

Anna Otlewska

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,544
citations

331259

21
h-index

329751

37
g-index

66
all docs

66
docs citations

66
times ranked

1792
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Self-Healing Concrete for Damage Management of Structures. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800074.	1.9	412
2	Metabolomic and high-throughput sequencing analysis – modern approach for the assessment of biodeterioration of materials from historic buildings. <i>Frontiers in Microbiology</i> , 2015, 6, 979.	1.5	86
3	When Salt Meddles Between Plant, Soil, and Microorganisms. <i>Frontiers in Plant Science</i> , 2020, 11, 553087.	1.7	83
4	First evaluation of the microbiome of built cultural heritage by using the Ion Torrent next generation sequencing platform. <i>International Biodeterioration and Biodegradation</i> , 2018, 131, 11-18.	1.9	61
5	Comparison of methods for identification of microbial communities in book collections: Culture-dependent (sequencing and MALDI-TOF MS) and culture-independent (Illumina MiSeq). <i>International Biodeterioration and Biodegradation</i> , 2018, 131, 51-59.	1.9	57
6	Biohydrogen production from fruit and vegetable waste, sugar beet pulp and corn silage via dark fermentation. <i>Renewable Energy</i> , 2020, 153, 1226-1237.	4.3	55
7	Synthesis, Structure and Antimicrobial Properties of Novel Benzalkonium Chloride Analogues with Pyridine Rings. <i>Molecules</i> , 2017, 22, 130.	1.7	34
8	Assessment of microbial contamination within working environments of different types of composting plants. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 466-478.	0.9	33
9	Disinfection of archival documents using thyme essential oil, silver nanoparticles misting and low temperature plasma. <i>Journal of Cultural Heritage</i> , 2017, 24, 69-77.	1.5	33
10	Antibacterial mechanisms of <i>Aronia melanocarpa</i> (Michx.), <i>Chaenomeles superba</i> Lindl. and <i>Cornus mas</i> L. leaf extracts. <i>Food Chemistry</i> , 2021, 350, 129218.	4.2	33
11	Colonising organisms as a biodegradation factor affecting historical wood materials at the former concentration camp of Auschwitz II – Birkenau. <i>International Biodeterioration and Biodegradation</i> , 2014, 86, 171-178.	1.9	31
12	Simultaneous Saccharification and Fermentation of Sugar Beet Pulp with Mixed Bacterial Cultures for Lactic Acid and Propylene Glycol Production. <i>Molecules</i> , 2016, 21, 1380.	1.7	31
13	The Renaissance of Plant Mucilage in Health Promotion and Industrial Applications: A Review. <i>Nutrients</i> , 2021, 13, 3354.	1.7	27
14	Assessment of biological colonization of historic buildings in the former Auschwitz II-Birkenau concentration camp. <i>Annals of Microbiology</i> , 2014, 64, 799-808.	1.1	26
15	Diversity of an aerial phototrophic coating of historic buildings in the former Auschwitz II-Birkenau concentration camp. <i>Science of the Total Environment</i> , 2014, 493, 116-123.	3.9	26
16	Analysis of paper foxing by newly available omics techniques. <i>International Biodeterioration and Biodegradation</i> , 2018, 132, 157-165.	1.9	25
17	Antigenotoxic activity of lactic acid bacteria, prebiotics, and products of their fermentation against selected mutagens. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 938-946.	1.3	24
18	<i>Candida albicans</i> Impairments Induced by Peppermint and Clove Oils at Sub-Inhibitory Concentrations. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1307.	1.8	24

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19	Abiotic Determinants of the Historical Buildings Biodeterioration in the Former Auschwitz II "Birkenau Concentration and Extermination Camp. PLoS ONE, 2014, 9, e109402.	1.1	24
20	Untargeted Metabolomics Approach in Halophiles: Understanding the Biodeterioration Process of Building Materials. Frontiers in Microbiology, 2017, 8, 2448.	1.5	23
21	The Impact of Ozone Treatment in Dynamic Bed Parameters on Changes in Biologically Active Substances of Juniper Berries. PLoS ONE, 2015, 10, e0144855.	1.1	22
22	Quaternary ammonium biocides as antimicrobial agents protecting historical wood and brick.. Acta Biochimica Polonica, 2016, 63, 153-159.	0.3	21
23	Microbial diversity of pre-Columbian archaeological textiles and the effect of silver nanoparticles misting disinfection. Journal of Cultural Heritage, 2017, 23, 138-147.	1.5	20
24	Estimation of fungal contamination and mycotoxin production at workplaces in composting plants, tanneries, archives and libraries. World Mycotoxin Journal, 2014, 7, 345-355.	0.8	18
25	Dust at Various Workplaces" Microbiological and Toxicological Threats. International Journal of Environmental Research and Public Health, 2018, 15, 877.	1.2	18
26	Production of the Allergenic Protein Alt a 1 by Alternaria Isolates from Working Environments. International Journal of Environmental Research and Public Health, 2015, 12, 2164-2183.	1.2	17
27	Protection of Historical Wood against Microbial Degradation" Selection and Application of Microbiocides. International Journal of Molecular Sciences, 2016, 17, 1364.	1.8	17
28	Viability, Enzymatic and Protein Profiles of Pseudomonas aeruginosa Biofilm and Planktonic Cells after Monomeric/Gemini Surfactant Treatment. Molecules, 2018, 23, 1294.	1.7	17
29	Interactions between fungi of standard paint test method BS3900. International Biodeterioration and Biodegradation, 2015, 104, 411-418.	1.9	16
30	THE EVALUATION OF MICROBIAL CONTAMINATION IN THE WORKING ENVIRONMENT OF TANNERIES. Medycyna Pracy, 2014, 65, 15-32.	0.3	16
31	Clone-based comparative sequence analysis of 16S rRNA genes retrieved from biodeteriorating brick buildings of the former Auschwitz II "Birkenau concentration and extermination camp. Systematic and Applied Microbiology, 2015, 38, 48-55.	1.2	14
32	Halophilic microbial communities in deteriorated buildings. World Journal of Microbiology and Biotechnology, 2015, 31, 1489-1499.	1.7	13
33	Toxinogenicity and cytotoxicity of Alternaria, Aspergillus and Penicillium moulds isolated from working environments. International Journal of Environmental Science and Technology, 2017, 14, 595-608.	1.8	12
34	Microbiological Contamination at Workplaces in a Combined Heat and Power (CHP) Station Processing Plant Biomass. International Journal of Environmental Research and Public Health, 2017, 14, 99.	1.2	12
35	Antifungal Activity of Polyoxometalate-Ionic Liquids on Historical Brick. Molecules, 2020, 25, 5663.	1.7	12
36	Environmental parameters conditioning microbially induced mineralization under the experimental model conditions.. Acta Biochimica Polonica, 2016, 63, 343-51.	0.3	12

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37	Attachment of <i>Asaia bogorensis</i> Originating in Fruit-Flavored Water to Packaging Materials. <i>BioMed Research International</i> , 2014, 2014, 1-6.	0.9	10
38	<i>Quillaja saponaria</i> Saponins with Potential to Enhance the Effectiveness of Disinfection Processes in the Beverage Industry. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 368.	1.3	10
39	High-throughput sequencing approach in analysis of microbial communities colonizing natural gas pipelines. <i>MicrobiologyOpen</i> , 2019, 8, e00806.	1.2	10
40	<i>Aronia melanocarpa</i> (Michx.) Elliot, <i>Chaenomeles superba</i> Lindl. and <i>Cornus mas</i> L. Leaf Extracts as Natural Preservatives for Pork Meat Products. <i>Molecules</i> , 2021, 26, 3009.	1.7	10
41	Application of molecular techniques for the assessment of microorganism diversity on cultural heritage objects. <i>Acta Biochimica Polonica</i> , 2014, 61, 217-25.	0.3	10
42	Factors Influencing Microbiological Biodiversity of Human Foot Skin. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3503.	1.2	9
43	Volatile compounds associated with growth of <i>Asaia bogorensis</i> and <i>Asaia lannensis</i> -unusual spoilage bacteria of functional beverages. <i>Food Research International</i> , 2019, 121, 379-386.	2.9	9
44	Antimicrobial properties of silver nanoparticles against biofilm formation by <i>Pseudomonas aeruginosa</i> on archaeological textiles. <i>Applied Environmental Biotechnology</i> , 2016, 1, 1.	1.0	9
45	Factors Determining the Biodiversity of Halophilic Microorganisms on Historic Masonry Buildings. <i>Microbes and Environments</i> , 2017, 32, 164-173.	0.7	8
46	Differentiation of strains from the <i>Bacillus cereus</i> group by RFLP-PFGE genomic fingerprinting. <i>Electrophoresis</i> , 2013, 34, 3023-3028.	1.3	7
47	Prebiotics and age, but not probiotics affect the transformation of 2-amino-3-methyl-3H-imidazo[4,5-f]quinoline (IQ) by fecal microbiota – An <i>in vitro</i> study. <i>Anaerobe</i> , 2016, 39, 124-135.	1.0	7
48	Halophilic microorganisms in deteriorated historic buildings: insights into their characteristics.. <i>Acta Biochimica Polonica</i> , 2016, 63, 335-41.	0.3	7
49	Pre-Columbian Archeological Textiles: A Source of <i>Pseudomonas aeruginosa</i> with Virulence Attributes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 116.	1.3	6
50	Identification of Carotenoids and Isoprenoid Quinones from <i>Asaia lannensis</i> and <i>Asaia bogorensis</i> . <i>Molecules</i> , 2017, 22, 1608.	1.7	5
51	Multistep approach to control microbial fouling of historic building materials by aerial phototrophs. <i>Biofouling</i> , 2019, 35, 284-298.	0.8	5
52	Influence of Gemini Surfactants on Biochemical Profile and Ultrastructure of <i>Aspergillus brasiliensis</i> . <i>Applied Sciences (Switzerland)</i> , 2019, 9, 245.	1.3	5
53	Interactions of fungi with titanium dioxide from paint coating. <i>Indoor and Built Environment</i> , 2018, 27, 263-269.	1.5	4
54	Xylose fermentation to optically pure L-lactate by isolates of <i>Enterococcus faecium</i> . <i>New Biotechnology</i> , 2012, 29, S62.	2.4	3

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55	Antagonistic Activity of Lactic Acid Bacteria and Rosa rugosa Thunb. Pseudo-Fruit Extracts against Staphylococcus spp. Strains. Applied Sciences (Switzerland), 2022, 12, 4005.	1.3	3
56	l-Lactic acid production from rye and oat grains. New Biotechnology, 2012, 29, S174.	2.4	1
57	Adhesive and hydrophobic properties of Pseudomonas aeruginosa and Pseudomonas cedrina associated with cosmetics. Ecological Questions, 0, 28, 41.	0.1	1
58	Isolation and characterization of Enterococcus faecium strains for calcium l-lactate production. New Biotechnology, 2012, 29, S56.	2.4	0
59	Calcium l-lactate recovery from l-lactic acid fermentation process. New Biotechnology, 2012, 29, S54.	2.4	0
60	Dynamics of calcium L-lactate fermentation by Lactobacillus rhamnosus in sugar beet thick juice and glucose based media. New Biotechnology, 2014, 31, S150.	2.4	0
61	Monitoring Bioadhesion and Biofilm Formation Within Biopits in Archaeological Potsherds by Microscopic Techniques. Microscopy and Microanalysis, 2020, 26, 109-110.	0.2	0
62	Halophilic microorganisms in deteriorated historic buildings: insights into their characteristics. Acta Biochimica Polonica, 0, , .	0.3	0