Ludovit Skultety

List of Publications by Year
in descending order

91	1,574	304368	344852
papers	citations	22 h-index	36 g-index

92	92	92	1712
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Culture Isolate of Rickettsia felis from a Tick. International Journal of Environmental Research and Public Health, 2022, 19, 4321.	1.2	6
2	Pathogenic microorganisms in ticks removed from Slovakian residents over the years 2008â€“2018. Ticks and Tick-borne Diseases, 2021, 12, 101626.	1.1	7
3	Autoimmune phenomena and spontaneous tumour regression. The role of carbonic anhydrase I. Journal of Cellular and Molecular Medicine, 2021, 25, 5339-5340.	1.6	0
4	Design of a three-step chromatographic process of recombinant human erythropoietin purification. Separation and Purification Technology, 2021, 267, 118673.	3.9	3
5	Initial proteomic characterization of IMMODIN, commercially available dialysable leukocytes extract. Chemical Papers, 2021, 75, 1959-1968.	1.0	3
6	PIMT Binding to C-Terminal Ala459 of CAIX Is Involved in Inside-Out Signaling Necessary for Its Catalytic Activity. International Journal of Molecular Sciences, 2020, 21, 8545.	1.8	2
7	Transformation of hybrid black poplar with selective and reporter genes affects leaf proteome, yet without indication of a considerable environmental hazard. Acta Physiologiae Plantarum, 2020, 42, 1.	1.0	1
8	Comprehensive Comparison of Clinically Relevant Grain Proteins in Modern and Traditional Bread Wheat Cultivars. International Journal of Molecular Sciences, 2020, 21, 3445.	1.8	7
9	Soybean recovery from stress imposed by multigenerational growth in contaminated Chernobyl environment. Journal of Plant Physiology, 2020, 251, 153219.	1.6	3
10	Proteomic analysis of Rickettsia akari proposes a 44â€‰kDa-OMP as a potential biomarker for Rickettsialpox diagnosis. BMC Microbiology, 2020, 20, 200.	1.3	5
11	Proteomic analysis revealed the survival strategy of Coxiella burnetii to doxycycline exposure. Journal of Proteomics, 2019, 208, 103479.	1.2	3
12	Selection of adsorbents for recombinant human erythropoietin purification. Separation and Purification Technology, 2019, 228, 115761.	3.9	3
13	Comparative proteomics of the vector Dermacentor reticulatus revealed differentially regulated proteins associated with pathogen transmission in response to laboratory infection with Rickettsia slovaca. Parasites and Vectors, 2019, 12, 318.	1.0	4
14	Structural and Functional Impact of Seven Missense Variants of Phenylalanine Hydroxylase. Genes, 2019, 10, 459.	1.0	2
15	Silencing of carbonic anhydrase I enhances the malignant potential of exosomes secreted by prostatic tumour cells. Journal of Cellular and Molecular Medicine, 2019, 23, 3641-3655.	1.6	7
16	Natural ecotype of Arabidopsis thaliana (L.) Heynh (Chernobyl-07) respond to cadmium stress more intensively than the sensitive ecotypes Oasis and Columbia. Ecotoxicology and Environmental Safety, 2019, 173, 86-95.	2.9	5
17	Evaluation of the possible use of genus Mentha derived essential oils in the prevention of SENLAT syndrome caused by Rickettsia slovaca. Journal of Ethnopharmacology, 2019, 232, 55-61.	2.0	5
18	Cost-effective indirect ELISA method for determination of recombinant human erythropoietin in production streams. Chemical Papers, 2019, 73, 713-718.	1.0	5

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19	Specific storage of glycoconjugates with terminal Î±-galactosyl moieties in the exocrine pancreas of Fabry disease patients with blood group B. Glycobiology, 2018, 28, 382-391.	1.3	5
20	Silencing of CA1 mRNA in tumour cells does not change the gene expression of the extracellular matrix proteins. Journal of Cellular and Molecular Medicine, 2018, 22, 695-699.	1.6	4
21	The effect of wild thyme and bergamot essential oils on the growth of Rickettsia slovaca and Rickettsia conorii caspia in Vero cell line. Travel Medicine and Infectious Disease, 2018, 26, 69-71.	1.5	0
22	Counting of viable C. burnetii cells by quantitative reverse transcription PCR using a recombinant plasmid (pCB-dotA) as a standard. Acta Virologica, 2018, 62, 409-414.	0.3	1
23	Structural Architectural Features of Cyclodextrin Oligoesters Revealed by Fragmentation Mass Spectrometry Analysis. Molecules, 2018, 23, 2259.	1.7	13
24	An efficient blue-white screening system for markerless deletions and stable integrations in Streptomyces chromosomes based on the blue pigment indigoidine biosynthetic gene bpsA. Applied Microbiology and Biotechnology, 2018, 102, 10231-10244.	1.7	16
25	Low-cost light-induced therapy to treat rickettsial infection. Photodiagnosis and Photodynamic Therapy, 2018, 24, 150-152.	1.3	2
26	Diversity of Coxiella-like and Francisella-like endosymbionts, and Rickettsia spp., Coxiella burnetii as pathogens in the tick populations of Slovakia, Central Europe. Ticks and Tick-borne Diseases, 2018, 9, 1207-1211.	1.1	44
27	Photosynthetic and Stress Responsive Proteins Are Altered More Effectively in Nicotiana benthamiana Infected with Plum pox virus Aggressive PPV-CR versus Mild PPV-C Cherry-Adapted Isolates. Journal of Proteome Research, 2018, 17, 3114-3127.	1.8	12
28	The repellent efficacy of eleven essential oils against adult Dermacentor reticulatus ticks. Ticks and Tick-borne Diseases, 2017, 8, 780-786.	1.1	24
29	Insights into the early stage of Pinus nigra Arn. somatic embryogenesis using discovery proteomics. Journal of Proteomics, 2017, 169, 99-111.	1.2	40
30	Resolution of isomeric new designer stimulants using gas chromatography â€“ Vacuum ultraviolet spectroscopy and theoretical computations. Analytica Chimica Acta, 2017, 971, 55-67.	2.6	67
31	Diversity and prevalence of Bartonella species in small mammals from Slovakia, Central Europe. Parasitology Research, 2017, 116, 3087-3095.	0.6	21
32	The molten-globule residual structure is critical for reflavination of glucose oxidase. Biophysical Chemistry, 2017, 230, 74-83.	1.5	9
33	Molecular evidence of Rickettsia spp. in ixodid ticks and rodents in suburban, natural and rural habitats in Slovakia. Parasites and Vectors, 2017, 10, 158.	1.0	36
34	Reliable tool for detection of novel Coxiella burnetii antigens, using immobilized human polyclonal antibodies. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1047, 84-91.	1.2	7
35	Coxiella burnetii immunogenic proteins as a basis for new Q fever diagnostic and vaccine development. Acta Virologica, 2017, 61, 377-390.	0.3	19
36	Cyclodextrins tethered with oligolactides â€“ green synthesis and structural assessment. Beilstein Journal of Organic Chemistry, 2017, 13, 779-792.	1.3	11

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37	Two mice models for transferability of zoonotic bacteria via tick vector. Acta Virologica, 2017, 61, 372-376.	0.3	3
38	Functional and structural characterisation of 5 missense mutations of the phenylalanine hydroxylase. General Physiology and Biophysics, 2017, 36, 361-371.	0.4	0
39	Protein composition of the phase I Coxiella burnetii soluble antigen prepared by extraction with trichloroacetic acid. Acta Virologica, 2017, 61, 361-368.	0.3	2
40	Workshop on Q fever. Acta Virologica, 2017, 61, 347-348.	0.3	3
41	New way of purification of pathogenic rickettsiae reducing health risks. Acta Virologica, 2016, 60, 206-210.	0.3	4
42	Revealing the seed proteome of the health benefitting grain amaranth (Amaranthus cruentus L.). Chemical Papers, 2016, 70, .	1.0	3
43	Modifications in the glycerophospholipid composition between the Coxiella burnetii phase IÂand phase II cells suggest an association with phase variation of the bacterium. Acta Virologica, 2016, 60, 27-33.	0.3	5
44	Survival of rat cerebrocortical neurons after rickettsial infection. Microbes and Infection, 2015, 17, 845-849.	1.0	8
45	Partially resistant Cucurbita pepo showed late onset of the Zucchini yellow mosaic virus infection due to rapid activation of defense mechanisms as compared to susceptible cultivar. Frontiers in Plant Science, 2015, 6, 263.	1.7	14
46	Using 7 cm immobilized pH gradient strips to determine levels of clinically relevant proteins in wheat grain extracts. Frontiers in Plant Science, 2015, 6, 433.	1.7	5
47	Do Cupins Have a Function Beyond Being Seed Storage Proteins?. Frontiers in Plant Science, 2015, 6, 1215.	1.7	19
48	Triptolide induces apoptosis through the SERCAâ€¯3 upregulation in PC12 cells. General Physiology and Biophysics, 2014, 33, 137-144.	0.4	11
49	Salt-induced subcellular kinase relocation and seedling susceptibility caused by overexpression of Medicago SIMKK in Arabidopsis. Journal of Experimental Botany, 2014, 65, 2335-2350.	2.4	37
50	Comparative quantitative proteomic analysis of embryogenic and non-embryogenic calli in maize suggests the role of oxylipins in plant totipotency. Journal of Proteomics, 2014, 104, 57-65.	1.2	43
51	Establishing a Leaf Proteome Reference Map for Ginkgo biloba Provides Insight into Potential Ethnobotanical Uses. Journal of Agricultural and Food Chemistry, 2014, 62, 11547-11556.	2.4	2
52	Identification ofCoxiella burnetiisurface-exposed and cell envelope associated proteins using a combined bioinformatics plus proteomics strategy. Proteomics, 2014, 14, 1868-1881.	1.3	22
53	MS^E Based Multiplex Protein Analysis Quantified Important Allergenic Proteins and Detected Relevant Peptides Carrying Known Epitopes in Wheat Grain Extracts. Journal of Proteome Research, 2013, 12, 4862-4869.	1.8	47
54	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. Immunology Letters, 2013, 153, 47-49.	1.1	9

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55	The MSE-proteomic analysis of gliadins and glutenins in wheat grain identifies and quantifies proteins associated with celiac disease and baker's asthma. Journal of Proteomics, 2013, 93, 65-73.	1.2	25
56	Radioactive Chernobyl Environment Has Produced High-Oil Flax Seeds That Show Proteome Alterations Related to Carbon Metabolism during Seed Development. Journal of Proteome Research, 2013, 12, 4799-4806.	1.8	13
57	Recent progress in glycomics and proteomics of the Q fever bacterium Coxiella burnetii. Acta Virologica, 2013, 57, 229-237.	0.3	1
58	In silico biosynthesis of virenose, a methylated deoxy-sugar unique to Coxiella burnetii lipopolysaccharide. Proteome Science, 2012, 10, 67.	0.7	4
59	Mass Spectrometry-Based Analysis of Proteomic Changes in the Root Tips of Flooded Soybean Seedlings. Journal of Proteome Research, 2012, 11, 372-385.	1.8	149
60	Soybeans Grown in the Chernobyl Area Produce Fertile Seeds that Have Increased Heavy Metal Resistance and Modified Carbon Metabolism. PLoS ONE, 2012, 7, e48169.	1.1	22
61	Proteomic comparison of virulent phase I and avirulent phase II of Coxiella burnetii, the causative agent of Q fever. Journal of Proteomics, 2011, 74, 1974-1984.	1.2	27
62	Some possibilities of an analysis of complex samples by a mass spectrometry with a sample pretreatment by an offline coupled preparative capillary isotachophoresis. Electrophoresis, 2011, 32, 1273-1281.	1.3	14
63	Agricultural recovery of a formerly radioactive area: II. Systematic proteomic characterization of flax seed development in the remediated Chernobyl area. Journal of Proteomics, 2011, 74, 1378-1384.	1.2	14
64	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. Phytochemistry, 2011, 72, 1308-1315.	1.4	12
65	Characterization of antigens for Q fever serodiagnostics. Acta Virologica, 2010, 54, 173-180.	0.3	21
66	Comparative Proteomic Analysis of Early-Stage Soybean Seedlings Responses to Flooding by Using Gel and Gel-Free Techniques. Journal of Proteome Research, 2010, 9, 3989-4002.	1.8	116
67	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. Journal of Proteome Research, 2010, 9, 5171-5179.	1.8	12
68	Proteomics Analysis of Flax Grown in Chernobyl Area Suggests Limited Effect of Contaminated Environment on Seed Proteome. Environmental Science & Technology, 2010, 44, 6940-6946.	4.6	33
69	Techniques in Plant Proteomics. , 2010, , 469-491.		0
70	The Nucleoprotein of Lymphocytic Choriomeningitis Virus Facilitates Spread of Persistent Infection through Stabilization of the Keratin Network. Journal of Virology, 2009, 83, 7842-7849.	1.5	16
71	Coxiella burnetii Glycomics and Proteomicsâ€"Tools for Linking Structure to Function. Annals of the New York Academy of Sciences, 2009, 1166, 67-78.	1.8	27
72	A monoclonal antibody specific for a unique biomarker, virenose, in a lipopolysaccharide of Coxiella burnetii. Clinical Microbiology and Infection, 2009, 15, 183-184.	2.8	10

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73	In silico prediction and identification of outer membrane proteins and lipoproteins from Coxiella burnetii by the mass spectrometry techniques. Clinical Microbiology and Infection, 2009, 15, 196-197.	2.8	6
74	Structural studies of lipid A from a lipopolysaccharide of the Coxiella burnetii isolate RSA 514 (Crazy). Clinical Microbiology and Infection, 2009, 15, 198-199.	2.8	5
75	Proteomic Analysis of Mature Soybean Seeds from the Chernobyl Area Suggests Plant Adaptation to the Contaminated Environment. Journal of Proteome Research, 2009, 8, 2915-2922.	1.8	61
76	Detection and Identification of Coxiella burnetii Based on the Mass Spectrometric Analyses of the Extracted Proteins. Analytical Chemistry, 2008, 80, 7097-7104.	3.2	31
77	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. European Journal of Mass Spectrometry, 2007, 13, 147-154.	0.5	2
78	Establishment of a genotyping scheme forCoxiella burnetii. FEMS Microbiology Letters, 2006, 254, 268-274.	0.7	89
79	Coxiella burnetii Whole Cell Lysate Protein Identification by Mass Spectrometry and Tandem Mass Spectrometry. Annals of the New York Academy of Sciences, 2005, 1063, 115-122.	1.8	22
80	Structural and Functional Characterization of the Glycan Antigens Involved in Immunobiology of Q Fever. Annals of the New York Academy of Sciences, 2005, 1063, 149-153.	1.8	15
81	Structural Features of Lipopolysaccharide from Rickettsia Typhi: The Causative Agent of Endemic Typhus. Annals of the New York Academy of Sciences, 2005, 1063, 259-260.	1.8	7
82	Implications of ligand binding studies for the catalytic mechanism of cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1655, 298-305.	0.5	16
83	Cyanide Stimulated Dissociation of Chloride from the Catalytic Center of Oxidized Cytochrome c Oxidase. Biochemistry, 2001, 40, 6061-6069.	1.2	25
84	Structural analyses of the lipopolysaccharides from Chlamydophila psittaci strain 6BC and Chlamydophila pneumoniae strain Kajaani 6. Carbohydrate Research, 2001, 336, 213-223.	1.1	5
85	Phase variation of <I>Coxiella burneti0i</I> strain Priscilla: influence of this phenomenon on biochemical features of its lipopolysaccharide. Journal of Endotoxin Research, 2000, 6, 369-376.	2.5	0
86	NMR study of virenose and dihydrohydroxystreptose isolated from Coxiella burnetii phase I lipopolysaccharide. Carbohydrate Research, 1998, 306, 291-296.	1.1	32
87	A comparative study of lipopolysaccharides from two Coxiella burnetii strains considered to be associated with acute and chronic Q fever. Carbohydrate Polymers, 1998, 35, 189-194.	5.1	28
88	Structural study on a lipopolysaccharide from Coxiella burnetii strain Nine Mile in avirulent phase II. Carbohydrate Research, 1996, 283, 175-185.	1.1	56
89	Characterization and protective effect of a 29 kDa protein isolated fromCoxiella burnetii by detergent Empigen BB. European Journal of Epidemiology, 1994, 10, 227-230.	2.5	7
90	Improved procedure for the drying and storage of polyacrylamide slab gels. Biomedical Applications, 1992, 582, 249-252.	1.7	7

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91	Case studies of rickettsiosis, anaplasmosis and Q fever in Slovak population from 2011 to 2020. Biologia (Poland), 0, , 1.	0.8	5