

Beata Gutarowska

List of Publications by Year in descending order

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112
papers

2,152
citations

236833

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all docs

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docs citations

116
times ranked

2236
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards understanding the link between the deterioration of building materials and the nature of aerophytic green algae. <i>Science of the Total Environment</i> , 2022, 802, 149856.	3.9	19
2	Microbiological and toxicological hazard assessment in a waste sorting plant and proper respiratory protection. <i>Journal of Environmental Management</i> , 2022, 303, 114257.	3.8	12
3	Antimicrobial Activities of Plant Extracts against <i>Solanum tuberosum</i> L. <i>Phytopathogens. Molecules</i> , 2022, 27, 1579.	1.7	13
4	Volatile Organic Compounds and Physiological Parameters as Markers of Potato (<i>Solanum tuberosum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	9
5	Metabolomics and metagenomics analysis of 18th century archaeological silk. <i>International Biodeterioration and Biodegradation</i> , 2021, 156, 105120.	1.9	5
6	Extreme Colonizers and Rapid Profiteers: The Challenging World of Microorganisms That Attack Paper and Parchment. , 2021, , 79-113.		8
7	Long-Lasting Photocatalytic and Antimicrobial Activity of Cotton Towels Modified with TiO ₂ and ZnO Nanoparticles. <i>Catalysts</i> , 2021, 11, 952.	1.6	6
8	Application of Olfactometry to Assess the Anti-Odor Properties of Filtering Facepiece Respirators Containing Activated Carbon Nonwovens. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8157.	1.2	0
9	The effect of ethylene oxide and silver nanoparticles on photographic models in the context of disinfection of photo albums. <i>Journal of Cultural Heritage</i> , 2021, 51, 59-70.	1.5	7
10	An In Vitro Study of Antibacterial Properties of Electrospun <i>Hypericum perforatum</i> Oil-Loaded Poly(lactic Acid) Nonwovens for Potential Biomedical Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8219.	1.3	10
11	Microbiological and Toxicological Hazards in Sewage Treatment Plant Bioaerosol and Dust. <i>Toxins</i> , 2021, 13, 691.	1.5	12
12	The Influence of the Mineral "Microbial Deodorizing Preparation on Ammonia Emission and Growth Performance in Turkey Production. <i>Atmosphere</i> , 2020, 11, 743.	1.0	2
13	Cotton Terry Textiles with Photo- and Bio-Activity in a Model Study and Real Conditions. <i>Materials</i> , 2020, 13, 3334.	1.3	3
14	Monitoring Bioadhesion and Biofilm Formation Within Biopits in Archaeological Potsherds by Microscopic Techniques. <i>Microscopy and Microanalysis</i> , 2020, 26, 109-110.	0.2	0
15	Analyses of microorganisms and metabolites diversity on historic photographs using innovative methods. <i>Journal of Cultural Heritage</i> , 2020, 45, 101-113.	1.5	15
16	Metabolomics and metagenomics characteristic of historic beeswax seals. <i>International Biodeterioration and Biodegradation</i> , 2020, 152, 105012.	1.9	11
17	Beeswax-Modified Textiles: Method of Preparation and Assessment of Antimicrobial Properties. <i>Polymers</i> , 2020, 12, 344.	2.0	19
18	Survival of Microorganisms on Filtering Respiratory Protective Devices Used at Agricultural Facilities. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2819.	1.2	2

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19	New Sulfur Organic Polymer-Concrete Composites Containing Waste Materials: Mechanical Characteristics and Resistance to Biocorrosion. <i>Materials</i> , 2019, 12, 2602.	1.3	18
20	Application of Biocides and Super-Absorbing Polymers to Enhance the Efficiency of Filtering Materials. <i>Molecules</i> , 2019, 24, 3339.	1.7	5
21	Factors Influencing Microbiological Biodiversity of Human Foot Skin. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3503.	1.2	9
22	Multistep approach to control microbial fouling of historic building materials by aerial phototrophs. <i>Biofouling</i> , 2019, 35, 284-298.	0.8	5
23	Survival of Microorganisms on Nonwovens Used for the Construction of Filtering Facepiece Respirators. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1154.	1.2	13
24	The Influence of the Mineral-Microbial Preparation on Ammonia Concentration and Productivity in Laying Hens Houses. <i>Atmosphere</i> , 2019, 10, 751.	1.0	7
25	Metabolic profiling of moulds with laser desorption/ionization mass spectrometry on gold nanoparticle enhanced target. <i>Analytical Biochemistry</i> , 2018, 549, 45-52.	1.1	11
26	Analysis of paper foxing by newly available omics techniques. <i>International Biodeterioration and Biodegradation</i> , 2018, 132, 157-165.	1.9	25
27	Interactions of fungi with titanium dioxide from paint coating. <i>Indoor and Built Environment</i> , 2018, 27, 263-269.	1.5	4
28	Low temperature plasma for textiles disinfection. <i>International Biodeterioration and Biodegradation</i> , 2018, 131, 97-106.	1.9	18
29	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
30	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
31	Application of <i>Cinnamomum zeylanicum</i> essential oil in vapour phase for heritage textiles disinfection. <i>International Biodeterioration and Biodegradation</i> , 2018, 131, 88-96.	1.9	21
32	Microbial Growth on Dust-Loaded Filtering Materials Used for the Protection of Respiratory Tract as a Factor Affecting Filtration Efficiency. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1902.	1.2	11
33	Dust at Various Workplaces – Microbiological and Toxicological Threats. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 877.	1.2	18
34	Odour reducing microbial-mineral additive for poultry manure treatment. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	3.3	25
35	Toxinogenicity and cytotoxicity of <i>Alternaria</i> , <i>Aspergillus</i> and <i>Penicillium</i> moulds isolated from working environments. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 595-608.	1.8	12
36	The impact of dust in filter materials of respiratory protective devices on the microorganisms viability. <i>International Journal of Industrial Ergonomics</i> , 2017, 58, 109-116.	1.5	10

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37	Metabolome profiles of moulds on carton-gypsum board and malt extract agar medium obtained using an AuNPET SALDI-ToF-MS method. <i>International Biodeterioration and Biodegradation</i> , 2017, 125, 13-23.	1.9	11
38	A novel microbial-mineral preparation for the removal of offensive odors from poultry manure. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 299-308.	1.9	20
39	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
40	Microbial diversity of pre-Columbian archaeological textiles and the effect of silver nanoparticles misting disinfection. <i>Journal of Cultural Heritage</i> , 2017, 23, 138-147.	1.5	20
41	Historical textiles – a review of microbial deterioration analysis and disinfection methods. <i>Textile Reseach Journal</i> , 2017, 87, 2388-2406.	1.1	48
42	Optimization of a Culture Medium Using the Taguchi Approach for the Production of Microorganisms Active in Odorous Compound Removal. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 756.	1.3	13
43	Time-Dependent Antimicrobial Activity of Filtering Nonwovens with Gemini Surfactant-Based Biocides. <i>Molecules</i> , 2017, 22, 1620.	1.7	15
44	Microbiological Contamination at Workplaces in a Combined Heat and Power (CHP) Station Processing Plant Biomass. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 99.	1.2	12
45	Odorous Compounds from Poultry Manure Induce DNA Damage, Nuclear Changes, and Decrease Cell Membrane Integrity in Chicken Liver Hepatocellular Carcinoma Cells. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 933.	1.2	13
46	Untargeted Metabolomics Approach in Halophiles: Understanding the Biodeterioration Process of Building Materials. <i>Frontiers in Microbiology</i> , 2017, 8, 2448.	1.5	23
47	Factors Determining the Biodiversity of Halophilic Microorganisms on Historic Masonry Buildings. <i>Microbes and Environments</i> , 2017, 32, 164-173.	0.7	8
48	Efficiency study of bioactive porous structures with time-dependent activity in filtering melt-blown nonwovens <i>Badanie skuteczności porowatych struktur bioaktywnych z funkcją... czasowej aktywacji we włókninach filtracyjnych melt-blown. Przemysł Chemiczny</i> , 2017, 1, 64-68.	0.0	1
49	Evaluation of the Survivability of Microorganisms Deposited on Filtering Respiratory Protective Devices under Varying Conditions of Humidity. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 98.	1.2	35
50	Evaluation of Microbiological and Chemical Contaminants in Poultry Farms. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 192.	1.2	64
51	Cytotoxicity of Odorous Compounds from Poultry Manure. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 1046.	1.2	16
52	Protection of Historical Wood against Microbial Degradation – Selection and Application of Microbiocides. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1364.	1.8	17
53	Quaternary ammonium biocides as antimicrobial agents protecting historical wood and brick.. <i>Acta Biochimica Polonica</i> , 2016, 63, 153-159.	0.3	21
54	Silver nanoparticles: a mechanism of action on moulds. <i>Metallomics</i> , 2016, 8, 1294-1302.	1.0	19

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55	The use of <i>Yucca schidigera</i> and microbial preparation for poultry manure deodorization and hygienization. <i>Journal of Environmental Management</i> , 2016, 170, 50-59.	3.8	34
56	Antimicrobial properties of silver nanoparticles misting on cotton fabrics. <i>Textile Research Journal</i> , 2016, 86, 812-822.	1.1	22
57	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
58	Halophilic microorganisms in deteriorated historic buildings: insights into their characteristics.. <i>Acta Biochimica Polonica</i> , 2016, 63, 335-41.	0.3	7
59	Environmental parameters conditioning microbially induced mineralization under the experimental model conditions.. <i>Acta Biochimica Polonica</i> , 2016, 63, 343-51.	0.3	12
60	Impact of a microbial-mineral biopreparation on microbial community and deodorization of manures. <i>Acta Biochimica Polonica</i> , 2015, 62, 791-798.	0.3	5
61	Production of the Allergenic Protein Alt a 1 by <i>Alternaria</i> Isolates from Working Environments. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 2164-2183.	1.2	17
62	Metabolomic and high-throughput sequencing analysisâ€”modern approach for the assessment of biodeterioration of materials from historic buildings. <i>Frontiers in Microbiology</i> , 2015, 6, 979.	1.5	86
63	Influence of the silver nanoparticles on microbial community in different environments. <i>Acta Biochimica Polonica</i> , 2015, 62, 721-724.	0.3	8
64	Influence of silver nanoparticles on metabolism and toxicity of moulds. <i>Acta Biochimica Polonica</i> , 2015, 62, 851-857.	0.3	42
65	PLA nonwovens modified with poly(dimethylaminoethyl methacrylate) as antimicrobial filter materials for workplaces. <i>Textile Research Journal</i> , 2015, 85, 1083-1094.	1.1	6
66	Assessment of microbiological contamination in the work environments of museums, archives and libraries. <i>Aerobiologia</i> , 2015, 31, 389-401.	0.7	71
67	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
68	Interactions between fungi of standard paint test method BS3900. <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 411-418.	1.9	16
69	Halophilic microbial communities in deteriorated buildings. <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 1489-1499.	1.7	13
70	Clone-based comparative sequence analysis of 16S rRNA genes retrieved from biodeteriorating brick buildings of the former Auschwitz IIâ€”Birkenau concentration and extermination camp. <i>Systematic and Applied Microbiology</i> , 2015, 38, 48-55.	1.2	14
71	Evaluation of ergosterol content in the air of various environments. <i>Aerobiologia</i> , 2015, 31, 33-44.	0.7	9
72	Assessment of exposure to fungi in the heavily contaminated work environment (a solid waste) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 <i>Environmental Health</i> , 2015, 28, 813-821.	0.6	7

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73	High-Density Polyethylene Composites Filled with Nanosilica Containing Immobilized Nanosilver or Nanocopper: Thermal, Mechanical, and Bactericidal Properties and Morphology and Interphase Characterization. <i>International Journal of Polymer Science</i> , 2014, 2014, 1-13.	1.2	21
74	Estimation of fungal contamination and mycotoxin production at workplaces in composting plants, tanneries, archives and libraries. <i>World Mycotoxin Journal</i> , 2014, 7, 345-355.	0.8	18
75	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
76	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
77	An airborne actinobacteria <i>Nocardiopsis alba</i> isolated from bioaerosol of a mushroom compost facility. <i>Aerobiologia</i> , 2014, 30, 413-422.	0.7	25
78	Removal of odorous compounds from poultry manure by microorganisms on perlite " bentonite carrier. <i>Journal of Environmental Management</i> , 2014, 141, 70-76.	3.8	35
79	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
80	Moulds in biodeterioration of technical materials. <i>Acta Universitatis Lodzianis Folia Biologica Et Oecologica</i> , 2014, 10, 27-39.	1.0	11
81	THE EVALUATION OF MICROBIAL CONTAMINATION IN THE WORKING ENVIRONMENT OF TANNERIES. <i>Medycyna Pracy</i> , 2014, 65, 15-32.	0.3	16
82	Abiotic Determinants of the Historical Buildings Biodeterioration in the Former Auschwitz II " Birkenau Concentration and Extermination Camp. <i>PLoS ONE</i> , 2014, 9, e109402.	1.1	24
83	Application of molecular techniques for the assessment of microorganism diversity on cultural heritage objects.. <i>Acta Biochimica Polonica</i> , 2014, 61, .	0.3	46
84	Application of Silver Nanoparticles for Disinfection of Materials to Protect Historical Objects. <i>Current Nanoscience</i> , 2014, 10, 277-286.	0.7	21
85	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
86	Electrospun polyacrylonitrile nanofibers modified by quaternary ammonium salts. <i>Journal of Applied Polymer Science</i> , 2013, 128, 767-775.	1.3	35
87	Antimicrobial activity of textiles with selected dyes and finishing agents used in the textile industry. <i>Fibers and Polymers</i> , 2013, 14, 415-422.	1.1	17
88	Effects of gamma radiation on the mechanical properties of and susceptibility to biodegradation of natural fibers. <i>Textile Research Journal</i> , 2013, 83, 44-55.	1.1	36
89	The Effectiveness of Photocatalytic Ionisation Disinfection of Filter Materials. <i>Polish Journal of Microbiology</i> , 2013, 62, 131-139.	0.6	3
90	An Investigation of Allergenic Proteins Produced by Moulds on Building Materials. <i>Indoor and Built Environment</i> , 2012, 21, 253-263.	1.5	9

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91	Novel Microorganisms Resistant HDPE Composites with Wood Fiber and Nanosilica Containing Immobilized Nanosilver. <i>Macromolecular Symposia</i> , 2012, 321-322, 105-111.	0.4	0
92	New Filtering Antimicrobial Nonwovens With Various Carriers for Biocides as Respiratory Protective Materials Against Bioaerosol. <i>International Journal of Occupational Safety and Ergonomics</i> , 2012, 18, 375-385.	1.1	16
93	Optimization and application of the misting method with silver nanoparticles for disinfection of the historical objects. <i>International Biodeterioration and Biodegradation</i> , 2012, 75, 167-175.	1.9	23
94	Analysis of the sensitivity of microorganisms contaminating museums and archives to silver nanoparticles. <i>International Biodeterioration and Biodegradation</i> , 2012, 68, 7-17.	1.9	71
95	Effect of Silica Containing Immobilized Nanosilver on the Structure and Selected Properties of Wood-Filled High-Density Polyethylene Composites. <i>Journal of Biobased Materials and Bioenergy</i> , 2012, 6, 370-379.	0.1	2
96	Analysis of the usefulness of adenosine triphosphate (ATP) determination and fluorescence microscopy methods for the evaluation of the viability and adhesion of bacteria on the surface of bioactive polymers. <i>Polimery</i> , 2012, 57, 236-245.	0.4	1
97	Concept for Development of Expert Computer Program for Identification of Filamentous Fungi. <i>Polish Journal of Microbiology</i> , 2012, 61, 169-181.	0.6	0
98	Concept for Development of Expert Computer Program for Identification of Filamentous Fungi. <i>Polish Journal of Microbiology</i> , 2012, 61, 169-181.	0.6	0
99	Estimation of fungal contamination of various plant materials with UV-determination of fungal ergosterol. <i>Annals of Microbiology</i> , 2010, 60, 415-422.	1.1	13
100	Aspects of Tests and Assessment of Filtering Materials Used for Respiratory Protection Against Bioaerosols. Part I: Type of Active Substance, Contact Time, Microorganism Species. <i>International Journal of Occupational Safety and Ergonomics</i> , 2010, 16, 263-273.	1.1	10
101	Aspects of Tests and Assessment of Filtering Materials Used for Respiratory Protection Against Bioaerosols. Part II: Sweat in the Environment, Microorganisms in the Form of a Bioaerosol. <i>International Journal of Occupational Safety and Ergonomics</i> , 2010, 16, 275-280.	1.1	11
102	New bioactive polymer filtering material composed of nonwoven polypropylene containing alkylammonium microbiocides on a perlite carrier. <i>Polimery</i> , 2010, 55, 568-574.	0.4	10
103	Metabolic Activity of Moulds as a Factor of Building Materials Biodegradation. <i>Polish Journal of Microbiology</i> , 2010, 59, 119-124.	0.6	44
104	Metabolic activity of moulds as a factor of building materials biodegradation. <i>Polish Journal of Microbiology</i> , 2010, 59, 119-24.	0.6	14
105	Is the risk of allergic hypersensitivity to fungi increased by indoor exposure to moulds?. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2009, 22, 343-54.	0.6	11
106	The ability of filamentous fungi to produce acids on indoor building materials. <i>Annals of Microbiology</i> , 2009, 59, 807-813.	1.1	40
107	Mathematical models of mycelium growth and ergosterol synthesis in stationary mould culture. <i>Letters in Applied Microbiology</i> , 2009, 48, 605-610.	1.0	28
108	Methods of mycological analysis in buildings. <i>Building and Environment</i> , 2007, 42, 1843-1850.	3.0	61

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109	Exposure to moulds in flats and the prevalence of allergic diseases--preliminary study. Polish Journal of Microbiology, 2005, 54 Suppl, 13-20.	0.6	0
110	Elaboration and application of mathematical model for estimation of mould contamination of some building materials based on ergosterol content determination. International Biodeterioration and Biodegradation, 2002, 49, 299-305.	1.9	47
111	Microbial Degradation of Woven Fabrics and Protection Against Biodegradation. , 0, , .		18
112	Halophilic microorganisms in deteriorated historic buildings: insights into their characteristics. Acta Biochimica Polonica, 0, , .	0.3	0