Karel Harant

List of Publications by Year
in descending order

33 papers	747 citations	516710 16 h-index	552781 26 g-index
34 all docs	34 docs citations	34 times ranked	3170 citing authors

#	Article	IF	Citations
1	Proteomic Analysis of Trichomonas vaginalis Phagolysosome, Lysosomal Targeting, and Unconventional Secretion of Cysteine Peptidases. Molecular and Cellular Proteomics, 2022, 21, 100174.	3.8	6
2	Honey proteome of the bumblebee Bombus terrestris: similarities, differences, and exceptionality compared to honey bee honey as signatures of eusociality evolution. Apidologie, 2022, 53, 1.	2.0	2
3	Double-Stranded RNA Viruses Are Released From Trichomonas vaginalis Inside Small Extracellular Vesicles and Modulate the Exosomal Cargo. Frontiers in Microbiology, 2022, 13, .	3.5	10
4	Proteogenomic insight into the basis of the insecticide tolerance/resistance of the pollen beetle Brassicogethes (Meligethes) aeneus. Journal of Proteomics, 2021, 233, 104086.	2.4	1
5	A single honey proteome dataset for identifying adulteration by foreign amylases and mining various protein markers natural to honey. Journal of Proteomics, 2021, 239, 104157.	2.4	15
6	DIOXYGENASE FOR AUXIN OXIDATION 1 catalyzes the oxidation of IAA amino acid conjugates. Plant Physiology, 2021, 187, 103-115.	4.8	22
7	Analysis of diverse eukaryotes suggests the existence of an ancestral mitochondrial apparatus derived from the bacterial type II secretion system. Nature Communications, 2021, 12, 2947.	12.8	19
8	Label-free proteomic analysis reveals differentially expressed Wolbachia proteins in Tyrophagus putrescentiae: Mite allergens and markers reflecting population-related proteome differences. Journal of Proteomics, 2021, 249, 104356.	2.4	10
9	Proteogenomics of the house dust mite, Dermatophagoides farinae: Allergen repertoire, accurate allergen identification, isoforms, and sex-biased proteome differences. Journal of Proteomics, 2020, 210, 103535.	2.4	13
10	Anaerobic peroxisomes in Mastigamoeba balamuthi. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2065-2075.	7.1	19
11	Systematic analysis of the <scp>IL</scp> â€17 receptor signalosome reveals a robust regulatory feedback loop. EMBO Journal, 2020, 39, e104202.	7.8	16
12	High-throughput transcriptomic and proteomic profiling of mesenchymal-amoeboid transition in 3D collagen. Scientific Data, 2020, 7, 160.	5.3	15
13	Varroa destructor parasitism has a greater effect on proteome changes than the deformed wing virus and activates TGF-Î² signaling pathways. Scientific Reports, 2019, 9, 9400.	3.3	27
14	A three-pronged â€œPitchforkâ€•strategy enables an extensive description of the human membrane proteome and the identification of missing proteins. Journal of Proteomics, 2019, 204, 103411.	2.4	3
15	The Unique Protein Composition of Honey Revealed by Comprehensive Proteomic Analysis: Allergens, Venom-like Proteins, Antibacterial Properties, Royal Jelly Proteins, Serine Proteases, and Their Inhibitors. Journal of Natural Products, 2019, 82, 1217-1226.	3.0	42
16	Chronic exposure of bumblebees to neonicotinoid imidacloprid suppresses the entire mevalonate pathway and fatty acid synthesis. Journal of Proteomics, 2019, 196, 69-80.	2.4	29
17	The effect of Ï‰-3 polyunsaturated fatty acids on the liver lipidome, proteome and bile acid profile: parenteral versus enteral administration. Scientific Reports, 2019, 9, 19097.	3.3	11
18	Dynamic secretome of Trichomonas vaginalis: Case study of Î²-amylases. Molecular and Cellular Proteomics, 2018, 17, 304-320.	3.8	40

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19	The Influence of Metabolic Surgery and Endoscopy on Serum Proteome in Subjects with Obesity and Type 2 Diabetes Mellitus. Diabetes, 2018, 67, 1974-P.	0.6	0
20	Detailed two-dimensional gel proteomic mapping of the feces of the house dust mite Dermatophagoides pteronyssinus and comparison with D. farinae: Reduced trypsin protease content in D. pteronyssinus and different isoforms. Journal of Proteomics, 2017, 162, 11-19.	2.4	28
21	Lateral gene transfer of pâ€cresolâ€and indoleâ€producing enzymes from environmental bacteria to <scp>M</scp>astigamoeba balamuthi. Environmental Microbiology, 2017, 19, 1091-1102.	3.8	10
22	Beyond the survival and death of the deltamethrin-threatened pollen beetle Meligethes aeneus : An in-depth proteomic study employing a transcriptome database. Journal of Proteomics, 2017, 150, 281-289.	2.4	21
23	Feces Derived Allergens of Tyrophagus putrescentiae Reared on Dried Dog Food and Evidence of the Strong Nutritional Interaction between the Mite and Bacillus cereus Producing Protease Bacillolysins and Exo-chitinases. Frontiers in Physiology, 2016, 7, 53.	2.8	42
24	Detailed proteome mapping of newly emerged honeybee worker hemolymph and comparison with the red-eye pupal stage. Apidologie, 2016, 47, 805-817.	2.0	17
25	Minimal cytosolic ironâ€sulfur cluster assembly machinery of Giardia intestinalis is partially associated with mitosomes. Molecular Microbiology, 2016, 102, 701-714.	2.5	19
26	Large-scale identification of membrane proteins based on analysis of trypsin-protected transmembrane segments. Journal of Proteomics, 2016, 149, 15-22.	2.4	12
27	In-depth proteomic analysis of Varroa destructor: Detection of DWV-complex, ABPV, VdMLV and honeybee proteins in the mite. Scientific Reports, 2015, 5, 13907.	3.3	42
28	Giardia intestinalis Incorporates Heme into Cytosolic Cytochrome b ₅. Eukaryotic Cell, 2014, 13, 231-239.	3.4	19
29	Two-dimensional gel proteome analysis of honeybee, Apis mellifera, worker red-eye pupa hemolymph. Apidologie, 2014, 45, 53-72.	2.0	15
30	NIF-type iron-sulfur cluster assembly system is duplicated and distributed in the mitochondria and cytosol of Mastigamoeba balamuthi. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7371-7376.	7.1	60
31	Cell Differentiation within a Yeast Colony: Metabolic and Regulatory Parallels with a Tumor-Affected Organism. Molecular Cell, 2012, 46, 436-448.	9.7	112
32	Secondary alcohol dehydrogenase catalyzes the reduction of exogenous acetone to 2â€propanol in Trichomonasâ€fvaginalis. FEBS Journal, 2012, 279, 2768-2780.	4.7	15
33	Putative role for ABC multidrug exporters in yeast quorum sensing. FEBS Letters, 2009, 583, 1107-1113.	2.8	34