Victoria O Shipunova

List of Publications by Year in Descending Order

40 papers	564 citations	11 h-index	22 g-index
50 ext. papers	859 ext. citations	7.2 avg, IF	4.21 L-index

#	Paper	IF	Citations
40	Direct photoacoustic measurement of silicon nanoparticle degradation promoted by a polymer coating. *Chemical Engineering Journal*, **2022**, 430, 132860	14.7	4
39	Genetically encoded BRET-activated photodynamic therapy for the treatment of deep-seated tumors.. *Light: Science and Applications*, **2022**, 11, 38	16.7	2
38	Artificial Scaffold Polypeptides As an Efficient Tool for the Targeted Delivery of Nanostructures In Vitro and In Vivo.. *Acta Naturae*, **2022**, 14, 54-72	2.1	4
37	3D Models of Cellular Spheroids As a Universal Tool for Studying the Cytotoxic Properties of Anticancer Compounds In Vitro.. *Acta Naturae*, **2022**, 14, 92-100	2.1	1
36	Photothermal Therapy with HER2-Targeted Silver Nanoparticles Leading to Cancer Remission. *Pharmaceutics*, **2022**, 14, 1013	6.4	3
35	Label-free methods of multiparametric surface plasmon resonance and MPQ-cytometry for quantitative real-time measurements of targeted magnetic nanoparticles complexation with living cancer cells. *Materials Today Communications*, **2021**, 29, 102978	2.5	2
34	Antigen-Specific Stimulation and Expansion of CAR-T Cells Using Membrane Vesicles as Target Cell Surrogates. *Small*, **2021**, 17, e2102643	11	1
33	DARPin_9-29-Targeted Gold Nanorods Selectively Suppress HER2-Positive Tumor Growth in Mice. *Cancers*, **2021**, 13,	6.6	3
32	Comparative Evaluation of Engineered Polypeptide Scaffolds in HER2-Targeting Magnetic Nanocarrier Delivery. *ACS Omega*, **2021**, 6, 16000-16008	3.9	7
31	PLGA Nanoparticles Decorated with Anti-HER2 Affibody for Targeted Delivery and Photoinduced Cell Death. *Molecules*, **2021**, 26,	4.8	10
30	Laser-synthesized TiN nanoparticles for biomedical applications: Evaluation of safety, biodistribution and pharmacokinetics. *Materials Science and Engineering C*, **2021**, 120, 111717	8.3	23
29	Barnase encapsulation into submicron porous CaCO particles: studies of loading and enzyme activity. *Journal of Materials Chemistry B*, **2021**, 9, 8823-8831	7.3	3
28	Targeting Cancer Cell Tight Junctions Enhances PLGA-Based Photothermal SensitizersT Performance In Vitro and In Vivo.. *Pharmaceutics*, **2021**, 14,	6.4	3
27	Chemotherapeutic Agents Sensitize Resistant Cancer Cells to the DR5-Specific Variant DR5-B more Efficiently than to TRAIL by Modulating the Surface Expression of Death and Decoy Receptors. *Cancers*, **2020**, 12,	6.6	4
26	Enhancement of the blood-circulation time and performance of nanomedicines via the forced clearance of erythrocytes. *Nature Biomedical Engineering*, **2020**, 4, 717-731	19	54
25	Plants with genetically encoded autoluminescence. *Nature Biotechnology*, **2020**, 38, 944-946	44.5	41
24	Delivery of Barnase to Cells in Liposomes Functionalized by Her2-Specific DARPin Module. *Russian Journal of Bioorganic Chemistry*, **2020**, 46, 1156-1161	1	8

23	Dual Targeting of Cancer Cells with DARPin-Based Toxins for Overcoming Tumor Escape. *Cancers*, **2020**, 12,	6.6	19
22	Dual Regioselective Targeting the Same Receptor in Nanoparticle-Mediated Combination Immuno/Chemotherapy for Enhanced Image-Guided Cancer Treatment. *ACS Nano*, **2020**, 14, 12781-12795	16.7	20
21	Nanoparticle-based drug delivery via RBC-hitchhiking for the inhibition of lung metastases growth. *Nanoscale*, **2019**, 11, 1636-1646	7.7	81
20	Phase-Responsive Fourier Nanotransducers for Probing 2D Materials and Functional Interfaces. *Advanced Functional Materials*, **2019**, 29, 1902692	15.6	10
19	"Green" Synthesis of Cytotoxic Silver Nanoparticles Based on Secondary Metabolites of Lavandula Angustifolia Mill. *Acta Naturae*, **2019**, 11, 47-53	2.1	9
18	Self-assembling nanoparticles biofunctionalized with magnetite-binding protein for the targeted delivery to HER2/neu overexpressing cancer cells. *Journal of Magnetism and Magnetic Materials*, **2019**, 469, 450-455	2.8	16
17	A Highly Specific Substrate for NanoLUC Luciferase Furimazine Is Toxic in vitro and in vivo. *Russian Journal of Bioorganic Chemistry*, **2018**, 44, 225-228	1	10
16	Versatile Platform for Nanoparticle Surface Bioengineering Based on SiO-Binding Peptide and Proteinaceous Barnase*Barstar Interface. *ACS Applied Materials & Interfaces*, **2018**, 10, 17437-17447	9.5	31
15	Synthesis of Luminescent Magnetic Nanoparticles with Controllable Surface Properties **2018**,		1
14	Data on characterization of magnetic nanoparticles stabilized with fusion protein of Barstar and C-term part of Mms6. *Data in Brief*, **2018**, 21, 1659-1663	1.2	0
13	Synthesis of Magnetic Nanoparticles Stabilized by Magnetite-Binding Protein for Targeted Delivery to Cancer Cells. *Doklady Biochemistry and Biophysics*, **2018**, 481, 198-200	0.8	11
12	Synthesis and Characterization of Hybrid Core-Shell Fe3O4/SiO2 Nanoparticles for Biomedical Applications. *Acta Naturae*, **2017**, 9, 58-65	2.1	7
11	Synthesis and Characterization of Hybrid Core-Shell Fe3 O4 /SiO2 Nanoparticles for Biomedical Applications. *Acta Naturae*, **2017**, 9, 58-65	2.1	3
10	Synthesis and Characterization of Hybrid Core-Shell Fe3 O4 /SiO2 Nanoparticles for Biomedical Applications. *Acta Naturae*, **2017**, 9, 58-65	2.1	2
9	Synthesis and Characterization of Hybrid Core-Shell Fe3O4/SiO2 Nanoparticles for Biomedical Applications. *Acta Naturae*, **2017**, 9, 58-65	2.1	2
8	MPQ-cytometry: a magnetism-based method for quantification of nanoparticle-cell interactions. *Nanoscale*, **2016**, 8, 12764-72	7.7	39
7	A comprehensive study of interactions between lectins and glycoproteins for the development of effective theranostic nanoagents. *Doklady Biochemistry and Biophysics*, **2015**, 464, 315-8	0.8	10
6	Complexes of magnetic nanoparticles and scFv antibodies for targeting and visualizing cancer cells **2015**,		2

5	Biocomputing based on particle disassembly. *Nature Nanotechnology*, **2014**, 9, 716-22	28.7	97
4	Development of immunoassays using interferometric real-time registration of their kinetics. *Acta Naturae*, **2014**, 6, 85-95	2.1	3
3	Development of Immunoassays Using Interferometric Real-Time Registration of Their Kinetics. *Acta Naturae*, **2014**, 6, 85-95	2.1	13
2	Polyethyleneimine-coated magnetic nanoparticles for cell labeling and modification. *Doklady Biochemistry and Biophysics*, **2013**, 452, 245-7	0.8	0
1	Plants with self-sustained luminescence		3