as Potent Antitumoral and Antimicrobial Agents. <i>Molecular Pharmaceutics</i> , 2017, 14, 4087-4097.	4.6	54
6	Analysis of Interaction between Dendriplexes and Bovine Serum Albumin. <i>Biomacromolecules</i> , 2007, 8, 2059-2062.	5.4	47
7	Fourth Generation Phosphorus-Containing Dendrimers: Prospective Drug and Gene Delivery Carrier. <i>Pharmaceutics</i> , 2011, 3, 458-473.	4.5	46
8	Antibacterial and antifungal properties of dendronized silver and gold nanoparticles with cationic carbosilane dendrons. <i>International Journal of Pharmaceutics</i> , 2017, 528, 55-61.	5.2	45
9	Dendrimer-protein interactions versus dendrimer-based nanomedicine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 414-422.	5.0	42
10	Novel â€SiCâ€™ carbosilane dendrimers as carriers for anti-HIV nucleic acids: Studies on complexation and interaction with blood cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 183-189.	5.0	40
11	Phosphorus Dendrimers as Carriers of siRNAâ€™Characterisation of Dendriplexes. <i>Molecules</i> , 2013, 18, 4451-4466.	3.8	40
12	Poly(lysine) Dendrimers Form Complexes with siRNA and Provide Its Efficient Uptake by Myeloid Cells: Model Studies for Therapeutic Nucleic Acid Delivery. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3138.	4.1	38
13	Nanoparticles in Combating Cancer: Opportunities and Limitations: A Brief Review. <i>Current Medicinal Chemistry</i> , 2020, 28, 346-359.	2.4	38
14	Time Evolution of the Aggregation Process of Peptides Involved in Neurodegenerative Diseases and Preventing Aggregation Effect of Phosphorus Dendrimers Studied by EPR. <i>Biomacromolecules</i> , 2010, 11, 3014-3021.	5.4	35
15	Carbosilane Dendrimers are a Non-Viral Delivery System for Antisense Oligonucleotides: Characterization of Dendriplexes. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 57-73.	1.1	34
16	Carbosilane dendrimers NN8 and NN16 form a stable complex with siGAG1. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 388-391.	5.0	33
17	Characterization of complexes formed by polypropylene imine dendrimers and anti-HIV oligonucleotides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 360-366.	5.0	33
18	siRNA carriers based on carbosilane dendrimers affect zeta potential and size of phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2209-2216.	2.6	31

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19	Gold nanoparticles stabilized by cationic carbosilane dendrons: synthesis and biological properties. Dalton Transactions, 2017, 46, 8736-8745.	3.3	25
20	Synthesis, characterization and biological properties of new hybrid carbosilane-“viologen”-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	Binding Properties of Water-Soluble Carbosilane Dendrimers. Journal of Fluorescence, 2009, 19, 267-275.	2.5	21
23	Silver Nanoparticles Surface-Modified with Carbosilane Dendrons as Carriers of Anticancer siRNA. International Journal of Molecular Sciences, 2020, 21, 4647.	4.1	20
24	Evaluation of dendronized gold nanoparticles as siRNAs carriers into cancer cells. Journal of Molecular Liquids, 2021, 324, 114726.	4.9	15
25	Oleochemical-“Tethered SBA-15”-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
26	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
27	Dendronization of gold nanoparticles decreases their effect on human alpha-1-microglobulin. International Journal of Biological Macromolecules, 2018, 108, 936-941.	7.5	10
28	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
29	Dendronized Gold Nanoparticles as Carriers for gp160 (HIV-1) Peptides: Biophysical Insight into Complex Formation. Langmuir, 2021, 37, 1542-1550.	3.5	10
30	Binding of poly(amidoamine), carbosilane, phosphorus and hybrid dendrimers to thrombin-“Constants and mechanisms. Colloids and Surfaces B: Biointerfaces, 2017, 155, 11-16.	5.0	9
31	Effect of PEGylation on the biological properties of cationic carbosilane dendronized gold nanoparticles. International Journal of Pharmaceutics, 2020, 573, 118867.	5.2	9
32	PEGylation of Dendronized Gold Nanoparticles Affects Their Interaction with Thrombin and siRNA. Journal of Physical Chemistry B, 2021, 125, 1196-1206.	2.6	8
33	Comparison of the effects of dendrimer, micelle and silver nanoparticles on phospholipase A2 structure. Journal of Biotechnology, 2021, 331, 48-52.	3.8	3
34	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
35	Phosphorus Dendrimers as Vectors for Gene Therapy in Cancer. , 2018, , 227-244.		0