Yury A Skorik

List of Publications by Year
in descending order

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92	2,103	172207	276539
papers	citations	29 h-index	41 g-index

92	92	92	2096
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Encapsulation of Plant Biocontrol Bacteria with Alginate as a Main Polymer Material. International Journal of Molecular Sciences, 2021, 22, 11165.	1.8	94
2	Polysaccharides in Ocular Drug Delivery. Pharmaceutics, 2020, 12, 22.	2.0	92
3	Antioxidant and antimutagenic activity of -(2-carboxyethyl)chitosan. Toxicology and Applied Pharmacology, 2004, 201, 303-310.	1.3	74
4	Accessibility of chitin and chitosan in enzymatic hydrolysis: A review. Polymer Degradation and Stability, 2018, 156, 269-278.	2.7	71
5	Chitosan and its derivatives: vectors in gene therapy. Russian Chemical Reviews, 2017, 86, 231-239.	2.5	70
6	N-(2-Carboxyethyl)chitosans: regioselective synthesis, characterisation and protolytic equilibria. Carbohydrate Research, 2003, 338, 271-276.	1.1	63
7	Influence of Metal Coordination on the Mismatch Tolerance of Ligand-Modified PNA Duplexes. Journal of the American Chemical Society, 2005, 127, 14628-14639.	6.6	60
8	Silver Nanoparticles on Chitosan/Silica Nanofibers: Characterization and Antibacterial Activity. International Journal of Molecular Sciences, 2020, 21, 166.	1.8	58
9	Polymorphic Modifications of Chitosan. Crystallography Reports, 2018, 63, 303-313.	0.1	54
10	Evaluation of various chitin-glucan derivatives from Aspergillus niger as transition metal adsorbents. Bioresource Technology, 2010, 101, 1769-1775.	4.8	47
11	Synthesis of N-succinyl- and N-glutaryl-chitosan derivatives and their antioxidant, antiplatelet, and anticoagulant activity. Carbohydrate Polymers, 2017, 166, 166-172.	5.1	47
12	Pervaporation multilayer membranes based on a polyelectrolyte complex of Î»-carrageenan and chitosan. Carbohydrate Polymers, 2018, 181, 86-92.	5.1	46
13	Comparative Study of Diethylaminoethyl-Chitosan and Methylglycol-Chitosan as Potential Non-Viral Vectors for Gene Therapy. Polymers, 2018, 10, 442.	2.0	42
14	Alginate Gel Reinforcement with Chitin Nanowhiskers Modulates Rheological Properties and Drug Release Profile. Biomolecules, 2019, 9, 291.	1.8	42
15	Electrospun Bilayer Chitosan/Hyaluronan Material and Its Compatibility with Mesenchymal Stem Cells. Materials, 2019, 12, 2016.	1.3	41
16	Reducing Drought Stress in Plants by Encapsulating Plant Growth-Promoting Bacteria with Polysaccharides. International Journal of Molecular Sciences, 2021, 22, 12979.	1.8	41
17	Development of drug delivery systems for taxanes using ionic gelation of carboxyacyl derivatives of chitosan. Carbohydrate Polymers, 2017, 162, 49-55.	5.1	39
18	Polymyxin Delivery Systems: Recent Advances and Challenges. Pharmaceuticals, 2020, 13, 83.	1.7	39

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19	Click reactions in chitosan chemistry. Russian Chemical Bulletin, 2017, 66, 769-781.	0.4	37
20	N-[4-(N,N,N-trimethylammonium)benzyl]chitosan chloride: Synthesis, interaction with DNA and evaluation of transfection efficiency. Carbohydrate Polymers, 2018, 181, 693-700.	5.1	35
21	Synthesis of novel 1H-tetrazole derivatives of chitosan via metal-catalyzed 1,3-dipolar cycloaddition. Catalytic and antibacterial properties of [3-(1H-tetrazole-5-yl)ethyl]chitosan and its nanoparticles. International Journal of Biological Macromolecules, 2019, 132, 340-350.	3.6	35
22	Complexation Models ofN-(2-Carboxyethyl)chitosans with Copper(II) Ions. Biomacromolecules, 2005, 6, 189-195.	2.6	34
23	Biological Safety and Biodistribution of Chitosan Nanoparticles. Nanomaterials, 2020, 10, 810.	1.9	34
24	Antibacterial Properties of Fucoidans from the Brown Algae Fucus vesiculosus L. of the Barents Sea. Biology, 2021, 10, 67.	1.3	33
25	Metal Binding to Ligand-Containing Peptide Nucleic Acids. Inorganic Chemistry, 2011, 50, 6083-6092.	1.9	32
26	Chitosan conjugates with biologically active compounds: design strategies, properties, and targeted drug delivery. Russian Chemical Bulletin, 2012, 61, 781-795.	0.4	32
27	Sodium Alginateâ€“Gelatin Nanoformulations for Encapsulation of Bacillus velezensis and Their Use for Biological Control of Pistachio Gummosis. Materials, 2022, 15, 2114.	1.3	32
28	Pervaporation membranes of a simplex type with polyelectrolyte layers of chitosan and sodium hyaluronate. Carbohydrate Polymers, 2019, 209, 10-19.	5.1	31
29	Chitosan microencapsulation of rhizobacteria for biological control of plant pests and diseases: Recent advances and applications. Rhizosphere, 2022, 23, 100565.	1.4	31
30	Biodegradable Micellar HPMA-Based Polymerâ€“Drug Conjugates with Betulinic Acid for Passive Tumor Targeting. Biomacromolecules, 2016, 17, 3493-3507.	2.6	30
31	Cellulose Cryogels as Promising Materials for Biomedical Applications. International Journal of Molecular Sciences, 2022, 23, 2037.	1.8	30
32	Influence of chitosan-chitin nanofiber composites on cytoskeleton structure and the proliferation of rat bone marrow stromal cells. Journal of Materials Science: Materials in Medicine, 2017, 28, 21.	1.7	26
33	Chitosan-isoniazid conjugates: Synthesis, evaluation of tuberculostatic activity, biodegradability and toxicity. Carbohydrate Polymers, 2015, 127, 309-315.	5.1	25
34	Carboxyalkylation of chitosan in the gel state. Carbohydrate Polymers, 2012, 90, 1176-1181.	5.1	24
35	Preparation and analysis of multilayer composites based on polyelectrolyte complexes. Crystallography Reports, 2016, 61, 945-953.	0.1	24
36	Mucoadhesive cholesterol-chitosan self-assembled particles for topical ocular delivery of dexamethasone. International Journal of Biological Macromolecules, 2020, 158, 811-818.	3.6	24

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37	Diethylaminoethyl chitosanâ€“hyaluronic acid polyelectrolyte complexes. International Journal of Biological Macromolecules, 2020, 146, 1161-1168.	3.6	23
38	Alginate-Induced Disease Resistance in Plants. Polymers, 2022, 14, 661.	2.0	22
39	Polypeptide Self-Assembled Nanoparticles as Delivery Systems for Polymyxins B and E. Pharmaceutics, 2020, 12, 868.	2.0	20
40	O,N-(2-sulfoethyl)chitosan: Synthesis and properties of solutions and films. Carbohydrate Polymers, 2017, 157, 866-874.	5.1	19
41	Synthesis and Characterization of Novel Succinyl Chitosan-Dexamethasone Conjugates for Potential Intravitreal Dexamethasone Delivery. International Journal of Molecular Sciences, 2021, 22, 10960.	1.8	19
42	Nâ€alkylation of chitosan by Î²â€halopropionic acids in the presence of various acceptors. Journal of Applied Polymer Science, 2008, 108, 119-127.	1.3	18
43	The interaction of amino acids, peptides, and proteins with DNA. International Journal of Biological Macromolecules, 2015, 78, 39-45.	3.6	18
44	Dexamethasone Conjugates: Synthetic Approaches and Medical Prospects. Biomedicines, 2021, 9, 341.	1.4	18
45	Microencapsulation of a Pseudomonas Strain (VUPF506) in Alginateâ€“Whey Proteinâ€“Carbon Nanotubes and Next-Generation Sequencing Identification of This Strain. Polymers, 2021, 13, 4269.	2.0	18
46	Cytocompatibility of Bilayer Scaffolds Electrospun from Chitosan/Alginate-Chitin Nanowhiskers. Biomedicines, 2020, 8, 305.	1.4	17
47	Cellulose cryogels prepared by regeneration from phosphoric acid solutions. Cellulose, 2021, 28, 4975-4989.	2.4	17
48	Hyaluronan/colistin polyelectrolyte complexes: Promising antiinfective drug delivery systems. International Journal of Biological Macromolecules, 2021, 187, 157-165.	3.6	17
49	Coordination-Driven Inversion of Handedness in Ligand-Modified PNA. Inorganic Chemistry, 2011, 50, 11929-11937.	1.9	16
50	Biocatalysis of Industrial Kraft Pulps: Similarities and Differences between Hardwood and Softwood Pulps in Hydrolysis by Enzyme Complex of Penicillium verruculosum. Catalysts, 2020, 10, 536.	1.6	16
51	Hyaluronan/Diethylaminoethyl Chitosan Polyelectrolyte Complexes as Carriers for Improved Colistin Delivery. International Journal of Molecular Sciences, 2021, 22, 8381.	1.8	15
52	Azide pre-click modification of chitosan: N-(2-azidoethyl)chitosan. Russian Chemical Bulletin, 2018, 67, 1915-1919.	0.4	14
53	Design and Antitumor Activity of Platinum Complexes. Pharmaceutical Chemistry Journal, 2019, 53, 6-14.	0.3	13
54	Preparation of N-succinyl-chitin nanoparticles and their applications in otoneurological pathology. International Journal of Biological Macromolecules, 2018, 120, 1023-1029.	3.6	12

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55	N-Aryl-3-Aminopropionic acids as selective reagents for the determination of copper in metallurgical products. Journal of Analytical Chemistry, 2005, 60, 240-246.	0.4	11
56	Bacterial Cellulose (Komagataeibacter rhaeticus) Biocomposites and Their Cytocompatibility. Materials, 2020, 13, 4558.	1.3	11
57	New hybrid chelating sorbents with grafted 3-aminopropionate groups based on mixed silicon, aluminum, titanium, or zirconium oxides. Russian Chemical Bulletin, 2005, 54, 1836-1841.	0.4	10
58	Bis[N-(2-hydroxyethyl)-Î²-alaninato]copper(II). Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, m510-m512.	0.4	10
59	Characterization of Clusters and Unimers in Associating Solutions of Chitosan by Dynamic and Static Light Scattering. Macromolecular Chemistry and Physics, 2016, 217, 1636-1644.	1.1	10
60	Thermal Properties and Structural Features of Multilayer Films Based on Chitosan and Anionic Polysaccharides. Biomolecules, 2021, 11, 762.	1.8	10
61	Hyaluronan-colistin conjugates: Synthesis, characterization, and prospects for medical applications. International Journal of Biological Macromolecules, 2022, 215, 243-252.	3.6	10
62	Synthesis, XRD structure and properties of diaqua(p-toluidine-N,N-di-3-propionato)copper(II) dihydrate [Cu(p-Tdp)(H2O)2]Â·2H2O. Polyhedron, 2002, 21, 2719-2725.	1.0	9
63	Tetrazole derivatives of chitosan: synthetic approaches and evaluation of toxicity. Russian Chemical Bulletin, 2014, 63, 1624-1632.	0.4	9
64	Comparison of the acylation of chitosan with succinic anhydride in aqueous suspension and in solution. Russian Chemical Bulletin, 2015, 64, 1168-1171.	0.4	9
65	Carboxyethylated polyaminostyrene for selective copper removal. Polymer Bulletin, 2012, 68, 1065-1078.	1.7	8
66	The effect of polydisperse fucoidans from Fucus vesiculosus on Hep G2 and Chang liver cells. Bioactive Carbohydrates and Dietary Fibre, 2020, 21, 100209.	1.5	8
67	Effect of Double Substitution in Cationic Chitosan Derivatives on DNA Transfection Efficiency. Polymers, 2020, 12, 1057.	2.0	8
68	Hybrid Nanoparticles and Composite Hydrogel Systems for Delivery of Peptide Antibiotics. International Journal of Molecular Sciences, 2022, 23, 2771.	1.8	8
69	Two-Ply Composite Membranes with Separation Layers from Chitosan and Sulfoethylcellulose on a Microporous Support Based on Poly(diphenylsulfone-N-phenylphthalimide). Molecules, 2017, 22, 2227.	1.7	7
70	Nonspecific enzymatic hydrolysis of a highly ordered chitopolysaccharide substrate. Carbohydrate Research, 2020, 498, 108191.	1.1	7
71	Influence of metal coordination on conductivity behavior in poly(butadieneâ€“acrylonitrile)â€“CoCl2 system. Electrochimica Acta, 2008, 53, 5322-5333.	2.6	6
72	Adhesion, Growth, and Proliferation of Endothelial Cells on Biopolymer Extracellular Film Matrices. Bulletin of Experimental Biology and Medicine, 2014, 158, 153-158.	0.3	6

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73	Conjugation of Succinate to Chitosan Increases the Cochlear Cytoprotective Effect. Pharmaceutical Chemistry Journal, 2017, 50, 711-714.	0.3	6
74	Needleless Electrospinning of a Chitosan Lactate Aqueous Solution: Influence of Solution Composition and Spinning Parameters. Technologies, 2020, 8, 2.	3.0	6
75	Synthesis and sorption properties of new hybrid chelating sorbents with Î²-alanine functional groups. Russian Chemical Bulletin, 2004, 53, 2730-2735.	0.4	5
76	Branched architecture of fucoidan characterized by dynamic and static light scattering. Colloid and Polymer Science, 2020, 298, 1349-1359.	1.0	5
77	Chitin Cryogels Prepared by Regeneration from Phosphoric Acid Solutions. Materials, 2021, 14, 5191.	1.3	5
78	Biophysical Characterization and Cytocompatibility of Cellulose Cryogels Reinforced with Chitin Nanowhiskers. Polymers, 2022, 14, 2694.	2.0	5
79	Detection and determination of some phenolic and cinnamic acids in plant extracts. Journal of Analytical Chemistry, 2015, 70, 1406-1411.	0.4	4
80	Electrospinning of Polysaccharides for Tissue Engineering Applications. Reviews and Advances in Chemistry, 2021, 11, 112-133.	0.2	4
81	Modeling of Acute Pulmonary Arterial Hypertension in Pigs Using a Stable Thromboxane A2 Analogue (U46619): Dose Adjustment and Assessment of Hemodynamic Reactions. Bulletin of Experimental Biology and Medicine, 2021, 170, 729-733.	0.3	4
82	Title is missing!. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2001, 27, 796-802.	0.3	3
83	Preparation of Succinyl-Chitin Nanoparticles for Biomedical Applications. Doklady Chemistry, 2018, 480, 114-116.	0.2	3
84	Preparation and properties of chitosanâ€“nanodiamond dispersions and composite films. Diamond and Related Materials, 2019, 98, 107483.	1.8	3
85	Transcatheter radiofrequency pulmonary artery denervation in swine: the evaluation of lesion degree, hemodynamics and pulmonary hypertension inducibility. BMC Pulmonary Medicine, 2021, 21, 418.	0.8	3
86	Title is missing!. Russian Journal of Organic Chemistry, 2002, 38, 385-389.	0.3	2
87	Copper(II) complexes with N-(2-carboxyethyl)anthranilic acid H2CEAnt. Synthesis and crystal structure of [Cu(CEAnt)(H2O)] â‹… H2O. Russian Chemical Bulletin, 2005, 54, 1563-1568.	0.4	2
88	Generation of Reactive Oxygen Species by Human Whole Blood Cells Exposed to Iron Oxide Magnetic Nanoparticles Coated with Different Shells. Bulletin of Experimental Biology and Medicine, 2021, 171, 77-80.	0.3	2
89	Influence of Iron Oxide-Based Nanoparticles with Various Shell Modifications on the Generation of Reactive Oxygen Species inÂStimulated Human Blood Cells in vitro. Journal of Evolutionary Biochemistry and Physiology, 2021, 57, 782-791.	0.2	2
90	3,3,3-Trifluoro-Nâ€²-(3-trifluoromethylphenyl)-1,2-propanediamine and its N-mono-and N,N-dicarboxyethyl derivatives: synthesis, protolytic and complexation properties. Russian Chemical Bulletin, 2005, 54, 2545-2549.	0.4	1

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91	N-[4-(N,N,N-Trimethylammonium)Benzyl]Chitosan Chloride as a Gene Carrier: The Influence of Polyplex Composition and Cell Type. Materials, 2021, 14, 2467.	1.3	0
92	Preparation and properties of chitosan/nano-diamond solutions and films. Research & Reviews Journal of Material Sciences, 2018, 06, .	0.1	0