Anton L Popov

List of Publications by Year
in descending order

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34	604	567144 15	610775 24
papers	citations	h-index	g-index

37	37	37	710
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of weak alternating magnetic fields on planarian regeneration. Biochemical and Biophysical Research Communications, 2022, 592, 7-12.	1.0	5
2	Amorphous and crystalline cerium(<scp>iv</scp>) phosphates: biocompatible ROS-scavenging sunscreens. Journal of Materials Chemistry B, 2022, 10, 1775-1785.	2.9	3
3	CeO2 Nanoparticle-Containing Polymers for Biomedical Applications: A Review. Polymers, 2021, 13, 924.	2.0	67
4	Dose-Dependent Effects of Cold Atmospheric Argon Plasma on the Mesenchymal Stem and Osteosarcoma Cells In Vitro. International Journal of Molecular Sciences, 2021, 22, 6797.	1.8	15
5	Selective Radiosensitizing Effect of Amorphous Hafnia Modified with Organic Quantum Dots on Normal and Malignant Cells. Russian Journal of Inorganic Chemistry, 2021, 66, 931-937.	0.3	1
6	Bacterial Cellulose-Based Nanocomposites Containing Ceria and Their Use in the Process of Stem Cell Proliferation. Polymers, 2021, 13, 1999.	2.0	10
7	Biocompatible dextran-coated gadolinium-doped cerium oxide nanoparticles as MRI contrast agents with high T₁ relaxivity and selective cytotoxicity to cancer cells. Journal of Materials Chemistry B, 2021, 9, 6586-6599.	2.9	24
8	Planarians as an In Vivo Experimental Model for the Study of New Radioprotective Substances. Antioxidants, 2021, 10, 1763.	2.2	3
9	New facets of nanozyme activity of ceria: lipo- and phospholipoperoxidase-like behaviour of CeO₂ nanoparticles. RSC Advances, 2021, 11, 35351-35360.	1.7	17
10	Opposite effects of low intensity light of different wavelengths on the planarian regeneration rate. Journal of Photochemistry and Photobiology B: Biology, 2020, 202, 111714.	1.7	8
11	PVP-stabilized tungsten oxide nanoparticles: pH sensitive anti-cancer platform with high cytotoxicity. Materials Science and Engineering C, 2020, 108, 110494.	3.8	22
12	Ceria-Containing Hybrid Multilayered Microcapsules for Enhanced Cellular Internalisation with High Radioprotection Efficiency. Molecules, 2020, 25, 2957.	1.7	16
13	The first inorganic mitogens: Cerium oxide and cerium fluoride nanoparticles stimulate planarian regeneration via neoblastic activation. Materials Science and Engineering C, 2019, 104, 109924.	3.8	22
14	Highly Crystalline WO₃ Nanoparticles Are Nontoxic to Stem Cells and Cancer Cells. Journal of Nanomaterials, 2019, 2019, 1-13.	1.5	27
15	PVP-stabilized tungsten oxide nanoparticles inhibit proliferation of NCTC L929 mouse fibroblasts via induction of intracellular oxidative stress. Nanosystems: Physics, Chemistry, Mathematics, 2019, 10, 92-101.	0.2	2
16	PVP-stabilized tungsten oxide nanoparticles (WO3) nanoparticles cause hemolysis of human erythrocytes in a dose-dependent manner. Nanosystems: Physics, Chemistry, Mathematics, 2019, 10, 199-205.	0.2	3
17	Multicomponent Polysaccharide Essential Formula of Wound Healing Medicines Enriched with Fibroblast Growth Factor. International Journal of Biomedicine, 2019, 9, 247-250.	0.1	5
18	Ceria Nanoparticles-Decorated Microcapsules as a Smart Drug Delivery/Protective System: Protection of Encapsulated P. pyralis Luciferase. ACS Applied Materials & Interfaces, 2018, 10, 14367-14377.	4.0	39

#	Article	IF	Citations
19	Photo-induced toxicity of tungsten oxide photochromic nanoparticles. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 395-403.	1.7	35
20	Intracellular Delivery of Antioxidant CeO₂ Nanoparticles via Polyelectrolyte Microcapsules. ACS Biomaterials Science and Engineering, 2018, 4, 2453-2462.	2.6	42
21	Cytotoxicity analysis of gadolinium doped cerium oxide nanoparticles on human mesenchymal stem cells. Nanosystems: Physics, Chemistry, Mathematics, 2018, , 430-438.	0.2	2
22	Layer-by-layer capsules as smart delivery systems of CeO2 nanoparticle-based theranostic agents. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 282-289.	0.2	11
23	Cerium dioxide nanoparticles as third-generation enzymes (nanozymes). Nanosystems: Physics, Chemistry, Mathematics, 2017, , 760-781.	0.2	21
24	Facile fabrication of luminescent organic dots by thermolysis of citric acid in urea melt, and their use for cell staining and polyelectrolyte microcapsule labelling. Beilstein Journal of Nanotechnology, 2016, 7, 1905-1917.	1.5	35
25	Radioprotective effects of ultra-small citrate-stabilized cerium oxide nanoparticles in vitro and in vivo. RSC Advances, 2016, 6, 106141-106149.	1.7	54
26	Cerium oxide nanoparticles stimulate proliferation of primary mouse embryonic fibroblasts in vitro. Materials Science and Engineering C, 2016, 68, 406-413.	3.8	56
27	CITRATE-STABILIZED NANOPARTICLES OF CeO2 STIMULATE PROLIFERATION OF HUMAN MESENCHYMAL STEM CELLS IN VITRO. International Journal of Nanomechanics Science and Technology, 2016, 7, 235-246.	0.5	5
28	BIOSAFETY AND EFFECT OF NANOPARTICLES OF CeO2 ON METABOLIC AND PROLIFERATIVE ACTIVITY OF HUMAN MESENCHYMAL STEM CELLS IN VITRO. International Journal of Nanomechanics Science and Technology, 2016, 7, 165-175.	0.5	3
29	Study of CeO2 nanoparticle interactions with biological cells and lipid bilayers. Journal of Biological Physics and Chemistry, 2014, 14, 6-10.	0.1	2
30	One-stage synthesis of ceria colloid solutions for biomedical use. Doklady Chemistry, 2011, 437, 103-106.	0.2	29
31	Ce_{1-Ñ...}Gd_{Ñ...}O_y Nanoparticles Stimulate Proliferation of Dental Pulp Stem Cells <i>In Vitro</i>. Nano Hybrids and Composites, 0, 13, 26-31.	0.8	5
32	Cerium Oxide Nanoparticles Protect Primary Embryonic Mouse Fibroblasts from Oxidative Stress Induced by Low-Temperature Argon Plasma Treatment. Nano Hybrids and Composites, 0, 13, 294-300.	0.8	2
33	Cerium Oxide Nanoparticles are Nontoxic for Mouse Embryogenesis <i>In Vitro</i> and <i>In Vivo</i>. Nano Hybrids and Composites, 0, 13, 248-254.	0.8	5
34	Composite Cerium Oxide Nanoparticles - Containing Polysaccharide Hydrogel as Effective Agent for Burn Wound Healing. Key Engineering Materials, 0, 899, 493-505.	0.4	0