

# Katarzyna Otulak

## List of Publications by Year in descending order

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33  
papers

472  
citations

687363

13  
h-index

794594

19  
g-index

34  
all docs

34  
docs citations

34  
times ranked

457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Cell Wall Dynamics in Compatible and Incompatible Potato Response to Infection Caused by Potato Virus Y (PVYNTN). <i>International Journal of Molecular Sciences</i> , 2018, 19, 862.	4.1	55
2	The evidence of Tobacco rattle virus impact on host plant organelles ultrastructure. <i>Micron</i> , 2015, 70, 7-20.	2.2	32
3	Plant Cell Wall as a Key Player During Resistant and Susceptible Plant-Virus Interactions. <i>Frontiers in Microbiology</i> , 2021, 12, 656809.	3.5	30
4	The Respiratory Burst Oxidase Homolog D (RbohD) Cell and Tissue Distribution in Potatoâ€“Potato Virus Y (PVYNTN) Hypersensitive and Susceptible Reactions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2741.	4.1	23
5	The Expression of Potato Expansin A3 (StEXPA3) and Extensin4 (StEXT4) Genes with Distribution of StEXPAs and HRGPs-Extensin Changes as an Effect of Cell Wall Rebuilding in Two Types of PVYNTNâ€“ <i>Solanum tuberosum</i> Interactions. <i>Viruses</i> , 2020, 12, 66.	3.3	23
6	Cytopathological Potato virus Y structures during Solanaceous plants infection. <i>Micron</i> , 2012, 43, 839-850.	2.2	22
7	Respiratory Burst Oxidase Homologs RBOHD and RBOHF as Key Modulating Components of Response in Turnip Mosaic Virusâ€“ <i>Arabidopsis thaliana</i> (L.) Heyhn System. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8510.	4.1	22
8	Ultrastructural events during hypersensitive response of potato cv. Rywal infected with necrotic strains of potato virus Y. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 635-644.	2.1	20
9	Localisation of hydrogen peroxide accumulation during <i>Solanum tuberosum</i> cv. Rywal hypersensitive response to Potato virus Y. <i>Micron</i> , 2010, 41, 327-335.	2.2	20
10	Calciumâ€“and pHâ€“dependent localization of annexin A6 isoforms in Balb/3T3 fibroblasts reflecting their potential participation in vesicular transport. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 418-434.	2.6	19
11	Spatiotemporal Changes in Xylan-1/Xyloglucan and Xyloglucan Xyloglucosyl Transferase (XTH-Xet5) as a Step-In of Ultrastructural Cell Wall Remodelling in Potatoâ€“Potato Virus Y (PVYNTN) Hypersensitive and Susceptible Reaction. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2287.	4.1	19
12	The participation of plant cell organelles in compatible and incompatible potato virus Y-tobacco and -potato plant interaction. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 85-99.	2.1	17
13	Cellular localisation of calcium ions during potato hypersensitive response to Potato virus Y. <i>Micron</i> , 2011, 42, 381-391.	2.2	15
14	Ultrastructural Analysis of Prune Dwarf Virus Intercellular Transport and Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2570.	4.1	12
15	Diversity of serotypes and new cps loci variants among <i>Streptococcus suis</i> isolates from pigs in Poland and Belarus. <i>Veterinary Microbiology</i> , 2020, 240, 108534.	1.9	12
16	Molecular Biology of Prune Dwarf Virusâ€“A Lesser Known Member of the Bromoviridae but a Vital Component in the Dynamic Virusâ€“Host Cell Interaction Network. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2733.	4.1	11
17	Serological, molecular and immunofluorescent evidence for interference competition between isolates of <i>Potato virus Y</i> . <i>Plant Pathology</i> , 2018, 67, 1997-2012.	2.4	11
18	Dormancy removal by cold stratification increases glutathione and S-nitrosoglutathione content in apple seeds. <i>Plant Physiology and Biochemistry</i> , 2019, 138, 112-120.	5.8	11

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19	Ultrastructural Analysis of Cells From Bell Pepper ( <i>Capsicum annuum</i> ) Infected With Bell Pepper Endornavirus. <i>Frontiers in Plant Science</i> , 2020, 11, 491.	3.6	11
20	Modifications in Tissue and Cell Ultrastructure as Elements of Immunity-Like Reaction in <i>Chenopodium quinoa</i> against Prune Dwarf Virus (PDV). <i>Cells</i> , 2020, 9, 148.	4.1	10
21	Switch from heterotrophy to autotrophy of apple cotyledons depends on NO signal. <i>Planta</i> , 2015, 242, 1221-1236.	3.2	9
22	Ultrastructural Impact of Tobacco Rattle Virus on Tobacco and Pepper Ovary and Anther Tissues. <i>Journal of Phytopathology</i> , 2016, 164, 226-241.	1.0	9
23	Canavanine-Induced Decrease in Nitric Oxide Synthesis Alters Activity of Antioxidant System but Does Not Impact S-Nitrosoglutathione Catabolism in Tomato Roots. <i>Frontiers in Plant Science</i> , 2019, 10, 1077.	3.6	9
24	Subcellular localization of proteins associated with Prune dwarf virus replication. <i>European Journal of Plant Pathology</i> , 2017, 149, 653-668.	1.7	8
25	Glutathione Modulation in PVYNTN Susceptible and Resistant Potato Plant Interactions. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3797.	4.1	8
26	Cell-to-cell movement of three genera (+) ss RNA plant viruses. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 249-260.	2.1	7
27	Ultrastructural studies of plasmodesmatal and vascular translocation of tobacco rattle virus (TRV) in tobacco and potato. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1229-1238.	2.1	6
28	Ultrastructural insights into tomato infections caused by three different pathotypes of Pepino mosaic virus and immunolocalization of viral coat proteins. <i>Micron</i> , 2015, 79, 84-92.	2.2	6
29	Modulation of Expression of PVYNTN RNA-Dependent RNA Polymerase (Nib) and Heat Shock Cognate Host Protein HSC70 in Susceptible and Hypersensitive Potato Cultivars. <i>Vaccines</i> , 2021, 9, 1254.	4.4	6
30	Ultrastructural effects of infection caused by <i>Tobacco rattle virus</i> transmitted by <i>Trichodorus primitivus</i> in potato and tobacco tissues. <i>Canadian Journal of Plant Pathology</i> , 2012, 34, 126-138.	1.4	5
31	Phylogenetic Analysis of PDV Movement Protein Compared to Bromoviridae Members as Justification of Possible Intercellular Movement. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2015, 57, 106-114.	0.5	2
32	Necrosis in <i>Solanum Tuberosum</i> Stems Infected with Potato Virus Y by Grafting. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2010, 52, .	0.5	0
33	Ion-Exchange Membrane Chromatography as an Alternative Method of Separation of Potato y Virus. <i>Plant Breeding and Seed Science</i> , 2015, 72, 55-67.	0.1	0