Natalia Anisimova

List of Publications by Year
in descending order

85	1,204	331670 21	434195 31
papers	citations	h-index	g-index

89	89	89	1646
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shape memory effect in 3D-printed scaffolds for self-fitting implants. European Polymer Journal, 2017, 93, 222-231.	5.4	91
2	Biocompatibility and Physico-Chemical Properties of Highly Porous PLA/HA Scaffolds for Bone Reconstruction. Polymers, 2020, 12, 2938.	4.5	63
3	Trans-, cis-, and dihydro-resveratrol: a comparative study. Chemistry Central Journal, 2011, 5, 88.	2.6	61
4	Multilayer porous UHMWPE scaffolds for bone defects replacement. Materials Science and Engineering C, 2017, 73, 366-372.	7.3	56
5	Biomineralization, dissolution and cellular studies of silicate bioceramics prepared from eggshell and rice husk. Materials Science and Engineering C, 2021, 118, 111456.	7.3	43
6	Cloning, expression and characterization of the recombinant Yersinia pseudotuberculosis l-asparaginase. Protein Expression and Purification, 2012, 82, 150-154.	1.3	40
7	UHMWPE-based nanocomposite as a material for damaged cartilage replacement. Materials Science and Engineering C, 2015, 48, 566-571.	7.3	39
8	Strength, corrosion resistance, and biocompatibility of ultrafine-grained Mg alloys after different modes of severe plastic deformation. IOP Conference Series: Materials Science and Engineering, 2017, 194, 012004.	0.6	33
9	Polyhydroxybutyrate/Hydroxyapatite Highly Porous Scaffold for Small Bone Defects Replacement in the Nonload-bearing Parts. Journal of Bionic Engineering, 2017, 14, 648-658.	5.0	33
10	Recombinant <scp>l</scp>â€phenylalanine ammonia lyase from Rhodosporidium toruloides as a potential anticancer agent. Biotechnology and Applied Biochemistry, 2013, 60, 316-322.	3.1	32
11	Selective Ruthenium Labeling of the Tryptophan Residue in the Bee Venom Peptide Melittin. Chemistry - A European Journal, 2015, 21, 4923-4925.	3.3	30
12	Biocompatible polymer composites based on ultrahigh molecular weight polyethylene perspective for cartilage defects replacement. Journal of Alloys and Compounds, 2014, 586, S544-S547.	5.5	27
13	Biomimetic UHMWPE/HA scaffolds with rhBMP-2 and erythropoietin for reconstructive surgery. Materials Science and Engineering C, 2020, 111, 110750.	7.3	27
14	Dihydro-resveratrolâ€”A potent dietary polyphenol. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6149-6151.	2.2	25
15	Ag- and Cu-doped multifunctional bioactive nanostructured TiCaPCON films. Applied Surface Science, 2013, 285, 331-343.	6.1	25
16	Features of in vitro and in vivo behaviour of magnesium alloy WE43. Materials Letters, 2018, 215, 308-311.	2.6	25
17	Mechanical Properties, Biodegradation, and Biocompatibility of Ultrafine Grained Magnesium Alloy WE43. Materials, 2019, 12, 3627.	2.9	25
18	Fucoidans as a platform for new anticoagulant drugs discovery. Pure and Applied Chemistry, 2014, 86, 1365-1375.	1.9	24

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19	Influence of Modified Fucoidan and Related Sulfated Oligosaccharides on Hematopoiesis in Cyclophosphamide-Induced Mice. Marine Drugs, 2018, 16, 333.	4.6	24
20	Cytotoxicity of biodegradable magnesium alloy WE43 to tumor cells in vitro: Bioresorbable implants with antitumor activity?. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 167-173.	3.4	24
21	Fucoidan and Fucosylated Chondroitin Sulfate Stimulate Hematopoiesis in Cyclophosphamide-Induced Mice. Marine Drugs, 2017, 15, 301.	4.6	23
22	Long-Term Creep and Impact Strength of Biocompatible 3D-Printed PLA-Based Scaffolds. Nano Hybrids and Composites, 0, 13, 15-20.	0.8	21
23	The Effect of Equal-Channel Angular Pressing on the Microstructure, the Mechanical and Corrosion Properties and the Anti-Tumor Activity of Magnesium Alloyed with Silver. Materials, 2019, 12, 3832.	2.9	20
24	Improving the property profile of a bioresorbable Mg-Y-Nd-Zr alloy by deformation treatments. Materialia, 2020, 13, 100841.	2.7	20
25	Synthesis and Biological Evaluation of Pyrazoline and Pyrrolidineâ€2,5â€dione Hybrids as Potential Antitumor Agents. ChemMedChem, 2020, 15, 1813-1825.	3.2	20
26	Pharmacophore hybridization approach to discover novel pyrazoline-based hydantoin analogs with anti-tumor efficacy. Bioorganic Chemistry, 2021, 107, 104527.	4.1	20
27	Recombinant intracellular Rhodospirillum rubrum L-asparaginase with low L-glutaminase activity and antiproliferative effect. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2012, 6, 123-131.	0.4	18
28	Structure, mechanical characteristics, biodegradation, and in vitro cytotoxicity of magnesium alloy ZX11 processed by rotary swaging. Journal of Magnesium and Alloys, 2020, 8, 1038-1046.	11.9	18
29	Fabrication method, structure, mechanical, and biological properties of decellularized extracellular matrix for replacement of wide bone tissue defects. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 49, 255-268.	3.1	17
30	Immune Pathogenesis of COVID-19 Intoxication: Storm or Silence?. Pharmaceuticals, 2020, 13, 166.	3.8	16
31	Influence of fucoidans and their derivatives on antitumor and phagocytic activity of human blood leucocytes. Biochemistry (Moscow), 2015, 80, 925-933.	1.5	15
32	Recent progress in the field of multicomponent bioactive nanostructured films. RSC Advances, 2013, 3, 11107.	3.6	14
33	Two approaches to form antibacterial surface: Doping with bactericidal element and drug loading. Applied Surface Science, 2015, 330, 339-350.	6.1	14
34	Methionine gamma lyase from Clostridium sporogenes increases the anticancer effect of doxorubicin in A549 cells and human cancer xenografts. Investigational New Drugs, 2019, 37, 201-209.	2.6	14
35	Chondroitin Sulfate and Fucosylated Chondroitin Sulfate as Stimulators of Hematopoiesis in Cyclophosphamide-Induced Mice. Pharmaceuticals, 2021, 14, 1074.	3.8	14
36	Synthesis of amino acid esters of the ruthenium naphthalene complex [(C5Me4CH2OH)Ru(C10H8)]+. Inorganica Chimica Acta, 2014, 409, 390-393.	2.4	13

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37	Severe Plastic Deformation and Phase Transformations in High Entropy Alloys: A Review. Crystals, 2022, 12, 54.	2.2	13
38	The influence of ultrafineâ€grained structure on the mechanical properties and biocompatibility of austenitic stainless steels. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1460-1468.	3.4	11
39	Depolymerization of a fucosylated chondroitin sulfate from Cucumaria japonica: Structure and activity of the product. Carbohydrate Polymers, 2022, 281, 119072.	10.2	11
40	The Effect of Equal-Channel Angular Pressing on Microstructure, Mechanical Properties, and Biodegradation Behavior of Magnesium Alloyed with Silver and Gadolinium. Crystals, 2020, 10, 918.	2.2	10
41	Rationale for Processing of a Mg-Zn-Ca Alloy by Equal-Channel Angular Pressing for Use in Biodegradable Implants for Osteoreconstruction. Crystals, 2021, 11, 1381.	2.2	10
42	Optimization of a Method for Preparation and Repopulation of the Tracheal Matrix for Allogenic Transplantation. Bulletin of Experimental Biology and Medicine, 2011, 151, 107-113.	0.8	8
43	Anti-tumour activity of Mg-6%Ag and Mg-10%Gd alloys in mice with inoculated melanoma. Materials Science and Engineering C, 2021, 130, 112464.	7.3	8
44	Selective Cytokine-Inducing Effects of Low Dose Echinacea. Bulletin of Experimental Biology and Medicine, 2011, 150, 711-713.	0.8	7
45	Bioinformatic search for cellulose synthase genes in flax (Linum usitatissimum) and their phylogenetic analysis. Cytology and Genetics, 2015, 49, 279-287.	0.5	7
46	The fabrication and characterization of bioengineered ultra-high molecular weight polyethylene-collagen-hap hybrid bone-cartilage patch. Materials Today Communications, 2020, 24, 101052.	1.9	7
47	In Vitro Effect of Knotolan, a New Lignan from Abies sibirica, on the Growth of Hormone-Dependent Breast Cancer Cells. Bulletin of Experimental Biology and Medicine, 2010, 149, 511-514.	0.8	6
48	Impregnation of Ultrahigh-Molecular-Weight Polyethylene with Amoxicillin in Subcritical Freon R22 Media. Russian Journal of Physical Chemistry B, 2017, 11, 1215-1222.	1.3	6
49	Biodegradable Magnesium Alloys as Promising Materials for Medical Applications (Review). Sovremennye Tehnologii V Medicine, 2019, 11, 146.	1.1	6
50	Distribution and variation of the amphipod fauna (Crustacea, Amphipoda) in the Kola Section (Barents) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	5
51	Prospects for the application of biporous sorbents based on hypercrosslinked styrene polymers for the prevention and treatment of systemic purulent-septic complications. Nanotechnologies in Russia, 2012, 7, 318-326.	0.7	5
52	Impregnation of Ultra-High-Density Polyethylene with Unsymmetrical Disulfides in Subcritical Freon Media. Russian Journal of Physical Chemistry B, 2017, 11, 1173-1179.	1.3	5
53	Biomimetic scaffold fabricated with a mammalian trabecular bone template. Polymer Degradation and Stability, 2020, 172, 109076.	5.8	5
54	Optical Properties of Stabilized ZnO Nanoparticles, Perspective for UV-Protection in Sunscreens. Current Nanoscience, 2015, 11, 354-359.	1.2	5

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55	Dynamics of Elimination of Bacterial Endotoxins and Cytokines from the Blood of Tumor Patients with Sepsis in Hemoperfusion using Carbon Adsorbents. Bulletin of Experimental Biology and Medicine, 2011, 151, 622-624.	0.8	4
56	Effect of Co-incubation with Mesenchymal Stromal Cells in Cultural Medium on Structure and Mechanical Properties of Polylactide-Based Scaffolds. BioNanoScience, 2017, 7, 712-717.	3.5	4
57	Î²-Ti-Based Alloys for Medical Applications. Russian Journal of Non-Ferrous Metals, 2021, 62, 54-63.	0.6	4
58	Biocompatible Synthetic Tracheal Matrices Based on Polymer Ultra-Fibrous Materials Colonized by Mesenchymal Multipotent Cells. Sovremennye Tehnologii V Medicine, 2016, 8, 6-13.	1.1	4
59	Sterilization of a porous ultrahigh-molecular-weight polyethylene in supercritical Freons. Russian Journal of Physical Chemistry B, 2016, 10, 1264-1268.	1.3	3
60	A Combination of Muramylpeptides from Gram-Negative Bacteria Corrects Hematological and Immunological Disorders Induced by Cyclophosphamide. Bulletin of Experimental Biology and Medicine, 2019, 167, 371-374.	0.8	3
61	Methionine Gamma Lyase from Clostridium sporogenes Increases the Anticancer Efficacy of Doxorubicin on A549 Cancer Cells In Vitro and Human Cancer Xenografts. Methods in Molecular Biology, 2019, 1866, 243-261.	0.9	3
62	Effect of hyperthermia on the viability and proliferative activity of tumor cells. Russian Journal of Oncology, 2016, 21, 250-252.	0.1	3
63	Possibility of Microorganism Elimination from the Blood Using Modified Coal Hemosorbents. Bulletin of Experimental Biology and Medicine, 2011, 151, 273-274.	0.8	2
64	Silver Nanoparticles Modification of Ultra High Molecular Weight Polyethylene in Non-Aqueous Medium. Oriental Journal of Chemistry, 2016, 32, 3089-3097.	0.3	2
65	Antibacterial Activity of Hybrid Polymeric Scaffold for Reconstruction of Tubular Bone Defects. Bulletin of Experimental Biology and Medicine, 2019, 168, 58-61.	0.8	2
66	Effect of rotary swaging and subsequent aging on the implant-relevant properties of magnesium alloy WE43. Journal of Physics: Conference Series, 2020, 1688, 012006.	0.4	2
67	Elimination of cytokine and soluble cytokine receptors by carbon sorbents from blood. Critical Care, 2010, 14, P52.	5.8	1
68	908 Yersinia Pseudotuberculosis L-asparaginase â€“ a Promising New Chemotherapeutic Agent. European Journal of Cancer, 2012, 48, S219-S220.	2.8	1
69	Influence of equal-channel angular pressing on the functional characteristics of biodegradable Fe-based alloys. Journal of Physics: Conference Series, 2020, 1688, 012009.	0.4	1
70	Alsevirone-NF Reduces Serum Testosterone and Inhibits Prostate Cancer Xenograft Growth in Balb/c Nude Mice. Clinical Cancer Drugs, 2020, 7, 113-118.	0.3	1
71	Modification of Biocorrosion and Cellular Response of Magnesium Alloy WE43 by Multiaxial Deformation. Metals, 2022, 12, 105.	2.3	1
72	Clinical experience with lipopolysaccharide adsorber in cancer patients with severe sepsis and septic shock. Critical Care, 2010, 14, P409.	5.8	0

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73	Cytotoxic Activity of Peripheral Blood Mononuclear Leukocytes, Activated by Interleukin-2/Î²-Cyclodextrin Nanocomposition against Androgen Receptor-Negative Prostate Cancers. ISRN Oncology, 2011, 2011, 1-7.	2.1	0
74	Immunological Pathogenesis of Septic Reactions and Elimination of Triggers and Mediators of Inflammation. , 0, , .		0
75	Recent Progress in the Field of Multicomponent Biocompatible Nanostructured Films. Key Engineering Materials, 2013, 587, 263-268.	0.4	0
76	Cytotoxic and apoptotic effects of new CYP17A1 inhibitor in prostate cancer cell lines. European Urology Supplements, 2019, 18, e3103.	0.1	0
77	A New Approach Based on Glued Multi-Ultra High Molecular Weight Polyethylene Forms to Fabricate Bone Replacement Products. Polymers, 2020, 12, 2545.	4.5	0
78	THE EFFECT OF MULTIAXIAL DEFORMATION ON THE DYNAMICS OF BIODEGRADATION AND CELL COLONIZATION OF ALLOY WE43. , 2021, 20, 76-84.	0.3	0
79	Morphological and Functional Characteristics of Serous Cavities. , 2012, , 1-10.		0
80	Pathogenesis of Malignant Effusions. , 2012, , 11-21.		0
81	Investigation of the properties of TiCaPCON-based nanostructured coating being bioimplant constituent. Frontiers in Immunology, 0, 4, .	4.8	0
82	Role of tumor-like multipotent mesenchymal stromal cells in rheumatoid arthritis. , 2017, 16, 21-23.	0.3	0
83	ROLE OF MESENCHYMAL MULTIPOTENT STROMAL CELLS IN REMODELING OF BONE DEFECTS. Medical Immunology (Russia), 2018, 20, 515-522.	0.4	0
84	Experimental Basis for Optimal Regimnes of Hyperthermic Peritoneal Chemotherapy. , 2019, , 91-100.		0
85	In vitro Biodegradation of Resorbable Magnesium Alloys Promising for Implant Development. Sovremennye Tehnologii V Medicine, 2020, 12, 47.	1.1	0