

# Volha Dzmitruk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3636502/publications.pdf>

Version: 2024-02-01

20  
papers

675  
citations

759233

12  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

885  
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 dendrimers and dendriplexes III. Biodistribution, pharmacokinetics and toxicity in vivo. <i>Journal of Controlled Release</i> , 2014, 181, 40-52.	9.9	93
3	Dendrimers Show Promise for siRNA and microRNA Therapeutics. <i>Pharmaceutics</i> , 2018, 10, 126.	4.5	77
4	Anticancer siRNA cocktails as a novel tool to treat cancer cells. Part (B). Efficiency of pharmacological action. <i>International Journal of Pharmaceutics</i> , 2015, 485, 288-294.	5.2	71
5	Anticancer siRNA cocktails as a novel tool to treat cancer cells. Part (A). Mechanisms of interaction. <i>International Journal of Pharmaceutics</i> , 2015, 485, 261-269.	5.2	64
6	Hybrid metal-organic nanoflowers and their application in biotechnology and medicine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110354.	5.0	50
7	Dendrimer-protein interactions versus dendrimer-based nanomedicine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 414-422.	5.0	42
8	Novel $\text{Si}^{\text{TM}}$ 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
9	Nanoparticle corona for proteins: mechanisms of interaction between dendrimers and proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 377-383.	5.0	31
10	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.	2.1	26
11	Ruthenium dendrimers against acute promyelocytic leukemia: <i>in vitro</i> studies on HL-60 cells. <i>Future Medicinal Chemistry</i> , 2019, 11, 1741-1756.	2.3	14
12	Role of cationic carbosilane dendrons and metallic core of functionalized gold nanoparticles in their interaction with human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1773-1780.	7.5	13
13	A new application of inorganic sorbent for biomolecules: IMAC practice of Fe <sup>3+</sup> -nano flowers for DNA separation. <i>Materials Science and Engineering C</i> , 2020, 113, 111020.	7.3	13
14	Stability of Dendriplexes Formed by Anti-HIV Genetic Material and Poly(propylene imine) Dendrimers in the Presence of Glucosaminoglycans. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14525-14532.	2.6	11
15	Dendronization of gold nanoparticles decreases their effect on human alpha-1-microglobulin. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 936-941.	7.5	10
16	Prospects of Cationic Carbosilane Dendronized Gold Nanoparticles as Non-viral Vectors for Delivery of Anticancer siRNAs siBCL-xL and siMCL-1. <i>Pharmaceutics</i> , 2021, 13, 1549.	4.5	10
17	Immunoreactivity changes of human serum albumin and alpha-1-microglobulin induced by their interaction with dendrimers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 226-232.	5.0	4
18	First protein affinity application of Cu <sup>2+</sup> -bound pure inorganic nanoflowers. <i>Polymer Bulletin</i> , 2022, 79, 3233-3251.	3.3	4

#	ARTICLE	IF	CITATIONS
19	Comparison of the effects of dendrimer, micelle and silver nanoparticles on phospholipase A2 structure. <i>Journal of Biotechnology</i> , 2021, 331, 48-52.	3.8	3
20	Differences between Cu- and Fe <sup>2+</sup> -Cu nanoflowers in their interactions with fluorescent probes ANS and Fura-2 and proteins albumin and thrombin. <i>Polymer Bulletin</i> , 2022, 79, 5247-5259.	3.3	1