Victoria O Shipunova

List of Publications by Year
in descending order

45 papers	1,066 citations	471509 17 h-index	434195 31 g-index
50 all docs	50 docs citations	50 times ranked	994 citing authors

#	Article	IF	Citations
1	Biocomputing based on particle disassembly. Nature Nanotechnology, 2014, 9, 716-722.	31.5	132
2	Nanoparticle-based drug delivery via RBC-hitchhiking for the inhibition of lung metastases growth. Nanoscale, 2019, 11, 1636-1646.	5.6	126
3	Enhancement of the blood-circulation time and performance of nanomedicines via the forced clearance of erythrocytes. Nature Biomedical Engineering, 2020, 4, 717-731.	22.5	103
4	Plants with genetically encoded autoluminescence. Nature Biotechnology, 2020, 38, 944-946.	17.5	89
5	MPQ-cytometry: a magnetism-based method for quantification of nanoparticleâ€“cell interactions. Nanoscale, 2016, 8, 12764-12772.	5.6	48
6	Laser-synthesized TiN nanoparticles for biomedical applications: Evaluation of safety, biodistribution and pharmacokinetics. Materials Science and Engineering C, 2021, 120, 111717.	7.3	44
7	Dual Regioselective Targeting the Same Receptor in Nanoparticle-Mediated Combination Immuno/Chemotherapy for Enhanced Image-Guided Cancer Treatment. ACS Nano, 2020, 14, 12781-12795.	14.6	43
8	Versatile Platform for Nanoparticle Surface Bioengineering Based on SiO₂-Binding Peptide and Proteinaceous Barnase*Barstar Interface. ACS Applied Materials & Interfaces, 2018, 10, 17437-17447.	8.0	40
9	Dual Targeting of Cancer Cells with DARPin-Based Toxins for Overcoming Tumor Escape. Cancers, 2020, 12, 3014.	3.7	34
10	Photothermal Therapy with HER2-Targeted Silver Nanoparticles Leading to Cancer Remission. Pharmaceutics, 2022, 14, 1013.	4.5	27
11	Genetically encoded BRET-activated photodynamic therapy for the treatment of deep-seated tumors. Light: Science and Applications, 2022, 11, 38.	16.6	26
12	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.	2.3	25
13	PLGA Nanoparticles Decorated with Anti-HER2 Affibody for Targeted Delivery and Photoinduced Cell Death. Molecules, 2021, 26, 3955.	3.8	25
14	Comparative Evaluation of Engineered Polypeptide Scaffolds in HER2-Targeting Magnetic Nanocarrier Delivery. ACS Omega, 2021, 6, 16000-16008.	3.5	23
15	Development of Immunoassays Using Interferometric Real-Time Registration of Their Kinetics. Acta Naturae, 2014, 6, 85-95.	1.7	22
16	A Highly Specific Substrate for NanoLUC Luciferase Furimazine Is Toxic in vitro and in vivo. Russian Journal of Bioorganic Chemistry, 2018, 44, 225-228.	1.0	20
17	Phaseâ€Responsive Fourier Nanotransducers for Probing 2D Materials and Functional Interfaces. Advanced Functional Materials, 2019, 29, 1902692.	14.9	18
18	Targeting Cancer Cell Tight Junctions Enhances PLGA-Based Photothermal Sensitizersâ€™ Performance In Vitro and In Vivo. Pharmaceutics, 2022, 14, 43.	4.5	18

#	Article	IF	Citations
19	Synthesis of Magnetic Nanoparticles Stabilized by Magnetite-Binding Protein for Targeted Delivery to Cancer Cells. Doklady Biochemistry and Biophysics, 2018, 481, 198-200.	0.9	17
20	Antigenâ€Specific Stimulation and Expansion of CARâ€T Cells Using Membrane Vesicles as Target Cell Surrogates. Small, 2021, 17, e2102643.	10.0	17
21	DARPin_9-29-Targeted Gold Nanorods Selectively Suppress HER2-Positive Tumor Growth in Mice. Cancers, 2021, 13, 5235.	3.7	17
22	Artificial Scaffold PolypeptidesAs an Efficient Tool for the Targeted Delivery of Nanostructures In Vitro and In Vivo. , 2022, 14, 54-72.		17
23	Delivery of Barnase to Cells in Liposomes Functionalized by Her2-Specific DARPin Module. Russian Journal of Bioorganic Chemistry, 2020, 46, 1156-1161.	1.0	16
24	A comprehensive study of interactions between lectins and glycoproteins for the development of effective theranostic nanoagents. Doklady Biochemistry and Biophysics, 2015, 464, 315-318.	0.9	14
25	â€œGreenâ€•Synthesis of Cytotoxic Silver Nanoparticles Based on Secondary Metabolites of Lavandula Angustifolia Mill.. Acta Naturae, 2019, 11, 47-53.	1.7	14
26	Direct photoacoustic measurement of silicon nanoparticle degradation promoted by a polymer coating. Chemical Engineering Journal, 2022, 430, 132860.	12.7	14
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, 1129.	3.7	9
28	Synthesis and Characterization of Hybrid Core-Shell Fe3O4/SiO2 Nanoparticles for Biomedical Applications. Acta Naturae, 2017, 9, 58-65.	1.7	8
29	Barnase encapsulation into submicron porous CaCO₃ particles: studies of loading and enzyme activity. Journal of Materials Chemistry B, 2021, 9, 8823-8831.	5.8	7
30	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.	1.9	7
31	3D Models of Cellular Spheroids As a Universal Tool for Studying the Cytotoxic Properties of Anticancer Compounds In Vitro. , 2022, 14, 92-100.		7
32	Effect of Surface Modification of Multifunctional Nanocomposite Drug Delivery Carriers with DARPin on Their Biodistribution In Vitro and In Vivo. ACS Applied Bio Materials, 0, , .	4.6	6
33	Synthesis of Luminescent Magnetic Nanoparticles with Controllable Surface Properties. , 2018, , .		5
34	Synthesis and Characterization of Hybrid Core-Shell Fe3O4/SiO2 Nanoparticles for Biomedical Applications. Acta Naturae, 2017, 9, 58-65.	1.7	5
35	Development of immunoassays using interferometric real-time registration of their kinetics. Acta Naturae, 2014, 6, 85-95.	1.7	5
36	Complexes of magnetic nanoparticles and scFv antibodies for targeting and visualizing cancer cells. , 2015, , .		3

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37	Synthesis and Characterization of Hybrid Core-Shell Fe3 O4 /SiO2 Nanoparticles for Biomedical Applications. Acta Naturae, 2017, 9, 58-65.	1.7	3
38	Polyethyleneimine-coated magnetic nanoparticles for cell labeling and modification. Doklady Biochemistry and Biophysics, 2013, 452, 245-247.	0.9	2
39	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.	1.0	2
40	Synthesis and Characterization of Hybrid Core-Shell Fe3 O4 /SiO2 Nanoparticles for Biomedical Applications. Acta Naturae, 2017, 9, 58-65.	1.7	2
41	Lectin-based nanoagents for specific cell labelling and optical visualization. , 2016, , .		0
42	A platform technology for the bioconjugation of nanoparticles in cancer theranostics. New Biotechnology, 2018, 44, S56.	4.4	0
43	Laser-generated titanium nitride nanoparticles for biomedical applications: Synthesis and comprehensive biological study. , 2021, , .		0
44	Fourier nanotransducers for phase-sensitive plasmonic biosensing. , 2020, , .		0
45	Plasmonic silver nanoparticles for theranostics of HER2-positive cancer. , 2020, , .		0