Agata Motyka

List of Publications by Year
in descending order

31 papers	624 citations	687363 13 h-index	610901 24 g-index
32 all docs	32 docs citations	32 times ranked	561 citing authors

#	Article	IF	Citations
1	Biodiversity of <i>Dickeya</i> spp. Isolated from Potato Plants and Water Sources in Temperate Climate. Plant Disease, 2016, 100, 408-417.	1.4	64
2	Simultaneous detection of major blackleg and soft rot bacterial pathogens in potato by multiplex polymerase chain reaction. Annals of Applied Biology, 2014, 165, 474-487.	2.5	56
3	Comparison of Highly and Weakly Virulent Dickeya solani Strains, With a View on the Pangenome and Panregulon of This Species. Frontiers in Microbiology, 2018, 9, 1940.	3.5	50
4	Molecular methods as tools to control plant diseases caused by Dickeya and Pectobacterium spp: A minireview. New Biotechnology, 2017, 39, 181-189.	4.4	45
5	Characterization of Dickeya and Pectobacterium strains obtained from diseased potato plants in different climatic conditions of Norway and Poland. European Journal of Plant Pathology, 2017, 148, 839-851.	1.7	42
6	Comparison of the characteristics of gold nanoparticles synthesized using aqueous plant extracts and natural plant essential oils of Eucalyptus globulus and Rosmarinus officinalis. Arabian Journal of Chemistry, 2019, 12, 4795-4805.	4.9	40
7	Antibacterial activity of caffeine against plant pathogenic bacteria. Acta Biochimica Polonica, 2015, 62, 605-612.	0.5	37
8	Population Structure and Biodiversity of <i>Pectobacterium parmentieri</i> Isolated from Potato Fields in Temperate Climate. Plant Disease, 2018, 102, 154-164.	1.4	37
9	Antibacterial Activity of Fructose-Stabilized Silver Nanoparticles Produced by Direct Current Atmospheric Pressure Glow Discharge towards Quarantine Pests. Nanomaterials, 2018, 8, 751.	4.1	29
10	High genomic variability in the plant pathogenic bacterium Pectobacterium parmentieri deciphered from de novo assembled complete genomes. BMC Genomics, 2018, 19, 751.	2.8	28
11	Diseases Caused by Pectobacterium and Dickeya Species Around the World. , 2021, , 215-261.		25
12	Application of Silver Nanostructures Synthesized by Cold Atmospheric Pressure Plasma for Inactivation of Bacterial Phytopathogens from the Genera Dickeya and Pectobacterium. Materials, 2018, 11, 331.	2.9	21
13	The structure of O-polysaccharides isolated from plant pathogenic bacteria Pectobacterium wasabiae IFB5408 and IFB5427. Carbohydrate Research, 2016, 426, 46-49.	2.3	18
14	The occurrence of bacteria from different species of Pectobacteriaceae on seed potato plantations in Poland. European Journal of Plant Pathology, 2021, 159, 309-325.	1.7	17
15	Comparative genomics and pangenome-oriented studies reveal high homogeneity of the agronomically relevant enterobacterial plant pathogen Dickeya solani. BMC Genomics, 2020, 21, 449.	2.8	16
16	Rapid eradication of bacterial phytopathogens by atmospheric pressure glow discharge generated in contact with a flowing liquid cathode. Biotechnology and Bioengineering, 2018, 115, 1581-1593.	3.3	15
17	The agr function and polymorphism: Impact on Staphylococcus aureus susceptibility to photoinactivation. Journal of Photochemistry and Photobiology B: Biology, 2013, 129, 100-107.	3.8	14
18	The uniform structure of O-polysaccharides isolated from Dickeya solani strains of different origin. Carbohydrate Research, 2017, 445, 40-43.	2.3	14

#	Article	IF	Citations
19	Implementation of a Non-Thermal Atmospheric Pressure Plasma for Eradication of Plant Pathogens from a Surface of Economically Important Seeds. International Journal of Molecular Sciences, 2021, 22, 9256.	4.1	9
20	The structure of the O-polysaccharide isolated from pectinolytic gram-negative bacterium Dickeya aquatica IFB0154 is different from the O-polysaccharides of other Dickeya species. Carbohydrate Research, 2020, 497, 108135.	2.3	7
21	Heterogenicity within the LPS Structure in Relation to the Chosen Genomic and Physiological Features of the Plant Pathogen Pectobacterium parmentieri. International Journal of Molecular Sciences, 2022, 23, 2077.	4.1	7
22	The First Polish Isolate of a Novel Species Pectobacterium aquaticum Originates from a Pomeranian Lake. International Journal of Environmental Research and Public Health, 2021, 18, 5041.	2.6	6
23	Growth of bacterial phytopathogens in animal manures. Acta Biochimica Polonica, 2017, 64, 151-159.	0.5	6
24	Fermented juices as reducing and capping agents for the biosynthesis of size-defined spherical gold nanoparticles. Journal of Saudi Chemical Society, 2018, 22, 767-776.	5.2	5
25	Cold atmospheric pressure plasmas as versatile tools for effective degradation of a mixture of hazardous and endocrine disturbing compounds from liquid wastes. Journal of Environmental Chemical Engineering, 2021, 9, 106718.	6.7	5
26	Multivariate Optimization of the FLC-dc-APGD-Based Reaction-Discharge System for Continuous Production of a Plasma-Activated Liquid of Defined Physicochemical and Anti-Phytopathogenic Properties. International Journal of Molecular Sciences, 2021, 22, 4813.	4.1	4
27	Comprehensive studies on the properties of apple juice treated by non-thermal atmospheric plasma in a flow-through system. Scientific Reports, 2020, 10, 21166.	3.3	3
28	Application of pulse-modulated radio-frequency atmospheric pressure glow discharge for degradation of doxycycline from a flowing liquid solution. Scientific Reports, 2022, 12, 7354.	3.3	3
29	PacBio-Based Protocol for Bacterial Genome Assembly. Methods in Molecular Biology, 2021, 2242, 3-14.	0.9	1
30	Influence of Exogenously Supplemented Caffeine on Cell Division, Germination, and Growth of Economically Important Plants. , 0, , .		0
31	Comparative Genomics, from the Annotated Genome to Valuable Biological Information: A Case Study. Methods in Molecular Biology, 2021, 2242, 91-112.	0.9	0