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	Depolymerization of a fucosylated chondroitin sulfate from Cucumaria japonica: Structure and activity of the product. Carbohydrate Polymers, 2022, 281, 119072.	10.2	11
2	Modification of Biocorrosion and Cellular Response of Magnesium Alloy WE43 by Multiaxial Deformation. Metals, 2022, 12, 105.	2.3	1
3	Severe Plastic Deformation and Phase Transformations in High Entropy Alloys: A Review. Crystals, 2022, 12, 54.	2.2	13
4	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
5	Pharmacophore hybridization approach to discover novel pyrazoline-based hydantoin analogs with anti-tumor efficacy. Bioorganic Chemistry, 2021, 107, 104527.	4.1	20
6	Î²-Ti-Based Alloys for Medical Applications. Russian Journal of Non-Ferrous Metals, 2021, 62, 54-63.	0.6	4
7	THE EFFECT OF MULTIAXIAL DEFORMATION ON THE DYNAMICS OF BIODEGRADATION AND CELL COLONIZATION OF ALLOY WE43. , 2021, 20, 76-84.	0.3	0
8	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
9	Chondroitin Sulfate and Fucosylated Chondroitin Sulfate as Stimulators of Hematopoiesis in Cyclophosphamide-Induced Mice. Pharmaceuticals, 2021, 14, 1074.	3.8	14
10	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
11	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
12	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
13	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
14	Immune Pathogenesis of COVID-19 Intoxication: Storm or Silence?. Pharmaceuticals, 2020, 13, 166.	3.8	16
15	Improving the property profile of a bioresorbable Mg-Y-Nd-Zr alloy by deformation treatments. Materialia, 2020, 13, 100841.	2.7	20
16	Synthesis and Biological Evaluation of Pyrazoline and Pyrrolidineâ€2,5â€dione Hybrids as Potential Antitumor Agents. ChemMedChem, 2020, 15, 1813-1825.	3.2	20
17	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
18	Biocompatibility and Physico-Chemical Properties of Highly Porous PLA/HA Scaffolds for Bone Reconstruction. Polymers, 2020, 12, 2938.	4.5	63

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19	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
20	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
21	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
22	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
23	Biomimetic scaffold fabricated with a mammalian trabecular bone template. Polymer Degradation and Stability, 2020, 172, 109076.	5.8	5
24	Biomimetic UHMWPE/HA scaffolds with rhBMP-2 and erythropoietin for reconstructive surgery. Materials Science and Engineering C, 2020, 111, 110750.	7.3	27
25	In vitro Biodegradation of Resorbable Magnesium Alloys Promising for Implant Development. Sovremennye Tehnologii V Medicine, 2020, 12, 47.	1.1	0
26	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
27	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
28	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
29	Cytotoxic and apoptotic effects of new CYP17A1 inhibitor in prostate cancer cell lines. European Urology Supplements, 2019, 18, e3103.	0.1	0
30	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
31	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
32	Mechanical Properties, Biodegradation, and Biocompatibility of Ultrafine Grained Magnesium Alloy WE43. Materials, 2019, 12, 3627.	2.9	25
33	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
34	Biodegradable Magnesium Alloys as Promising Materials for Medical Applications (Review). Sovremennye Tehnologii V Medicine, 2019, 11, 146.	1.1	6
35	Experimental Basis for Optimal Regimnes of Hyperthermic Peritoneal Chemotherapy. , 2019, , 91-100.		0
36	Features of in vitro and in vivo behaviour of magnesium alloy WE43. Materials Letters, 2018, 215, 308-311.	2.6	25

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37	Influence of Modified Fucoidan and Related Sulfated Oligosaccharides on Hematopoiesis in Cyclophosphamide-Induced Mice. Marine Drugs, 2018, 16, 333.	4.6	24
38	ROLE OF MESENCHYMAL MULTIPOTENT STROMAL CELLS IN REMODELING OF BONE DEFECTS. Medical Immunology (Russia), 2018, 20, 515-522.	0.4	0
39	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
40	Multilayer porous UHMWPE scaffolds for bone defects replacement. Materials Science and Engineering C, 2017, 73, 366-372.	7.3	56
41	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
42	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
43	Shape memory effect in 3D-printed scaffolds for self-fitting implants. European Polymer Journal, 2017, 93, 222-231.	5.4	91
44	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
45	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
46	Fucoidan and Fucosylated Chondroitin Sulfate Stimulate Hematopoiesis in Cyclophosphamide-Induced Mice. Marine Drugs, 2017, 15, 301.	4.6	23
47	Role of tumor-like multipotent mesenchymal stromal cells in rheumatoid arthritis. , 2017, 16, 21-23.	0.3	0
48	Silver Nanoparticles Modification of Ultra High Molecular Weight Polyethylene in Non-Aqueous Medium. Oriental Journal of Chemistry, 2016, 32, 3089-3097.	0.3	2
49	Sterilization of a porous ultrahigh-molecular-weight polyethylene in supercritical Freons. Russian Journal of Physical Chemistry B, 2016, 10, 1264-1268.	1.3	3
50	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
51	Effect of hyperthermia on the viability and proliferative activity of tumor cells. Russian Journal of Oncology, 2016, 21, 250-252.	0.1	3
52	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
53	Selective Ruthenium Labeling of the Tryptophan Residue in the Bee Venom Peptide Melittin. Chemistry - A European Journal, 2015, 21, 4923-4925.	3.3	30
54	Two approaches to form antibacterial surface: Doping with bactericidal element and drug loading. Applied Surface Science, 2015, 330, 339-350.	6.1	14

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55	Influence of fucoidans and their derivatives on antitumor and phagocytic activity of human blood leucocytes. Biochemistry (Moscow), 2015, 80, 925-933.	1.5	15
56	Bioinformatic search for cellulose synthase genes in flax (Linum usitatissimum) and their phylogenetic analysis. Cytology and Genetics, 2015, 49, 279-287.	0.5	7
57	UHMWPE-based nanocomposite as a material for damaged cartilage replacement. Materials Science and Engineering C, 2015, 48, 566-571.	7.3	39
58	Optical Properties of Stabilized ZnO Nanoparticles, Perspective for UV-Protection in Sunscreens. Current Nanoscience, 2015, 11, 354-359.	1.2	5
59	Fucoidans as a platform for new anticoagulant drugs discovery. Pure and Applied Chemistry, 2014, 86, 1365-1375.	1.9	24
60	Synthesis of amino acid esters of the ruthenium naphthalene complex [(C5Me4CH2OH)Ru(C10H8)]+. Inorganica Chimica Acta, 2014, 409, 390-393.	2.4	13
61	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
62	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
63	Ag- and Cu-doped multifunctional bioactive nanostructured TiCaPCON films. Applied Surface Science, 2013, 285, 331-343.	6.1	25
64	Recent progress in the field of multicomponent bioactive nanostructured films. RSC Advances, 2013, 3, 11107.	3.6	14
65	Recent Progress in the Field of Multicomponent Biocompatible Nanostructured Films. Key Engineering Materials, 2013, 587, 263-268.	0.4	0
66	908 Yersinia Pseudotuberculosis L-asparaginase â€“ a Promising New Chemotherapeutic Agent. European Journal of Cancer, 2012, 48, S219-S220.	2.8	1
67	Cloning, expression and characterization of the recombinant Yersinia pseudotuberculosis l-asparaginase. Protein Expression and Purification, 2012, 82, 150-154.	1.3	40
68	Distribution and variation of the amphipod fauna (Crustacea, Amphipoda) in the Kola Section (Barents) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	5
69	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
70	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
71	Morphological and Functional Characteristics of Serous Cavities. , 2012, , 1-10.		0
72	Pathogenesis of Malignant Effusions. , 2012, , 11-21.		0

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73	Trans-, cis-, and dihydro-resveratrol: a comparative study. Chemistry Central Journal, 2011, 5, 88.	2.6	61
74	Selective Cytokine-Inducing Effects of Low Dose Echinacea. Bulletin of Experimental Biology and Medicine, 2011, 150, 711-713.	0.8	7
75	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
76	Possibility of Microorganism Elimination from the Blood Using Modified Coal Hemosorbents. Bulletin of Experimental Biology and Medicine, 2011, 151, 273-274.	0.8	2
77	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
78	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
79	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
80	Dihydro-resveratrolâ€"A potent dietary polyphenol. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6149-6151.	2.2	25
81	Clinical experience with lipopolysaccharide adsorber in cancer patients with severe sepsis and septic shock. Critical Care, 2010, 14, P409.	5.8	0
82	Elimination of cytokine and soluble cytokine receptors by carbon sorbents from blood. Critical Care, 2010, 14, P52.	5.8	1
83	Immunological Pathogenesis of Septic Reactions and Elimination of Triggers and Mediators of Inflammation. , 0, , .		0
84	Long-Term Creep and Impact Strength of Biocompatible 3D-Printed PLA-Based Scaffolds. Nano Hybrids and Composites, 0, 13, 15-20.	0.8	21
85	Investigation of the properties of TiCaPCON-based nanostructured coating being bioimplant constituent. Frontiers in Immunology, 0, 4, .	4.8	0