

Ludovit Skultety

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7099783/publications.pdf>

Version: 2024-02-01

91
papers

1,574
citations

304368

22
h-index

344852

36
g-index

92
all docs

92
docs citations

92
times ranked

1712
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass Spectrometry-Based Analysis of Proteomic Changes in the Root Tips of Flooded Soybean Seedlings. <i>Journal of Proteome Research</i> , 2012, 11, 372-385.	1.8	149
2	Comparative Proteomic Analysis of Early-Stage Soybean Seedlings Responses to Flooding by Using Gel and Gel-Free Techniques. <i>Journal of Proteome Research</i> , 2010, 9, 3989-4002.	1.8	116
3	Establishment of a genotyping scheme for <i>Coxiella burnetii</i> . <i>FEMS Microbiology Letters</i> , 2006, 254, 268-274.	0.7	89
4	Resolution of isomeric new designer stimulants using gas chromatography – Vacuum ultraviolet spectroscopy and theoretical computations. <i>Analytica Chimica Acta</i> , 2017, 971, 55-67.	2.6	67
5	Proteomic Analysis of Mature Soybean Seeds from the Chernobyl Area Suggests Plant Adaptation to the Contaminated Environment. <i>Journal of Proteome Research</i> , 2009, 8, 2915-2922.	1.8	61
6	Structural study on a lipopolysaccharide from <i>Coxiella burnetii</i> strain Nine Mile in avirulent phase II. <i>Carbohydrate Research</i> , 1996, 283, 175-185.	1.1	56
7	MS ^E Based Multiplex Protein Analysis Quantified Important Allergenic Proteins and Detected Relevant Peptides Carrying Known Epitopes in Wheat Grain Extracts. <i>Journal of Proteome Research</i> , 2013, 12, 4862-4869.	1.8	47
8	Diversity of <i>Coxiella</i> -like and <i>Francisella</i> -like endosymbionts, and <i>Rickettsia</i> spp., <i>Coxiella burnetii</i> as pathogens in the tick populations of Slovakia, Central Europe. <i>Ticks and Tick-borne Diseases</i> , 2018, 9, 1207-1211.	1.1	44
9	Comparative quantitative proteomic analysis of embryogenic and non-embryogenic calli in maize suggests the role of oxylipins in plant totipotency. <i>Journal of Proteomics</i> , 2014, 104, 57-65.	1.2	43
10	Insights into the early stage of <i>Pinus nigra</i> Arn. somatic embryogenesis using discovery proteomics. <i>Journal of Proteomics</i> , 2017, 169, 99-111.	1.2	40
11	Salt-induced subcellular kinase relocation and seedling susceptibility caused by overexpression of <i>Medicago</i> SIMKK in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 2335-2350.	2.4	37
12	Molecular evidence of <i>Rickettsia</i> spp. in ixodid ticks and rodents in suburban, natural and rural habitats in Slovakia. <i>Parasites and Vectors</i> , 2017, 10, 158.	1.0	36
13	Proteomics Analysis of Flax Grown in Chernobyl Area Suggests Limited Effect of Contaminated Environment on Seed Proteome. <i>Environmental Science & Technology</i> , 2010, 44, 6940-6946.	4.6	33
14	NMR study of virenose and dihydrohydroxystreptose isolated from <i>Coxiella burnetii</i> phase I lipopolysaccharide. <i>Carbohydrate Research</i> , 1998, 306, 291-296.	1.1	32
15	Detection and Identification of <i>Coxiella burnetii</i> Based on the Mass Spectrometric Analyses of the Extracted Proteins. <i>Analytical Chemistry</i> , 2008, 80, 7097-7104.	3.2	31
16	A comparative study of lipopolysaccharides from two <i>Coxiella burnetii</i> strains considered to be associated with acute and chronic Q fever. <i>Carbohydrate Polymers</i> , 1998, 35, 189-194.	5.1	28
17	<i>Coxiella burnetii</i> Glycomics and Proteomics – Tools for Linking Structure to Function. <i>Annals of the New York Academy of Sciences</i> , 2009, 1166, 67-78.	1.8	27
18	Proteomic comparison of virulent phase I and avirulent phase II of <i>Coxiella burnetii</i> , the causative agent of Q fever. <i>Journal of Proteomics</i> , 2011, 74, 1974-1984.	1.2	27

#	ARTICLE	IF	CITATIONS
19	Cyanide Stimulated Dissociation of Chloride from the Catalytic Center of Oxidized Cytochrome c Oxidase. <i>Biochemistry</i> , 2001, 40, 6061-6069.	1.2	25
20	The MSE-proteomic analysis of gliadins and glutenins in wheat grain identifies and quantifies proteins associated with celiac disease and baker's asthma. <i>Journal of Proteomics</i> , 2013, 93, 65-73.	1.2	25
21	The repellent efficacy of eleven essential oils against adult <i>Dermacentor reticulatus</i> ticks. <i>Ticks and Tick-borne Diseases</i> , 2017, 8, 780-786.	1.1	24
22	<i>Coxiella burnetii</i> Whole Cell Lysate Protein Identification by Mass Spectrometry and Tandem Mass Spectrometry. <i>Annals of the New York Academy of Sciences</i> , 2005, 1063, 115-122.	1.8	22
23	Identification of <i>Coxiella burnetii</i> surface-exposed and cell envelope associated proteins using a combined bioinformatics plus proteomics strategy. <i>Proteomics</i> , 2014, 14, 1868-1881.	1.3	22
24	Soybeans Grown in the Chernobyl Area Produce Fertile Seeds that Have Increased Heavy Metal Resistance and Modified Carbon Metabolism. <i>PLoS ONE</i> , 2012, 7, e48169.	1.1	22
25	Characterization of antigens for Q fever serodiagnostics. <i>Acta Virologica</i> , 2010, 54, 173-180.	0.3	21
26	Diversity and prevalence of <i>Bartonella</i> species in small mammals from Slovakia, Central Europe. <i>Parasitology Research</i> , 2017, 116, 3087-3095.	0.6	21
27	Do Cupins Have a Function Beyond Being Seed Storage Proteins?. <i>Frontiers in Plant Science</i> , 2015, 6, 1215.	1.7	19
28	<i>Coxiella burnetii</i> immunogenic proteins as a basis for new Q fever diagnostic and vaccine development. <i>Acta Virologica</i> , 2017, 61, 377-390.	0.3	19
29	Implications of ligand binding studies for the catalytic mechanism of cytochrome c oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1655, 298-305.	0.5	16
30	The Nucleoprotein of Lymphocytic Choriomeningitis Virus Facilitates Spread of Persistent Infection through Stabilization of the Keratin Network. <i>Journal of Virology</i> , 2009, 83, 7842-7849.	1.5	16
31	An efficient blue-white screening system for markerless deletions and stable integrations in <i>Streptomyces</i> chromosomes based on the blue pigment indigoidine biosynthetic gene <i>bpsA</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10231-10244.	1.7	16
32	Structural and Functional Characterization of the Glycan Antigens Involved in Immunobiology of Q Fever. <i>Annals of the New York Academy of Sciences</i> , 2005, 1063, 149-153.	1.8	15
33	Some possibilities of an analysis of complex samples by a mass spectrometry with a sample pretreatment by an offline coupled preparative capillary isotachopheresis. <i>Electrophoresis</i> , 2011, 32, 1273-1281.	1.3	14
34	Agricultural recovery of a formerly radioactive area: II. Systematic proteomic characterization of flax seed development in the remediated Chernobyl area. <i>Journal of Proteomics</i> , 2011, 74, 1378-1384.	1.2	14
35	Partially resistant <i>Cucurbita pepo</i> showed late onset of the Zucchini yellow mosaic virus infection due to rapid activation of defense mechanisms as compared to susceptible cultivar. <i>Frontiers in Plant Science</i> , 2015, 6, 263.	1.7	14
36	Radioactive Chernobyl Environment Has Produced High-Oil Flax Seeds That Show Proteome Alterations Related to Carbon Metabolism during Seed Development. <i>Journal of Proteome Research</i> , 2013, 12, 4799-4806.	1.8	13

#	ARTICLE	IF	CITATIONS
37	Structural Architectural Features of Cyclodextrin Oligoesters Revealed by Fragmentation Mass Spectrometry Analysis. <i>Molecules</i> , 2018, 23, 2259.	1.7	13
38	Identification of Carbonic Anhydrase I Immunodominant Epitopes Recognized by Specific Autoantibodies Which Indicate an Improved Prognosis in Patients with Malignancy after Autologous Stem Cell Transplantation. <i>Journal of Proteome Research</i> , 2010, 9, 5171-5179.	1.8	12
39	Agricultural recovery of a formerly radioactive area: I. Establishment of high-resolution quantitative protein map of mature flax seeds harvested from the remediated Chernobyl area. <i>Phytochemistry</i> , 2011, 72, 1308-1315.	1.4	12
40	Photosynthetic and Stress Responsive Proteins Are Altered More Effectively in <i>Nicotiana benthamiana</i> Infected with Plum pox virus Aggressive PPV-CR versus Mild PPV-C Cherry-Adapted Isolates. <i>Journal of Proteome Research</i> , 2018, 17, 3114-3127.	1.8	12
41	Triptolide induces apoptosis through the SERCA ³ upregulation in PC12 cells. <i>General Physiology and Biophysics</i> , 2014, 33, 137-144.	0.4	11
42	Cyclodextrins tethered with oligolactides – green synthesis and structural assessment. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 779-792.	1.3	11
43	A monoclonal antibody specific for a unique biomarker, virenose, in a lipopolysaccharide of <i>Coxiella burnetii</i> . <i>Clinical Microbiology and Infection</i> , 2009, 15, 183-184.	2.8	10
44	Overlap of epitopes recognized by anti-carbonic anhydrase I IgG in patients with malignancy-related aplastic anemia-like syndrome and in patients with aplastic anemia. <i>Immunology Letters</i> , 2013, 153, 47-49.	1.1	9
45	The molten-globule residual structure is critical for refluination of glucose oxidase. <i>Biophysical Chemistry</i> , 2017, 230, 74-83.	1.5	9
46	Survival of rat cerebrocortical neurons after rickettsial infection. <i>Microbes and Infection</i> , 2015, 17, 845-849.	1.0	8
47	Improved procedure for the drying and storage of polyacrylamide slab gels. <i>Biomedical Applications</i> , 1992, 582, 249-252.	1.7	7
48	Characterization and protective effect of a 29 kDa protein isolated from <i>Coxiella burnetii</i> by detergent Empigen BB. <i>European Journal of Epidemiology</i> , 1994, 10, 227-230.	2.5	7
49	Structural Features of Lipopolysaccharide from <i>Rickettsia Typhi</i> : The Causative Agent of Endemic Typhus. <i>Annals of the New York Academy of Sciences</i> , 2005, 1063, 259-260.	1.8	7
50	Reliable tool for detection of novel <i>Coxiella burnetii</i> antigens, using immobilized human polyclonal antibodies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1047, 84-91.	1.2	7
51	Silencing of carbonic anhydrase I enhances the malignant potential of exosomes secreted by prostatic tumour cells. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 3641-3655.	1.6	7
52	Comprehensive Comparison of Clinically Relevant Grain Proteins in Modern and Traditional Bread Wheat Cultivars. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3445.	1.8	7
53	Pathogenic microorganisms in ticks removed from Slovakian residents over the years 2008–2018. <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101626.	1.1	7
54	In silico prediction and identification of outer membrane proteins and lipoproteins from <i>Coxiella burnetii</i> by the mass spectrometry techniques. <i>Clinical Microbiology and Infection</i> , 2009, 15, 196-197.	2.8	6

#	ARTICLE	IF	CITATIONS
55	Culture Isolate of <i>Rickettsia felis</i> from a Tick. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4321.	1.2	6
56	Structural analyses of the lipopolysaccharides from <i>Chlamydomphila psittaci</i> strain 6BC and <i>Chlamydomphila pneumoniae</i> strain Kajaani 6. <i>Carbohydrate Research</i> , 2001, 336, 213-223.	1.1	5
57	Structural studies of lipid A from a lipopolysaccharide of the <i>Coxiella burnetii</i> isolate RSA 514 (Crazy). <i>Clinical Microbiology and Infection</i> , 2009, 15, 198-199.	2.8	5
58	Using 7 cm immobilized pH gradient strips to determine levels of clinically relevant proteins in wheat grain extracts. <i>Frontiers in Plant Science</i> , 2015, 6, 433.	1.7	5
59	Specific storage of glycoconjugates with terminal $\hat{\pm}$ -galactosyl moieties in the exocrine pancreas of Fabry disease patients with blood group B. <i>Glycobiology</i> , 2018, 28, 382-391.	1.3	5
60	Natural ecotype of <i>Arabidopsis thaliana</i> (L.) Heynh (Chernobyl-07) respond to cadmium stress more intensively than the sensitive ecotypes Oasis and Columbia. <i>Ecotoxicology and Environmental Safety</i> , 2019, 173, 86-95.	2.9	5
61	Evaluation of the possible use of genus <i>Mentha</i> derived essential oils in the prevention of SENLAT syndrome caused by <i>Rickettsia slovaca</i> . <i>Journal of Ethnopharmacology</i> , 2019, 232, 55-61.	2.0	5
62	Cost-effective indirect ELISA method for determination of recombinant human erythropoietin in production streams. <i>Chemical Papers</i> , 2019, 73, 713-718.	1.0	5
63	Proteomic analysis of <i>Rickettsia akari</i> proposes a 44 kDa-OMP as a potential biomarker for <i>Rickettsialpox</i> diagnosis. <i>BMC Microbiology</i> , 2020, 20, 200.	1.3	5
64	Case studies of rickettsiosis, anaplasmosis and Q fever in Slovak population from 2011 to 2020. <i>Biologia (Poland)</i> , 0, , 1.	0.8	5
65	Modifications in the glycerophospholipid composition between the <i>Coxiella burnetii</i> phase I and phase II cells suggest an association with phase variation of the bacterium. <i>Acta Virologica</i> , 2016, 60, 27-33.	0.3	5
66	In silico biosynthesis of virenose, a methylated deoxy-sugar unique to <i>Coxiella burnetii</i> lipopolysaccharide. <i>Proteome Science</i> , 2012, 10, 67.	0.7	4
67	New way of purification of pathogenic rickettsiae reducing health risks. <i>Acta Virologica</i> , 2016, 60, 206-210.	0.3	4
68	Silencing of CA1 mRNA in tumour cells does not change the gene expression of the extracellular matrix proteins. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 695-699.	1.6	4
69	Comparative proteomics of the vector <i>Dermacentor reticulatus</i> revealed differentially regulated proteins associated with pathogen transmission in response to laboratory infection with <i>Rickettsia slovaca</i> . <i>Parasites and Vectors</i> , 2019, 12, 318.	1.0	4
70	Revealing the seed proteome of the health benefitting grain amaranth (<i>Amaranthus cruentus</i> L.). <i>Chemical Papers</i> , 2016, 70, .	1.0	3
71	Two mice models for transferability of zoonotic bacteria via tick vector. <i>Acta Virologica</i> , 2017, 61, 372-376.	0.3	3
72	Workshop on Q fever. <i>Acta Virologica</i> , 2017, 61, 347-348.	0.3	3

#	ARTICLE	IF	CITATIONS
73	Proteomic analysis revealed the survival strategy of <i>Coxiella burnetii</i> to doxycycline exposure. <i>Journal of Proteomics</i> , 2019, 208, 103479.	1.2	3
74	Selection of adsorbents for recombinant human erythropoietin purification. <i>Separation and Purification Technology</i> , 2019, 228, 115761.	3.9	3
75	Soybean recovery from stress imposed by multigenerational growth in contaminated Chernobyl environment. <i>Journal of Plant Physiology</i> , 2020, 251, 153219.	1.6	3
76	Design of a three-step chromatographic process of recombinant human erythropoietin purification. <i>Separation and Purification Technology</i> , 2021, 267, 118673.	3.9	3
77	Initial proteomic characterization of IMMODIN, commercially available dialysable leukocytes extract. <i>Chemical Papers</i> , 2021, 75, 1959-1968.	1.0	3
78	Elimination of Isocyanate and Isothiocyanate Molecules at the Electrospray Ionization Ion Trap, Electrospray Ionization Quadrupole Time-of-Flight and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Tandem Mass Spectrometry Fragmentation of Sodium Cationized Brassitin, Brassinin and Their Glycosides. <i>European Journal of Mass Spectrometry</i> , 2007, 13, 147-154.	0.5	2
79	Establishing a Leaf Proteome Reference Map for <i>Ginkgo biloba</i> Provides Insight into Potential Ethnobotanical Uses. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 11547-11556.	2.4	2
80	Protein composition of the phase I <i>Coxiella burnetii</i> soluble antigen prepared by extraction with trichloroacetic acid. <i>Acta Virologica</i> , 2017, 61, 361-368.	0.3	2
81	Low-cost light-induced therapy to treat rickettsial infection. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 24, 150-152.	1.3	2
82	Structural and Functional Impact of Seven Missense Variants of Phenylalanine Hydroxylase. <i>Genes</i> , 2019, 10, 459.	1.0	2
83	PIMT Binding to C-Terminal Ala459 of CAIX Is Involved in Inside-Out Signaling Necessary for Its Catalytic Activity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8545.	1.8	2
84	Recent progress in glycomics and proteomics of the Q fever bacterium <i>Coxiella burnetii</i> . <i>Acta Virologica</i> , 2013, 57, 229-237.	0.3	1
85	Counting of viable <i>C. burnetii</i> cells by quantitative reverse transcription PCR using a recombinant plasmid (pCB-dotA) as a standard. <i>Acta Virologica</i> , 2018, 62, 409-414.	0.3	1
86	Transformation of hybrid black poplar with selective and reporter genes affects leaf proteome, yet without indication of a considerable environmental hazard. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	1
87	Functional and structural characterisation of 5 missense mutations of the phenylalanine hydroxylase. <i>General Physiology and Biophysics</i> , 2017, 36, 361-371.	0.4	0
88	The effect of wild thyme and bergamot essential oils on the growth of <i>Rickettsia slovaca</i> and <i>Rickettsia conorii caspia</i> in Vero cell line. <i>Travel Medicine and Infectious Disease</i> , 2018, 26, 69-71.	1.5	0
89	Autoimmune phenomena and spontaneous tumour regression. The role of carbonic anhydrase I. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 5339-5340.	1.6	0
90	Phase variation of <i>Coxiella burnetii</i> strain Priscilla: influence of this phenomenon on biochemical features of its lipopolysaccharide. <i>Journal of Endotoxin Research</i> , 2000, 6, 369-376.	2.5	0

#	ARTICLE	IF	CITATIONS
91	Techniques in Plant Proteomics. , 2010, , 469-491.		0