

Anton L Popov

List of Publications by Year in descending order

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papers

604
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567144

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37
times ranked

710
citing authors

#	ARTICLE	IF	CITATIONS
1	CeO ₂ Nanoparticle-Containing Polymers for Biomedical Applications: A Review. <i>Polymers</i> , 2021, 13, 924.	2.0	67
2	Cerium oxide nanoparticles stimulate proliferation of primary mouse embryonic fibroblasts in vitro. <i>Materials Science and Engineering C</i> , 2016, 68, 406-413.	3.8	56
3	Radioprotective effects of ultra-small citrate-stabilized cerium oxide nanoparticles in vitro and in vivo. <i>RSC Advances</i> , 2016, 6, 106141-106149.	1.7	54
4	Intracellular Delivery of Antioxidant CeO ₂ Nanoparticles via Polyelectrolyte Microcapsules. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2453-2462.	2.6	42
5	Ceria Nanoparticles-Decorated Microcapsules as a Smart Drug Delivery/Protective System: Protection of Encapsulated <i>P. pyralis</i> Luciferase. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14367-14377.	4.0	39
6	Facile fabrication of luminescent organic dots by thermolysis of citric acid in urea melt, and their use for cell staining and polyelectrolyte microcapsule labelling. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1905-1917.	1.5	35
7	Photo-induced toxicity of tungsten oxide photochromic nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 395-403.	1.7	35
8	One-stage synthesis of ceria colloid solutions for biomedical use. <i>Doklady Chemistry</i> , 2011, 437, 103-106.	0.2	29
9	Highly Crystalline WO ₃ Nanoparticles Are Nontoxic to Stem Cells and Cancer Cells. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-13.	1.5	27
10	Biocompatible dextran-coated gadolinium-doped cerium oxide nanoparticles as MRI contrast agents with high T ₁ relaxivity and selective cytotoxicity to cancer cells. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6586-6599.	2.9	24
11	The first inorganic mitogens: Cerium oxide and cerium fluoride nanoparticles stimulate planarian regeneration via neoblastic activation. <i>Materials Science and Engineering C</i> , 2019, 104, 109924.	3.8	22
12	PVP-stabilized tungsten oxide nanoparticles: pH sensitive anti-cancer platform with high cytotoxicity. <i>Materials Science and Engineering C</i> , 2020, 108, 110494.	3.8	22
13	Cerium dioxide nanoparticles as third-generation enzymes (nanozymes). <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2017, , 760-781.	0.2	21
14	New facets of nanozyme activity of ceria: lipo- and phospholipoperoxidase-like behaviour of CeO ₂ nanoparticles. <i>RSC Advances</i> , 2021, 11, 35351-35360.	1.7	17
15	Ceria-Containing Hybrid Multilayered Microcapsules for Enhanced Cellular Internalisation with High Radioprotection Efficiency. <i>Molecules</i> , 2020, 25, 2957.	1.7	16
16	Dose-Dependent Effects of Cold Atmospheric Argon Plasma on the Mesenchymal Stem and Osteosarcoma Cells In Vitro. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6797.	1.8	15
17	Layer-by-layer capsules as smart delivery systems of CeO ₂ nanoparticle-based theranostic agents. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2017, , 282-289.	0.2	11
18	Bacterial Cellulose-Based Nanocomposites Containing Ceria and Their Use in the Process of Stem Cell Proliferation. <i>Polymers</i> , 2021, 13, 1999.	2.0	10

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19	Opposite effects of low intensity light of different wavelengths on the planarian regeneration rate. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 202, 111714.	1.7	8
20	Ce_{1-x-y-z}Gd_xO_y Nanoparticles Stimulate Proliferation of Dental Pulp Stem Cells &iIn Vitro&i. <i>Nano Hybrids and Composites</i> , 0, 13, 26-31.	0.8	5
21	Cerium Oxide Nanoparticles are Nontoxic for Mouse Embryogenesis &iIn Vitro&i and &iIn Vivo&i. <i>Nano Hybrids and Composites</i> , 0, 13, 248-254.	0.8	5
22	CITRATE-STABILIZED NANOPARTICLES OF CeO2 STIMULATE PROLIFERATION OF HUMAN MESENCHYMAL STEM CELLS IN VITRO. <i>International Journal of Nanomechanics Science and Technology</i> , 2016, 7, 235-246.	0.5	5
23	Multicomponent Polysaccharide Essential Formula of Wound Healing Medicines Enriched with Fibroblast Growth Factor. <i>International Journal of Biomedicine</i> , 2019, 9, 247-250.	0.1	5
24	Effect of weak alternating magnetic fields on planarian regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2022, 592, 7-12.	1.0	5
25	PVP-stabilized tungsten oxide nanoparticles (WO3) nanoparticles cause hemolysis of human erythrocytes in a dose-dependent manner. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2019, 10, 199-205.	0.2	3
26	BIOSAFETY AND EFFECT OF NANOPARTICLES OF CeO2 ON METABOLIC AND PROLIFERATIVE ACTIVITY OF HUMAN MESENCHYMAL STEM CELLS IN VITRO. <i>International Journal of Nanomechanics Science and Technology</i> , 2016, 7, 165-175.	0.5	3
27	Planarians as an In Vivo Experimental Model for the Study of New Radioprotective Substances. <i>Antioxidants</i> , 2021, 10, 1763.	2.2	3
28	Amorphous and crystalline cerium(IV) phosphates: biocompatible ROS-scavenging sunscreens. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1775-1785.	2.9	3
29	Cerium Oxide Nanoparticles Protect Primary Embryonic Mouse Fibroblasts from Oxidative Stress Induced by Low-Temperature Argon Plasma Treatment. <i>Nano Hybrids and Composites</i> , 0, 13, 294-300.	0.8	2
30	PVP-stabilized tungsten oxide nanoparticles inhibit proliferation of NCTC L929 mouse fibroblasts via induction of intracellular oxidative stress. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2019, 10, 92-101.	0.2	2
31	Study of CeO2 nanoparticle interactions with biological cells and lipid bilayers. <i>Journal of Biological Physics and Chemistry</i> , 2014, 14, 6-10.	0.1	2
32	Cytotoxicity analysis of gadolinium doped cerium oxide nanoparticles on human mesenchymal stem cells. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2018, , 430-438.	0.2	2
33	Selective Radiosensitizing Effect of Amorphous Hafnia Modified with Organic Quantum Dots on Normal and Malignant Cells. <i>Russian Journal of Inorganic Chemistry</i> , 2021, 66, 931-937.	0.3	1
34	Composite Cerium Oxide Nanoparticles - Containing Polysaccharide Hydrogel as Effective Agent for Burn Wound Healing. <i>Key Engineering Materials</i> , 0, 899, 493-505.	0.4	0