Adrian Wiater

List of Publications by Year
in descending order

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57	985	394390	501174
papers	citations	19 h-index	28 g-index

57	57	57	1106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative Nanopore Sequencing-Based Evaluation of the Midgut Microbiota of the Summer Chafer (Amphimallon solstitiale L.) Associated with Possible Resistance to Entomopathogenic Nematodes. International Journal of Environmental Research and Public Health, 2022, 19, 3480.	2.6	1
2	(1â†'3)-Î±-D-glucooligosaccharides as Elicitors Influencing the Activity of Plant Resistance Pathways in Wheat Tissues. Agronomy, 2022, 12, 1170.	3.0	3
3	Steinernema sandneri n. sp. (Rhabditida: Steinernematidae), a new entomopathogenic nematode from Poland. Journal of Nematology, 2021, 53, 1-24.	0.9	8
4	Nanopore-Sequencing Characterization of the Gut Microbiota of Melolontha melolontha Larvae: Contribution to Protection against Entomopathogenic Nematodes?. Pathogens, 2021, 10, 396.	2.8	4
5	Fungal Î±-1,3-Glucan as a New Pathogen-Associated Molecular Pattern in the Insect Model Host Galleria mellonella. Molecules, 2021, 26, 5097.	3.8	8
6	Screening and Molecular Identification of Bacteria from the Midgut of Amphimallon solstitiale Larvae Exhibiting Antagonistic Activity against Bacterial Symbionts of Entomopathogenic Nematodes. International Journal of Molecular Sciences, 2021, 22, 12005.	4.1	4
7	Prebiotic Potential of Oligosaccharides Obtained by Acid Hydrolysis of Î±-(1â†'3)-Glucan from Laetiporus sulphureus: A Pilot Study. Molecules, 2020, 25, 5542.	3.8	8
8	Activation of cellular immune response in insect model host Galleria mellonella by fungal Î±-1,3-glucan. Pathogens and Disease, 2020, 78, .	2.0	16
9	The FT-IR and Raman Spectroscopies as Tools for Biofilm Characterization Created by Cariogenic Streptococci. International Journal of Molecular Sciences, 2020, 21, 3811.	4.1	69
10	Potentilla alba Extracts Affect the Viability and Proliferation of Non-Cancerous and Cancerous Colon Human Epithelial Cells. Molecules, 2020, 25, 3080.	3.8	12
11	Differences in Production, Composition, and Antioxidant Activities of Exopolymeric Substances (EPS) Obtained from Cultures of Endophytic Fusarium culmorum Strains with Different Effects on Cereals. Molecules, 2020, 25, 616.	3.8	14
12	The Effect of Water-Soluble Polysaccharide from Jackfruit (Artocarpus heterophyllus Lam.) on Human Colon Carcinoma Cells Cultured In Vitro. Plants, 2020, 9, 103.	3.5	12
13	Aspergillus niger Î±-1,3-glucan acts as a virulence factor by inhibiting the insect phenoloxidase system. Journal of Invertebrate Pathology, 2020, 171, 107341.	3.2	16
14	Bacteria from the Midgut of Common Cockchafer (Melolontha melolontha L.) Larvae Exhibiting Antagonistic Activity Against Bacterial Symbionts of Entomopathogenic Nematodes: Isolation and Molecular Identification. International Journal of Molecular Sciences, 2020, 21, 580.	4.1	24
15	Fungal (1â€¯â†'â€¯3)-Î±-d-glucans as a new kind of biosorbent for heavy metals. International Journal of Biological Macromolecules, 2019, 137, 960-965.	7.5	23
16	A Report on Fungal (1â†'3)-Î±-d-glucans: Properties, Functions and Application. Molecules, 2019, 24, 3972.	3.8	29
17	Antitumour effect of glucooligosaccharides obtained via hydrolysis of Î±-(1â€‰â†'â€‰3)-glucan from Fomitopsis betulina. Molecular Biology Reports, 2019, 46, 5977-5982.	2.3	7
18	The Effect of Mushroom Extracts on Human Platelet and Blood Coagulation: In vitro Screening of Eight Edible Species. Nutrients, 2019, 11, 3040.	4.1	23

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19	Isolation and characterization of Î±â€(1â†'3)â€glucanâ€degrading bacteria from the gut of Diaperis boleti feeding on Laetiporus sulphureus. Entomological Science, 2019, 22, 36-41.	0.6	2
20	Bacterial exopolysaccharides as a modern biotechnological tool for modification of fungal laccase properties and metal ion binding. Bioprocess and Biosystems Engineering, 2018, 41, 973-989.	3.4	11
21	Fungal polysaccharides as a water-adsorbing material in esters production with the use of lipase from Rhizomucor variabilis. International Journal of Biological Macromolecules, 2018, 118, 957-964.	7.5	15
22	Chemical characterization of alkali-soluble polysaccharides isolated from a Boletus edulis (Bull.) fruiting body and their potential for heavy metal biosorption. Food Chemistry, 2018, 266, 329-334.	8.2	43
23	Enzymes in therapy of biofilmâ€related oral diseases. Biotechnology and Applied Biochemistry, 2017, 64, 337-346.	3.1	37
24	Characterisation of exopolymer R-202 isolated from Rhodococcus rhodochrous and its flocculating properties. European Polymer Journal, 2017, 88, 21-33.	5.4	23
25	Fomitopsis betulina (formerly Piptoporus betulinus): the Icemanâ€™s polypore fungus with modern biotechnological potential. World Journal of Microbiology and Biotechnology, 2017, 33, 83.	3.6	23
26	Hydrogel Containing an Extract of Tormentillae Rhizoma for the Treatment of Biofilm-Related Oral Diseases. Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	5
27	(1â†'3)-Î±-d-Glucan from Fruiting Body and Mycelium ofCerrena unicolor(Bull.) Murrill: Structural Characterization and Use as a Novel Inducer of Mutanase. International Journal of Polymer Science, 2017, 2017, 1-9.	2.7	6
28	In Vitro Antiproliferative and Antioxidant Effects of Extracts from Rubus caesius Leaves and Their Quality Evaluation. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-8.	1.2	10
29	Production and characterisation of exopolymer from Rhodococcus opacus. Biochemical Engineering Journal, 2016, 112, 143-152.	3.6	21
30	Cultivation and utility of Piptoporus betulinus fruiting bodies as a source of anticancer agents. World Journal of Microbiology and Biotechnology, 2016, 32, 151.	3.6	16
31	Molecular and phenotypic characterization of Xenorhabdus bovienii symbiotically associated with Steinernema silvaticum. Archives of Microbiology, 2016, 198, 995-1003.	2.2	4
32	Fruiting bodies of Hericium erinaceus (Bull.) Pers. â€“ a new source of water-insoluble (1â†'3)-Î±-d-glucan. Acta Societatis Botanicorum Poloniae, 2016, 85, .	0.8	2
33	(1â†'3)-Î±-d-Glucan hydrolases in dental biofilm prevention and control: A review. International Journal of Biological Macromolecules, 2015, 79, 761-778.	7.5	62
34	ASSESSING BIOLOGICAL ACTIVITY OF CARBOXYMETHYLATED DERIVATIVES OF Î± -(1 â†' 3)-GLUCANS ISOLATED FROM FRUITING BODIES OF CULTIVATED PLEUROTUS SPECIES. Zywnosc Nauka Technologia Jakosc/Food Science Technology Quality, 2015, , .	0.1	3
35	Aqueous Extracts of Selected Potentilla Species Modulate Biological Activity of Human Normal Colon Cells. Current Drug Targets, 2015, 16, 1495-1502.	2.1	19
36	(1â†'3)-α-D-Glucans from Aspergillus spp.: Structural Characterization and Biological Study on their Carboxymethylated Derivatives. Current Drug Targets, 2015, 16, 1488-1494.	2.1	11

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37	Successful large-scale production of fruiting bodies of Laetiporus sulphureus (Bull.: Fr.) Murrill on an artificial substrate. World Journal of Microbiology and Biotechnology, 2013, 29, 753-758.	3.6	21
38	Chemical characterization of a water insoluble (1â†'3)-Î±-d-glucan from an alkaline extract of Aspergillus wentii. Carbohydrate Polymers, 2013, 91, 603-608.	10.2	42
39	Water-soluble (1â†'3),(1â†'4)-Î±-d-glucan from mango as a novel inducer of cariogenic biofilm-degrading enzyme. International Journal of Biological Macromolecules, 2013, 58, 199-205.	7.5	8
40	In Vitro Anticariogenic Effects of Drymocallis rupestris Extracts and Their Quality Evaluation by HPLC-DAD-MS3 Analysis. Molecules, 2013, 18, 9117-9131.	3.8	5
41	Purification and properties of an Î±-(1 â†' 3)-glucanase (EC 3.2.1.84) from Trichoderma harzianum and its use for reduction of artificial dental plaque accumulation.. Acta Biochimica Polonica, 2013, 60, .	0.5	10
42	Purification and properties of an Î±-(1 â†' 3)-glucanase (EC 3.2.1.84) from Trichoderma harzianum and its use for reduction of artificial dental plaque accumulation. Acta Biochimica Polonica, 2013, 60, 123-8.	0.5	2
43	Comparative Studies on the Induction of Trichoderma harzianum Mutanase by Î±-(1â†'3)-Glucan-Rich Fruiting Bodies and Mycelia of Laetiporus sulphureus. International Journal of Molecular Sciences, 2012, 13, 9584-9598.	4.1	9
44	PURIFICATION AND CHARACTERIZATION OF MUTANASE PRODUCED BYPaenibacillus curdlanolyticusMP-1. Preparative Biochemistry and Biotechnology, 2012, 42, 335-347.	1.9	9
45	Biological study on carboxymethylated (1â†'3)-Î±-d-glucans from fruiting bodies of Ganoderma lucidum. International Journal of Biological Macromolecules, 2012, 51, 1014-1023.	7.5	39
46	Gene cloning, expression, and characterization of mutanase from Paenibacillus curdlanolyticus MP-1. Protein Expression and Purification, 2012, 86, 68-74.	1.3	13
47	Structural Diversity of Streptococcal Mutans Synthesized under Different Culture and Environmental Conditions and Its Effect on Mutanase Synthesis. Molecules, 2012, 17, 11800-11815.	3.8	8
48	In vitro anticariogenic effects of aerial parts of Potentilla recta and its phytochemical profile. Phytotherapy Research, 2011, 25, 343-350.	5.8	20
49	Identification and Characterization of the Trichoderma harzianum Gene Encoding Î±-1,3-Glucanase Involved in Streptococcal Mutan Degradation. Polish Journal of Microbiology, 2011, 60, 293-301.	1.7	7
50	Variation in Total Polyphenolics Contents of Aerial Parts of Potentilla Species and Their Anticariogenic Activity. Molecules, 2010, 15, 4639-4651.	3.8	72
51	Methods for Obtaining Active Mutanase Preparations fromPaenibacillus curdlanolyticus. Preparative Biochemistry and Biotechnology, 2008, 38, 389-396.	1.9	2
52	Mutanase induction in Trichoderma harzianum by cell wall of Laetiporus sulphureus and its application for mutan removal from oral biofilms. Journal of Microbiology and Biotechnology, 2008, 18, 1335-41.	2.1	22
53	Production and use of mutanase from Trichoderma harzianum for effective degradation of streptococcal mutans. Brazilian Journal of Microbiology, 2005, 36, 137.	2.0	18
54	Selection of method for obtaining an active mutanase preparation from Trichoderma harzianum. Biotechnology Letters, 2001, 23, 427-431.	2.2	4

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55	Purification and characterization of an extracellular mutanase from Trichoderma harzianum. Mycological Research, 2001, 105, 1357-1363.	2.5	17
56	Insoluble glucans synthesized by cariogenic streptococci: a structural study. Journal of Basic Microbiology, 1999, 39, 265-273.	3.3	59
57	Selection of method for obtaining an active lactase preparation fromPenicillium notatum. Journal of Basic Microbiology, 1998, 38, 71-75.	3.3	4