

# Jan Lochman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9298231/publications.pdf>

Version: 2024-02-01

39  
papers

598  
citations

567281  
15  
h-index

677142  
22  
g-index

40  
all docs

40  
docs citations

40  
times ranked

976  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of the Hippocampal NMDA Receptor GluN1 Subunit and Its Splicing Isoforms in Schizophrenia: Postmortem Study. <i>Neurochemical Research</i> , 2010, 35, 994-1002.	3.3	44
2	Ergosterol treatment leads to the expression of a specific set of defence-related genes in tobacco. <i>Plant Molecular Biology</i> , 2006, 62, 43-51.	3.9	43
3	Effects of Isoflavone-Enriched Feed on the Rumen Microbiota in Dairy Cows. <i>PLoS ONE</i> , 2016, 11, e0154642.	2.5	43
4	Preliminary evidence for association between schizophrenia and polymorphisms in the regulatory Regions of the ADRA2A, DRD3 and SNAP-25 Genes. <i>Psychiatry Research</i> , 2013, 205, 7-12.	3.3	35
5	Plasma membrane order and fluidity are diversely triggered by elicitors of plant defence. <i>Journal of Experimental Botany</i> , 2016, 67, 5173-5185.	4.8	33
6	Redox regulation of plant S-nitrosoglutathione reductase activity through post-translational modifications of cysteine residues. <i>Biochemical and Biophysical Research Communications</i> , 2017, 494, 27-33.	2.1	32
7	CD36 gene polymorphism is associated with Alzheimer's disease. <i>Biochimie</i> , 2017, 135, 46-53.	2.6	29
8	Physiological and proteomic approaches to evaluate the role of sterol binding in elicitor-induced resistance. <i>Journal of Experimental Botany</i> , 2012, 63, 2203-2215.	4.8	27
9	Are there multiple mechanisms of anaerobic sulfur oxidation with ferric iron in <i>Acidithiobacillus ferrooxidans</i> ?. <i>Research in Microbiology</i> , 2016, 167, 357-366.	2.1	27
10	A Model of Aerobic and Anaerobic Metabolism of Hydrogen in the Extremophile <i>Acidithiobacillus ferrooxidans</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 610836.	3.5	25
11	Rapid Multiplex Real-Time PCR Method for the Detection and Quantification of Selected Cariogenic and Periodontal Bacteria. <i>Diagnostics</i> , 2020, 10, 8.	2.6	20
12	Construction of Cryptogein Mutants, a Proteinaceous Elicitor from <i>Phytophthora</i> , with Altered Abilities To Induce a Defense Reaction in Tobacco Cells. <i>Biochemistry</i> , 2005, 44, 6565-6572.	2.5	18
13	Ferrous iron oxidation by sulfur-oxidizing <i>Acidithiobacillus ferrooxidans</i> and analysis of the process at the levels of transcription and protein synthesis. <i>Antonie Van Leeuwenhoek</i> , 2013, 103, 905-919.	1.7	18
14	The elicitor $\beta$ -cryptogein's activity in tomato is mediated by jasmonic acid and ethylene signalling pathways independently of elicitor-sterol interactions. <i>Planta</i> , 2019, 249, 739-749.	3.2	16
15	Elicitor-membrane interaction is driven by a positive charge on the protein surface: Role of Lys13 residue in lipids loading and resistance induction. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 321-328.	5.8	15
16	Retinal arteriolar and venular diameters are widened in patients with schizophrenia. <i>Psychiatry and Clinical Neurosciences</i> , 2020, 74, 619-621.	1.8	15
17	Elicitor-Induced Distal Systemic Resistance in Plants is Mediated Through the Protein-Protein Interactions Influenced by Selected Lysine Residues. <i>Frontiers in Plant Science</i> , 2016, 7, 59.	3.6	13
18	Intervertebral disc penetration by antibiotics used prophylactically in spinal surgery: implications for the current standards and treatment of disc infections. <i>European Spine Journal</i> , 2019, 28, 783-791.	2.2	13

#	ARTICLE	IF	CITATIONS
19	Diverse responses of wild and cultivated tomato to BABA, oligandrin and <i>Oidium neolycopersici</i> infection. <i>Annals of Botany</i> , 2017, 119, mcw188.	2.9	11
20	Antibiotic Resistance in Wastewater and Its Impact on a Receiving River: A Case Study of WWTP Brno-Modřice, Czech Republic. <i>Water (Switzerland)</i> , 2021, 13, 2309.	2.7	11
21	Bacterial community dynamics in a rumen fluid bioreactor during in-vitro cultivation. <i>Journal of Biotechnology</i> , 2016, 234, 43-49.	3.8	10
22	Soybean-Derived Isoflavone Determination in Rumen Fluid and Milk by LC-MS-(TOF). <i>Journal of Chromatographic Science</i> , 2016, 54, 997-1003.	1.4	10
23	Methanogens Diversity during Anaerobic Sewage Sludge Stabilization and the Effect of Temperature. <i>Processes</i> , 2020, 8, 822.	2.8	10
24	Variations in rDNA ITS of Czech <i>Armillaria</i> species determined by PCR and HPLC. <i>Mycological Research</i> , 2004, 108, 1153-1161.	2.5	9
25	The rapid identification of European <i>Armillaria</i> species from soil samples by nested PCR. <i>FEMS Microbiology Letters</i> , 2004, 237, 105-110.	1.8	9
26	Association between 5q23.2-located polymorphism of CTXN3 gene (Cortixin 3) and schizophrenia in European-Caucasian males; implications for the aetiology of schizophrenia. <i>Behavioral and Brain Functions</i> , 2015, 11, 10.	3.3	7
27	Polymorphism Rs2421943 of the Insulin-Degrading Enzyme Gene and the Risk of Late-Onset Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2022, 19, 236-245.	1.4	7
28	Determination of in vitro isoflavone degradation in rumen fluid. <i>Journal of Dairy Science</i> , 2018, 101, 5134-5144.	3.4	6
29	Biological effects of oomycetes elicitors. <i>Plant Protection Science</i> , 2020, 56, 1-8.	1.4	6
30	Interactive effect of MTHFR and ADRA2A gene polymorphisms on pathogenesis of schizophrenia. <i>Neuroendocrinology Letters</i> , 2013, 34, 792-7.	0.2	6
31	Microbial Communities in Underground Gas Reservoirs Offer Promising Biotechnological Potential. <i>Fermentation</i> , 2022, 8, 251.	3.0	6
32	Novel PAX9 gene polymorphisms and mutations and susceptibility to tooth agenesis in the Czech population. <i>Neuroendocrinology Letters</i> , 2015, 36, 452-7.	0.2	5
33	The effect of cryptogin with changed abilities to transfer sterols and altered charge distribution on extracellular alkalization, ROS and NO generation, lipid peroxidation and LOX gene transcription in <i>Nicotiana tabacum</i> . <i>Plant Physiology and Biochemistry</i> , 2015, 97, 82-95.	5.8	4
34	The oligomeric states of elicitors affect the hypersensitive response and resistance in tobacco. <i>Journal of Experimental Botany</i> , 2021, 72, 3219-3234.	4.8	4
35	Protein S-nitrosation differentially modulates tomato responses to infection by hemi-biotrophic oomycetes of <i>Phytophthora</i> spp.. <i>Horticulture Research</i> , 2021, 8, 34.	6.3	4
36	MAMP (microbe-associated molecular pattern)-induced changes in plasma membrane-associated proteins. <i>Journal of Plant Physiology</i> , 2017, 210, 51-57.	3.5	2

#	ARTICLE	IF	CITATIONS
37	In vitro metabolism of red clover isoflavones in rumen fluid. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 1647-1654.	2.2	2
38	Structure-activity relationships of oomycete elicitors uncover the role of reactive oxygen and nitrogen species in triggering plant defense responses. Plant Science, 2022, 319, 111239.	3.6	2
39	Archaeal community dynamics in biogas fermentation at various temperatures assessed by mcrA amplicon sequencing using different primer pairs. World Journal of Microbiology and Biotechnology, 2021, 37, 188.	3.6	1