

Olga O Babich

List of Publications by Year in descending order

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73
papers

1,313
citations

393982

19
h-index

414034

32
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78
all docs

78
docs citations

78
times ranked

1222
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Studies on Joint Recovery of Macroalgae and Marine Debris by Hydrothermal Liquefaction. Applied Sciences (Switzerland), 2022, 12, 569.	1.3	6
2	Structure and properties of antimicrobial peptides produced by antagonist microorganisms isolated from Siberian natural objects. Foods and Raw Materials, 2022, , 27-39.	0.8	4
3	Phytotherapeutic Approaches to the Prevention of Age-Related Changes and the Extension of Active Longevity. Molecules, 2022, 27, 2276.	1.7	5
4	Algae: Study of Edible and Biologically Active Fractions, Their Properties and Applications. Plants, 2022, 11, 780.	1.6	30
5	Recovery and Use of Recycled Carbon Fibers from Composites Based on Phenol-Formaldehyde Resins. Recycling, 2022, 7, 22.	2.3	4
6	Assessment of the Resource Potential of Baltic Sea Macroalgae. Applied Sciences (Switzerland), 2022, 12, 3599.	1.3	11
7	Antimicrobial Screening and Fungicidal Properties of Eucalyptus globulus Ultrasonic Extracts. Plants, 2022, 11, 1441.	1.6	4
8	Alginate Lyases from Marine Bacteria: An Enzyme Ocean for Sustainable Future. Molecules, 2022, 27, 3375.	1.7	26
9	Isolation of Valuable Biological Substances from Microalgae Culture. Foods, 2022, 11, 1654.	1.9	3
10	Cellulolytic and Xylanolytic Enzymes from Yeasts: Properties and Industrial Applications. Molecules, 2022, 27, 3783.	1.7	9
11	Feasibility of Old Bark and Wood Waste Recycling. Plants, 2022, 11, 1549.	1.6	4
12	Bioengineering and Molecular Biology of Miscanthus. Energies, 2022, 15, 4941.	1.6	2
13	Determination of the Qualitative Composition of Biologically-Active Substances of Extracts of In Vitro Callus, Cell Suspension, and Root Cultures of the Medicinal Plant Rhodiola rosea. Biomolecules, 2021, 11, 365.	1.8	4
14	Study of the L-Phenylalanine Ammonia-Lyase Penetration Kinetics and the Efficacy of Phenylalanine Catabolism Correction Using In Vitro Model Systems. Pharmaceutics, 2021, 13, 383.	2.0	0
15	Determination of the Qualitative Composition of Biologically Active Substances of Extracts of In Vitro Callus, Cell Suspension, and Root Cultures of the Medicinal Plant Rhaponticum carthamoides. Applied Sciences (Switzerland), 2021, 11, 2555.	1.3	3
16	Chondroprotection and Molecular Mechanism of Action of Phytonutraceuticals on Osteoarthritis. Molecules, 2021, 26, 2391.	1.7	13
17	Production, Purification, and Study of the Amino Acid Composition of Microalgae Proteins. Molecules, 2021, 26, 2767.	1.7	26
18	Phytochemical Analysis of Symphytum officinale Root Culture Extract. Applied Sciences (Switzerland), 2021, 11, 4478.	1.3	9

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19	Evaluation of the Conditions for the Cultivation of Callus Cultures of <i>Hyssopus officinalis</i> Regarding the Yield of Polyphenolic Compounds. <i>Plants</i> , 2021, 10, 915.	1.6	3
20	Study of the Antimicrobial Potential of Bacteria found in Natural Resources. <i>Journal of Pure and Applied Microbiology</i> , 2021, 15, 759-771.	0.3	0
21	Bioethanol Production from <i>Miscanthus sinensis</i> Cellulose by Bioconversion. <i>Food Processing: Techniques and Technology</i> , 2021, 51, 387-394.	0.3	2
22	Study of the Properties of In Vitro <i>Dactylorhiza maculata</i> (L.) SoÃ³ (Family Orchidaceae) Extracts. <i>Plants</i> , 2021, 10, 1330.	1.6	5
23	Study of the Biologically Active Properties of Medicinal Plant <i>Cotinus coggygia</i> . <i>Plants</i> , 2021, 10, 1224.	1.6	6
24	Antimicrobial Potential of Microorganisms Isolated from the Bottom Sediments of Lake Baikal. <i>Antibiotics</i> , 2021, 10, 927.	1.5	3
25	Influence of Carbohydrate Additives on the Growth Rate of Microalgae Biomass with an Increased Carbohydrate Content. <i>Marine Drugs</i> , 2021, 19, 381.	2.2	27
26	First Insight into the Diversity and Antibacterial Potential of Psychrophilic and Psychotrophic Microbial Communities of Abandoned Amber Quarry. <i>Microorganisms</i> , 2021, 9, 1521.	1.6	3
27	A Study of the Antioxidant, Cytotoxic Activity and Adsorption Properties of Karelian Shungite by Physicochemical Methods. <i>Antioxidants</i> , 2021, 10, 1121.	2.2	8
28	Evaluation of Biocompatibility and Antagonistic Properties of Microorganisms Isolated from Natural Sources for Obtaining Biofertilizers Using Microalgae Hydrolysate. <i>Microorganisms</i> , 2021, 9, 1667.	1.6	0
29	Improvement of Enzymatic Saccharification of Cellulose-Containing Raw Materials Using <i>Aspergillus niger</i> . <i>Processes</i> , 2021, 9, 1360.	1.3	3
30	Bioactive Carbohydrate Polymersâ€”Between Myth and Reality. <i>Molecules</i> , 2021, 26, 7068.	1.7	9
31	Comparative Analysis of Collagen-Containing Waste Biodegradation, Amino Acid, Peptide and Carbohydrate Composition of Hydrolysis Products. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11511.	1.3	5
32	Methods of Increasing <i>Miscanthus</i> Biomass Yield for Biofuel Production. <i>Energies</i> , 2021, 14, 8368.	1.6	7
33	Chemical Composition and Content of Biologically Active Substances Found in <i>Cotinus coggygia</i> , <i>Dactylorhiza maculata</i> , <i>Platanthera chlorantha</i> Growing in Various Territories. <i>Plants</i> , 2021, 10, 2806.	1.6	4
34	Antimicrobial potential of ZnO, TiO ₂ and SiO ₂ nanoparticles in protecting building materials from biodegradation. <i>International Biodeterioration and Biodegradation</i> , 2020, 146, 104821.	1.9	80
35	The effectiveness of plant hydrocolloids at maintaining the quality characteristics of the encapsulated form of L-phenylalanine-ammonia-lyase. <i>Heliyon</i> , 2020, 6, e03096.	1.4	4
36	Suspensions of metal nanoparticles as a basis for protection of internal surfaces of building structures from biodegradation. <i>Case Studies in Construction Materials</i> , 2020, 12, e00319.	0.8	12

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37	Sea Buckthorn and Rosehip Oils with Chokeberry Extract to Prevent Hypercholesterolemia in Mice Caused by a High-Fat Diet In Vivo. <i>Nutrients</i> , 2020, 12, 2941.	1.7	7
38	Study of Morphological Features and Determination of the Fatty Acid Composition of the Microalgae Lipid Complex. <i>Biomolecules</i> , 2020, 10, 1571.	1.8	25
39	Microalgae: A Promising Source of Valuable Bioproducts. <i>Biomolecules</i> , 2020, 10, 1153.	1.8	117
40	Future of Chondroprotectors in the Treatment of Degenerative Processes of Connective Tissue. <i>Pharmaceuticals</i> , 2020, 13, 220.	1.7	20
41	Overview of Global Trends in Classification, Methods of Preparation and Application of Bacteriocins. <i>Antibiotics</i> , 2020, 9, 553.	1.5	75
42	Opportunities for using biologically active substances <i>Rhodiola rosea</i> L. in the production of functional food with consideration for antimicrobial activity. <i>E3S Web of Conferences</i> , 2020, 176, 01011.	0.2	1
43	Modern Trends in the In Vitro Production and Use of Callus, Suspension Cells and Root Cultures of Medicinal Plants. <i>Molecules</i> , 2020, 25, 5805.	1.7	30
44	Medicinal Plants to Strengthen Immunity during a Pandemic. <i>Pharmaceuticals</i> , 2020, 13, 313.	1.7	42
45	The Process of Producing Bioethanol from Delignified Cellulose Isolated from Plants of the <i>Miscanthus</i> Genus. <i>Bioengineering</i> , 2020, 7, 61.	1.6	14
46	Plants of the Russian Federation pharmacopeia: an unexhausted natural products research opportunity?. <i>Natural Product Research</i> , 2020, 35, 1-3.	1.0	5
47	Effects of material characteristics on the structural characteristics and flavor substances retention of meat analogs. <i>Food Hydrocolloids</i> , 2020, 105, 105752.	5.6	109
48	The effect of postharvest ultraviolet irradiation on the content of antioxidant compounds and the activity of antioxidant enzymes in tomato. <i>Heliyon</i> , 2020, 6, e03288.	1.4	32
49	Study of the Potential of the Capsule Shell Based on Natural Polysaccharides in Targeted Delivery of the L-Phenylalanine Ammonia-Lyase Enzyme Preparation. <i>Pharmaceuticals</i> , 2020, 13, 63.	1.7	7
50	Physicochemical properties and biological activity of extracts of dried biomass of callus and suspension cells and in vitro root cultures. <i>Food Processing: Techniques and Technology</i> , 2020, 50, 480-492.	0.3	10
51	Antibiotic activity and resistance of lactic acid bacteria and other antagonistic bacteriocin-producing microorganisms. <i>Foods and Raw Materials</i> , 2020, 8, 377-384.	0.8	14
52	Identification and quantification of phenolic compounds of Western Siberia <i>Astragalus danicus</i> in different regions. <i>Heliyon</i> , 2019, 5, e02245.	1.4	22
53	In vivo study of the potential of the carbohydrate-mineral complex from pine nut shells as an ingredient of functional food products. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2019, 18, 100185.	1.5	17
54	Spirocyclic Motifs in Natural Products. <i>Molecules</i> , 2019, 24, 4165.	1.7	124

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55	Quantitative and qualitative profile of biologically active substances extracted from purple echinacea (<i>Echinacea Purpurea</i> L.) growing in the Kemerovo region: functional foods application. <i>Foods and Raw Materials</i> , 2019, , 84-92.	0.8	12
56	<i>Miscanthus</i> plants processing in fuel, energy, chemical and microbiological industries. <i>Foods and Raw Materials</i> , 2019, , 403-411.	0.8	10
57	Effects of Biopreservatives Combined with Modified Atmosphere Packaging on the Quality of Apples and Tomatoes. <i>Polish Journal of Food and Nutrition Sciences</i> , 2019, 69, 289-296.	0.6	12
58	Production Technology for Oat Protein with Advanced Physicochemical, Functional, and Technological Properties. <i>Food Processing: Techniques and Technology</i> , 2019, 49, 216-226.	0.3	2
59	Oat Protein Concentrate As Part of Curd Product for Sport Nutrition. <i>Food Processing: Techniques and Technology</i> , 2019, 49, 345-355.	0.3	4
60	Associations of polymorphisms in the cytokine genes IL1 β (rs16944), IL6 (rs1800795), IL12b (rs3212227) and growth factor VEGFA (rs2010963) with anthracosilicosis in coal miners in Russia and related genotoxic effects. <i>Mutagenesis</i> , 2018, 33, 129-135.	1.0	8
61	Functional properties of the enzyme-modified protein from oat bran. <i>Food Bioscience</i> , 2018, 24, 46-49.	2.0	36
62	OAT PROTEIN CONCENTRATE PRODUCTION. <i>Foods and Raw Materials</i> , 2018, 6, 47-55.	0.8	13
63	Comparative Analysis of Physical and Chemical Properties of Biodegradable Edible Films of Various Compositions. <i>Journal of Food Process Engineering</i> , 2017, 40, e12331.	1.5	19
64	In vivo study of medical and biological properties of functional bakery products with the addition of pumpkin flour. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2017, 12, 20-24.	1.5	34
65	ANALYSIS OF INFLUENCE OF BIOHUMUS ON THE BASIS OF CONSORTIUM OF EFFECTIVE MICROORGANISMS ON THE PRODUCTIVITY OF WINTER WHEAT. <i>Foods and Raw Materials</i> , 2017, 5, 90-99.	0.8	9
66	Short Chain Fatty Acids (SCFA) Reprogram Gene Expression in Human Malignant Epithelial and Lymphoid Cells. <i>PLoS ONE</i> , 2016, 11, e0154102.	1.1	25
67	Apoptosis-mediated endothelial toxicity but not direct calcification or functional changes in anti-calcification proteins defines pathogenic effects of calcium phosphate bions. <i>Scientific Reports</i> , 2016, 6, 27255.	1.6	37
68	INVESTIGATING ANTIBIOTIC ACTIVITY OF THE GENUS BACILLUS STRAINS AND PROPERTIES OF THEIR BACTERIOCINS IN ORDER TO DEVELOP NEXT-GENERATION PHARMACEUTICALS. <i>Foods and Raw Materials</i> , 2016, 4, 92-100.	0.8	20
69	Hydrolysis of the Red Blood Cells of Pig and Cattle to Ensure Optimum Conditions for the Manufacturing of Iron-Containing Products Having Maximum Heme Iron. <i>Biology and Medicine (Aligarh)</i> , 2016, 8, .	0.3	1
70	Analysis of the Parameters of Lactulose Drying in Terms of Yield and Quality of the Finished Product. <i>Biosciences, Biotechnology Research Asia</i> , 2015, 12, 2325-2331.	0.2	0
71	Recombinant <i>L</i> -phenylalanine ammonia lyase from <i>Rhodospiridium toruloides</i> as a potential anticancer agent. <i>Biotechnology and Applied Biochemistry</i> , 2013, 60, 316-322.	1.4	32
72	Efficient Expression of Recombinant L-phenylalanine Ammonia-lyase From <i>Rhodospiridium toruloides</i> using <i>Escherichia coli</i> . <i>Journal of Applied Biotechnology</i> , 2013, 2, 24.	0.1	1

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73	Determination of cinnamic acid by capillary zone electrophoresis using ion-pair reagents. Journal of Analytical Chemistry, 2012, 67, 474-477.	0.4	8