

# Agata Motyka

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Heterogenicity within the LPS Structure in Relation to the Chosen Genomic and Physiological Features of the Plant Pathogen <i>Pectobacterium parmentieri</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 2077.                                      | 4.1 | 7         |
| 2  | Application of pulse-modulated radio-frequency atmospheric pressure glow discharge for degradation of doxycycline from a flowing liquid solution. <i>Scientific Reports</i> , 2022, 12, 7354.  | 3.3 | 3         |
| 3  | The occurrence of bacteria from different species of Pectobacteriaceae on seed potato plantations in Poland. <i>European Journal of Plant Pathology</i> , 2021, 159, 309-325.  | 1.7 | 17        |
| 4  | Comparative Genomics, from the Annotated Genome to Valuable Biological Information: A Case Study. <i>Methods in Molecular Biology</i> , 2021, 2242, 91-112.  | 0.9 | 0         |
| 5  | Diseases Caused by <i>Pectobacterium</i> and <i>Dickeya</i> Species Around the World. , 2021, , 215-261.   |     | 25        |
| 6  | 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. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4813. | 4.1 | 4         |
| 7  | The First Polish Isolate of a Novel Species <i>Pectobacterium aquaticum</i> Originates from a Pomeranian Lake. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5041.  | 2.6 | 6         |
| 8  | Implementation of a Non-Thermal Atmospheric Pressure Plasma for Eradication of Plant Pathogens from a Surface of Economically Important Seeds. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9256.  | 4.1 | 9         |
| 9  | PacBio-Based Protocol for Bacterial Genome Assembly. <i>Methods in Molecular Biology</i> , 2021, 2242, 3-14.   | 0.9 | 1         |
| 10 | Cold atmospheric pressure plasmas as versatile tools for effective degradation of a mixture of hazardous and endocrine disturbing compounds from liquid wastes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106718.                                  | 6.7 | 5         |
| 11 | Comprehensive studies on the properties of apple juice treated by non-thermal atmospheric plasma in a flow-through system. <i>Scientific Reports</i> , 2020, 10, 21166.  | 3.3 | 3         |
| 12 | Comparative genomics and pangenome-oriented studies reveal high homogeneity of the agronomically relevant enterobacterial plant pathogen <i>Dickeya solani</i> . <i>BMC Genomics</i> , 2020, 21, 449.  | 2.8 | 16        |
| 13 | The structure of the O-polysaccharide isolated from pectinolytic gram-negative bacterium <i>Dickeya aquatica</i> IFB0154 is different from the O-polysaccharides of other <i>Dickeya</i> species. <i>Carbohydrate Research</i> , 2020, 497, 108135.                      | 2.3 | 7         |
| 14 | Comparison of the characteristics of gold nanoparticles synthesized using aqueous plant extracts and natural plant essential oils of <i>Eucalyptus globulus</i> and <i>Rosmarinus officinalis</i> . <i>Arabian Journal of Chemistry</i> , 2019, 12, 4795-4805.           | 4.9 | 40        |
| 15 | Rapid eradication of bacterial phytopathogens by atmospheric pressure glow discharge generated in contact with a flowing liquid cathode. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1581-1593.   | 3.3 | 15        |
| 16 | Fermented juices as reducing and capping agents for the biosynthesis of size-defined spherical gold nanoparticles. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 767-776.   | 5.2 | 5         |
| 17 | Population Structure and Biodiversity of <i>Pectobacterium parmentieri</i> Isolated from Potato Fields in Temperate Climate. <i>Plant Disease</i> , 2018, 102, 154-164.  | 1.4 | 37        |
| 18 | Antibacterial Activity of Fructose-Stabilized Silver Nanoparticles Produced by Direct Current Atmospheric Pressure Glow Discharge towards Quarantine Pests. <i>Nanomaterials</i> , 2018, 8, 751.   | 4.1 | 29        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Comparison of Highly and Weakly Virulent <i>Dickeya solani</i> Strains, With a View on the Pangenome and Panregulon of This Species. <i>Frontiers in Microbiology</i> , 2018, 9, 1940.  | 3.5 | 50        |
| 20 | High genomic variability in the plant pathogenic bacterium <i>Pectobacterium parmentieri</i> deciphered from de novo assembled complete genomes. <i>BMC Genomics</i> , 2018, 19, 751.   | 2.8 | 28        |
| 21 | Application of Silver Nanostructures Synthesized by Cold Atmospheric Pressure Plasma for Inactivation of Bacterial Phytopathogens from the Genera <i>Dickeya</i> and <i>Pectobacterium</i> . <i>Materials</i> , 2018, 11, 331.    | 2.9 | 21        |
| 22 | Characterization of <i>Dickeya</i> and <i>Pectobacterium</i> strains obtained from diseased potato plants in different climatic conditions of Norway and Poland. <i>European Journal of Plant Pathology</i> , 2017, 148, 839-851. | 1.7 | 42        |
| 23 | The uniform structure of O-polysaccharides isolated from <i>Dickeya solani</i> strains of different origin. <i>Carbohydrate Research</i> , 2017, 445, 40-43.  | 2.3 | 14        |
| 24 | Molecular methods as tools to control plant diseases caused by <i>Dickeya</i> and <i>Pectobacterium</i> spp: A minireview. <i>New Biotechnology</i> , 2017, 39, 181-189.  | 4.4 | 45        |
| 25 | Growth of bacterial phytopathogens in animal manures. <i>Acta Biochimica Polonica</i> , 2017, 64, 151-159.  | 0.5 | 6         |
| 26 | Biodiversity of <i>Dickeya</i> spp. Isolated from Potato Plants and Water Sources in Temperate Climate. <i>Plant Disease</i> , 2016, 100, 408-417.  | 1.4 | 64        |
| 27 | The structure of O-polysaccharides isolated from plant pathogenic bacteria <i>Pectobacterium wasabiae</i> IFB5408 and IFB5427. <i>Carbohydrate Research</i> , 2016, 426, 46-49.   | 2.3 | 18        |
| 28 | Antibacterial activity of caffeine against plant pathogenic bacteria. <i>Acta Biochimica Polonica</i> , 2015, 62, 605-612.  | 0.5 | 37        |
| 29 | Simultaneous detection of major blackleg and soft rot bacterial pathogens in potato by multiplex polymerase chain reaction. <i>Annals of Applied Biology</i> , 2014, 165, 474-487.  | 2.5 | 56        |
| 30 | The agr function and polymorphism: Impact on <i>Staphylococcus aureus</i> susceptibility to photoinactivation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 129, 100-107.                                 | 3.8 | 14        |
| 31 | Influence of Exogenously Supplemented Caffeine on Cell Division, Germination, and Growth of Economically Important Plants. , 0, , .   |     | 0         |