

# Karel Harant

## List of Publications by Year in descending order

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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	Cell Differentiation within a Yeast Colony: Metabolic and Regulatory Parallels with a Tumor-Affected Organism. <i>Molecular Cell</i> , 2012, 46, 436-448.	9.7	112
2	NIF-type iron-sulfur cluster assembly system is duplicated and distributed in the mitochondria and cytosol of <i>Mastigamoeba balamuthi</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7371-7376.	7.1	60
3	In-depth proteomic analysis of <i>Varroa destructor</i> : Detection of DWV-complex, ABPV, VdMLV and honeybee proteins in the mite. <i>Scientific Reports</i> , 2015, 5, 13907.	3.3	42
4	Feces Derived Allergens of <i>Tyrophagus putrescentiae</i> Reared on Dried Dog Food and Evidence of the Strong Nutritional Interaction between the Mite and <i>Bacillus cereus</i> Producing Protease Bacillolysins and Exo-chitinases. <i>Frontiers in Physiology</i> , 2016, 7, 53.	2.8	42
5	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. <i>Journal of Natural Products</i> , 2019, 82, 1217-1226.	3.0	42
6	Dynamic secretome of <i>Trichomonas vaginalis</i> : Case study of $\beta$ -amylases. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 304-320.	3.8	40
7	Putative role for ABC multidrug exporters in yeast quorum sensing. <i>FEBS Letters</i> , 2009, 583, 1107-1113.	2.8	34
8	Chronic exposure of bumblebees to neonicotinoid imidacloprid suppresses the entire mevalonate pathway and fatty acid synthesis. <i>Journal of Proteomics</i> , 2019, 196, 69-80.	2.4	29
9	Detailed two-dimensional gel proteomic mapping of the feces of the house dust mite <i>Dermatophagoides pteronyssinus</i> and comparison with <i>D. farinae</i> : Reduced trypsin protease content in <i>D. pteronyssinus</i> and different isoforms. <i>Journal of Proteomics</i> , 2017, 162, 11-19.	2.4	28
10	<i>Varroa destructor</i> parasitism has a greater effect on proteome changes than the deformed wing virus and activates TGF- $\beta$ signaling pathways. <i>Scientific Reports</i> , 2019, 9, 9400.	3.3	27
11	DIOXYGENASE FOR AUXIN OXIDATION 1 catalyzes the oxidation of IAA amino acid conjugates. <i>Plant Physiology</i> , 2021, 187, 103-115.	4.8	22
12	Beyond the survival and death of the deltamethrin-threatened pollen beetle <i>Meligethes aeneus</i> : An in-depth proteomic study employing a transcriptome database. <i>Journal of Proteomics</i> , 2017, 150, 281-289.	2.4	21
13	<i>Giardia intestinalis</i> Incorporates Heme into Cytosolic Cytochrome <i>b</i> <sub>5</sub> . <i>Eukaryotic Cell</i> , 2014, 13, 231-239.	3.4	19
14	Minimal cytosolic iron-sulfur cluster assembly machinery of <i>Giardia intestinalis</i> is partially associated with mitosomes. <i>Molecular Microbiology</i> , 2016, 102, 701-714.	2.5	19
15	Anaerobic peroxisomes in <i>Mastigamoeba balamuthi</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2065-2075.	7.1	19
16	Analysis of diverse eukaryotes suggests the existence of an ancestral mitochondrial apparatus derived from the bacterial type II secretion system. <i>Nature Communications</i> , 2021, 12, 2947.	12.8	19
17	Detailed proteome mapping of newly emerged honeybee worker hemolymph and comparison with the red-eye pupal stage. <i>Apidologie</i> , 2016, 47, 805-817.	2.0	17
18	Systematic analysis of the <i>IL-17</i> receptor signalosome reveals a robust regulatory feedback loop. <i>EMBO Journal</i> , 2020, 39, e104202.	7.8	16

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19	Secondary alcohol dehydrogenase catalyzes the reduction of exogenous acetone to 2-propanol in <i>Trichomonas vaginalis</i> . FEBS Journal, 2012, 279, 2768-2780.	4.7	15
20	Two-dimensional gel proteome analysis of honeybee, <i>Apis mellifera</i> , worker red-eye pupa hemolymph. Apidologie, 2014, 45, 53-72.	2.0	15
21	High-throughput transcriptomic and proteomic profiling of mesenchymal-amoeboid transition in 3D collagen. Scientific Data, 2020, 7, 160.	5.3	15
22	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
23	Proteogenomics of the house dust mite, <i>Dermatophagoides farinae</i> : Allergen repertoire, accurate allergen identification, isoforms, and sex-biased proteome differences. Journal of Proteomics, 2020, 210, 103535.	2.4	13
24	Large-scale identification of membrane proteins based on analysis of trypsin-protected transmembrane segments. Journal of Proteomics, 2016, 149, 15-22.	2.4	12
25	The effect of 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
26	Lateral gene transfer of <i>p-cresol</i> and indole-producing enzymes from environmental bacteria to <i>Mastigamoeba balamuthi</i> . Environmental Microbiology, 2017, 19, 1091-1102.	3.8	10
27	Label-free proteomic analysis reveals differentially expressed <i>Wolbachia</i> proteins in <i>Tyrophagus putrescentiae</i> : Mite allergens and markers reflecting population-related proteome differences. Journal of Proteomics, 2021, 249, 104356.	2.4	10
28	Double-Stranded RNA Viruses Are Released From <i>Trichomonas vaginalis</i> Inside Small Extracellular Vesicles and Modulate the Exosomal Cargo. Frontiers in Microbiology, 2022, 13, .	3.5	10
29	Proteomic Analysis of <i>Trichomonas vaginalis</i> Phagolysosome, Lysosomal Targeting, and Unconventional Secretion of Cysteine Peptidases. Molecular and Cellular Proteomics, 2022, 21, 100174.	3.8	6
30	A three-pronged "Pitchfork" 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
31	Honey proteome of the bumblebee <i>Bombus terrestris</i> : similarities, differences, and exceptionality compared to honey bee honey as signatures of eusociality evolution. Apidologie, 2022, 53, 1.	2.0	2
32	Proteogenomic insight into the basis of the insecticide tolerance/resistance of the pollen beetle <i>Brassicoglyphus (Meligethes) aeneus</i> . Journal of Proteomics, 2021, 233, 104086.	2.4	1
33	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