Ivan V Zelepukin

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Direct photoacoustic measurement of silicon nanoparticle degradation promoted by a polymer coating. Chemical Engineering Journal, 2022, 430, 132860.	12.7	14
2	CaCO ₃ Nanoparticles Coated with Alternating Layers of Poly-L-Arginine Hydrochloride and Fe ₃ O ₄ Nanoparticles as Navigable Drug Carriers and Hyperthermia Agents. ACS Applied Nano Materials, 2022, 5, 2994-3006.	5.0	17
3	Laser-Ablative Synthesis of Ultrapure Magneto-Plasmonic Core-Satellite Nanocomposites for Biomedical Applications. Nanomaterials, 2022, 12, 649.	4.1	16
4	Laser synthesis of nanomaterials for nuclear nanomedicine. , 2022, , .		0
5	Laser Synthesized Core-Satellite Fe-Au Nanoparticles for Multimodal In Vivo Imaging and In Vitro Photothermal Therapy. Pharmaceutics, 2022, 14, 994.	4.5	17
6	Macrophage blockade using nature-inspired ferrihydrite for enhanced nanoparticle delivery to tumor. International Journal of Pharmaceutics, 2022, 621, 121795.	5.2	4
7	Laser-ablative aqueous synthesis and characterization of elemental boron nanoparticles for biomedical applications. Scientific Reports, 2022, 12, .	3.3	14
8	Laser-synthesized TiN nanoparticles for biomedical applications: Evaluation of safety, biodistribution and pharmacokinetics. Materials Science and Engineering C, 2021, 120, 111717.	7.3	44
9	In vivo blockade of mononuclear phagocyte system with solid nanoparticles: Efficiency and affecting factors. Journal of Controlled Release, 2021, 330, 111-118.	9.9	44
10	PLGA Nanoparticles Decorated with Anti-HER2 Affibody for Targeted Delivery and Photoinduced Cell Death. Molecules, 2021, 26, 3955.	3.8	25
11	Long-Term Fate of Magnetic Particles in Mice: A Comprehensive Study. ACS Nano, 2021, 15, 11341-11357.	14.6	50
12	DARPin_9-29-Targeted Gold Nanorods Selectively Suppress HER2-Positive Tumor Growth in Mice. Cancers, 2021, 13, 5235.	3.7	17
13	Comparison of pharmacokinetics and biodistribution of laser-synthesized plasmonic Au and TiN nanoparticles. Journal of Physics: Conference Series, 2021, 2058, 012004.	0.4	2
14	MIL-53 (Al) metal-organic frameworks as potential drug carriers. Journal of Physics: Conference Series, 2021, 2058, 012015.	0.4	0
15	Synthesis of bismuth-based coordination polymer for biomedical applications. Journal of Physics: Conference Series, 2021, 2058, 012012.	0.4	0
16	Fast processes of nanoparticle blood clearance: Comprehensive study. Journal of Controlled Release, 2020, 326, 181-191.	9.9	46
17	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
18	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

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19	Spindle-like MRI-active europium-doped iron oxide nanoparticles with shape-induced cytotoxicity from simple and facile ferrihydrite crystallization procedure. RSC Advances, 2020, 10, 7301-7312.	3.6	14
20	Acoustic detection of nanoparticle structural stability in physiological media after their laser irradiation. , 2020, , .		0
21	Nanoparticle-based drug delivery <i>via</i> RBC-hitchhiking for the inhibition of lung metastases growth. Nanoscale, 2019, 11, 1636-1646.	5.6	126
22	Nuclear nanomedicine using Si nanoparticles as safe and effective carriers of 188Re radionuclide for cancer therapy. Scientific Reports, 2019, 9, 2017.	3.3	53
23	Magnetometry based method for investigation of nanoparticle clearance from circulation in a liver perfusion model. Nanotechnology, 2019, 30, 105101.	2.6	14
24	Versatile Platform for Nanoparticle Surface Bioengineering Based on SiO ₂ -Binding Peptide and Proteinaceous Barnase*Barstar Interface. ACS Applied Materials & Interfaces, 2018, 10, 17437-17447.	8.0	40
25	Synthesis of Luminescent Magnetic Nanoparticles with Controllable Surface Properties. , 2018, , .		5
26	Synthesis and Characterization of Hybrid Core-Shell Fe3 O4 /SiO2 Nanoparticles for Biomedical Applications. Acta Naturae, 2017, 9, 58-65.	1.7	3
27	Synthesis and Characterization of Hybrid Core-Shell Fe3 O4 /SiO2 Nanoparticles for Biomedical Applications. Acta Naturae, 2017, 9, 58-65.	1.7	2
28	Synthesis and Characterization of Hybrid Core-Shell Fe3O4/SiO2 Nanoparticles for Biomedical Applications. Acta Naturae, 2017, 9, 58-65.	1.7	5
29	Synthesis and Characterization of Hybrid Core-Shell Fe3O4/SiO2 Nanoparticles for Biomedical Applications. Acta Naturae, 2017, 9, 58-65.	1.7	8
30	Near infrared luminescent-magnetic nanoparticles for bimodal imaging in vivo. , 2016, , .		0
31	Synthesis of magnetic silica nanomarkers with controlled physicochemical properties. Doklady Biochemistry and Biophysics, 2016, 470, 335-337.	0.9	0
32	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