

Tatyana V Fedorova

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

882
citations

394286

19
h-index

501076

28
g-index

41
all docs

41
docs citations

41
times ranked

1146
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of plant phenolic compounds by cyclic voltammetry. <i>Applied Biochemistry and Microbiology</i> , 2007, 43, 661-668.	0.3	78
2	Structure of native laccase from <i>Trametes hirsuta</i> at 1.8 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 611-617.	2.5	56
3	Evaluation of the Antiradical Properties of Phenolic Acids. <i>International Journal of Molecular Sciences</i> , 2014, 15, 16351-16380.	1.8	56
4	Physicochemical and functional properties of <i>Cucurbita maxima</i> pumpkin pectin and commercial citrus and apple pectins: A comparative evaluation. <i>PLoS ONE</i> , 2018, 13, e0204261.	1.1	55
5	Catalytic Efficiency of Basidiomycete Laccases: Redox Potential versus Substrate-Binding Pocket Structure. <i>Catalysts</i> , 2018, 8, 152.	1.6	41
6	The <i>Trametes hirsuta</i> 072 laccase multigene family: Genes identification and transcriptional analysis under copper ions induction. <i>Biochimie</i> , 2015, 116, 154-164.	1.3	39
7	Lignin-degrading peroxidases in white-rot fungus <i>Trametes hirsuta</i> 072. Absolute expression quantification of full multigene family. <i>PLoS ONE</i> , 2017, 12, e0173813.	1.1	35
8	Fungal Laccases: The Forefront of Enzymes for Sustainability. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 1048.	1.5	32
9	Structure-Functional Study of Tyrosine and Methionine Dipeptides: An Approach to Antioxidant Activity Prediction. <i>International Journal of Molecular Sciences</i> , 2015, 16, 25353-25376.	1.8	30
10	Orchestration of the expression of the laccase multigene family in white-rot basidiomycete <i>Trametes hirsuta</i> 072: Evidences of transcription level subfunctionalization. <i>Fungal Biology</i> , 2018, 122, 353-362.	1.1	29
11	An in vitro and in silico study on the antioxidant and cell culture-based study on the chemoprotective activities of fish muscle protein hydrolysates obtained from European seabass and gilthead seabream. <i>Food Chemistry</i> , 2019, 271, 724-732.	4.2	28
12	Properties of neutral cellobiose dehydrogenase from the ascomycete <i>Chaetomium</i> sp. INBI 2-26 and comparison with basidiomycetous cellobiose dehydrogenases. <i>Journal of Biotechnology</i> , 2006, 121, 34-48.	1.9	27
13	Development of Antioxidant and Antihypertensive Properties during Growth of <i>Lactobacillus helveticus</i> , <i>Lactobacillus rhamnosus</i> and <i>Lactobacillus reuteri</i> on Cow's Milk: Fermentation and Peptidomics Study. <i>Foods</i> , 2021, 10, 17.	1.9	27
14	Evolutionary Relationships Between the Laccase Genes of Polyporales: Orthology-Based Classification of Laccase Isozymes and Functional Insight From <i>Trametes hirsuta</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 152.	1.5	25
15	Draft Genome Sequence of the Fungus <i>Trametes hirsuta</i> 072. <i>Genome Announcements</i> , 2015, 3, .	0.8	24
16	Elucidation of the crystal structure of <i>Coriolopsis caperata</i> laccase: restoration of the structure and activity of the native enzyme from the T2-depleted form by copper ions. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 854-861.	2.5	21
17	Structure-function study of two new middle-redox potential laccases from basidiomycetes <i>Antrodia faginea</i> and <i>Steccherinum murashkinskyi</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 118, 406-418.	3.6	21
18	White-rot basidiomycetes <i>Junghuhnia nitida</i> and <i>Steccherinum bourdotii</i> : Oxidative potential and laccase properties in comparison with <i>Trametes hirsuta</i> and <i>Coriolopsis caperata</i> . <i>PLoS ONE</i> , 2018, 13, e0197667.	1.1	19

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19	A heterologous production of the <i>Trametes hirsuta</i> laccase in the fungus <i>Penicillium canescens</i> . <i>Applied Biochemistry and Microbiology</i> , 2010, 46, 313-317.	0.3	18
20	The subatomic resolution study of laccase inhibition by chloride and fluoride anions using single-crystal serial crystallography: insights into the enzymatic reaction mechanism. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 804-816.	1.1	17
21	Whey Protein Hydrolysate and Pumpkin Pectin as Nutraceutical and Prebiotic Components in a Functional Mousse with Antihypertensive and Bifidogenic Properties. <i>Nutrients</i> , 2019, 11, 2930.	1.7	16
22	Kinetic and Theoretical Comprehension of Diverse Rate Laws and Reactivity Gaps in <i>Coriolus hirsutus</i> Laccase-Catalyzed Oxidation of Acido and Cyclometalated Rull Complexes. <i>Biochemistry</i> , 2009, 48, 4519-4527.	1.2	15
23	Purification, biochemical characterization, and structure of recombinant endo-1,4- β -xylanase XylE. <i>Biochemistry (Moscow)</i> , 2012, 77, 1190-1198.	0.7	15
24	Laccases with Variable Properties from Different Strains of <i>Steccherinum ochraceum</i> : Does Glycosylation Matter?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2008.	1.8	14
25	Fungal Adaptation to the Advanced Stages of Wood Decomposition: Insights from the <i>Steccherinum ochraceum</i> . <i>Microorganisms</i> , 2019, 7, 527.	1.6	13
26	Relation between lignin molecular profile and fungal exo-proteome during kraft lignin modification by <i>Trametes hirsuta</i> LE-BIN 072. <i>Bioresource Technology</i> , 2021, 335, 125229.	4.8	13
27	Purification and Characterization of Two Novel Laccases from <i>Peniophora lycii</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 340.	1.5	12
28	Exoproteome Analysis of Antagonistic Interactions between the Probiotic Bacteria <i>Limosilactobacillus reuteri</i> LR1 and <i>Lactisacibacillus rhamnosus</i> F and Multidrug Resistant Strain of <i>Klebsiella pneumonia</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 10999.	1.8	11
29	Analytical Characterization of the Widely Consumed Commercialized Fermented Beverages from Russia (Kefir and Ryazhenka) and South Africa (Amasi and Mahewu): Potential Functional Properties and Profiles of Volatile Organic Compounds. <i>Foods</i> , 2021, 10, 3082.	1.9	11
30	Biotransformation of progesterone by <i>Aspergillus nidulans</i> VKPM F-1069 (wild type). <i>Steroids</i> , 2019, 149, 108421.	0.8	9
31	Cheese Whey Catalytic Conversion for Obtaining a Bioactive Hydrolysate With Reduced Antigenicity. <i>Current Research in Nutrition and Food Science</i> , 2016, 4, 182-196.	0.3	9
32	Transformation of humic substances of highly oxidized brown coal by basidiomycetes <i>Trametes hirsuta</i> and <i>Trametes maxima</i> . <i>Applied Biochemistry and Microbiology</i> , 2013, 49, 287-295.	0.3	8
33	Fermentation Profile and Probiotic-Related Characteristics of <i>Bifidobacterium longum</i> MC-42. <i>Fermentation</i> , 2021, 7, 101.	1.4	7
34	<i>Agaricus bisporus</i> Crude Extract: Characterization and Analytical Application. <i>Molecules</i> , 2020, 25, 5996.	1.7	6
35	Hypotensive and Hepatoprotective Properties of the Polysaccharide-Stabilized Foaming Composition Containing Hydrolysate of Whey Proteins. <i>Nutrients</i> , 2021, 13, 1031.	1.7	6
36	Effect of submerged cultivation conditions and inducers on biosynthesis of extracellular laccase by a <i>Trametes versicolor</i> 1666 strain. <i>Applied Biochemistry and Microbiology</i> , 2011, 47, 808-816.	0.3	5

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37	Preparation and characterization of bioactive products obtained via the solubilization of brown coal by white rot fungi. <i>Applied Biochemistry and Microbiology</i> , 2014, 50, 730-736.	0.3	5
38	Development of a novel enzyme-redox-mediator system based on a fungal laccase and ruthenium complexes. <i>Applied Biochemistry and Microbiology</i> , 2006, 42, 550-557.	0.3	3
39	Effect of solvent phase transitions on enzymatic activity and structure of laccase from <i>Coriolus hirsutus</i> . <i>Biochemistry (Moscow)</i> , 2009, 74, 385-392.	0.7	3
40	Comparative analysis of the white rot fungus <i>Trametes hirsuta</i> 072 laccases ability to modify 17 β -oestradiol in the aqueous medium. <i>Biocatalysis and Biotransformation</i> , 2023, 41, 475-485.	1.1	0