

# Bin Han

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,223  
citations

279798

23  
h-index

414414

32  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1207  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Royal Jelly Proteins Identified by Gel-Based and Gel-free Proteomics. Journal of Agricultural and Food Chemistry, 2011, 59, 10346-10355.	5.2	63
2	Proteome and phosphoproteome analysis of honeybee ( <i>Apis mellifera</i> ) venom collected from electrical stimulation and manual extraction of the venom gland. BMC Genomics, 2013, 14, 766.	2.8	59
3	The cholinergic anti-inflammatory pathway: An innovative treatment strategy for neurological diseases. Neuroscience and Biobehavioral Reviews, 2017, 77, 358-368.	6.1	52
4	Proteome Analysis of the Hemolymph, Mushroom Body, and Antenna Provides Novel Insight into Honeybee Resistance against <i>Varroa</i> Infestation. Journal of Proteome Research, 2016, 15, 2841-2854.	3.7	47
5	Towards posttranslational modification proteome of royal jelly. Journal of Proteomics, 2012, 75, 5327-5341.	2.4	46
6	Quantitative Neuropeptidome Analysis Reveals Neuropeptides Are Correlated with Social Behavior Regulation of the Honeybee Workers. Journal of Proteome Research, 2015, 14, 4382-4393.	3.7	45
7	Differential Expressions of Nuclear Proteomes between Honeybee ( <i>Apis mellifera</i> L.) Queen and Worker Larvae: A Deep Insight into Caste Pathway Decisions. Journal of Proteome Research, 2012, 11, 1317-1329.	3.7	44
8	In-Depth Phosphoproteomic Analysis of Royal Jelly Derived from Western and Eastern Honeybee Species. Journal of Proteome Research, 2014, 13, 5928-5943.	3.7	44
9	CRISPR/Cas9-mediated loss of FGF5 function increases wool staple length in sheep. FEBS Journal, 2017, 284, 2764-2773.	4.7	43
10	An Integrated Proteomics Reveals Pathological Mechanism of Honeybee ( <i>Apis cerana</i> ) Sacbrood Disease. Journal of Proteome Research, 2013, 12, 1881-1897.	3.7	41
11	In-Depth N-Glycosylation Reveals Species-Specific Modifications and Functions of the Royal Jelly Protein from Western ( <i>Apis mellifera</i> ) and Eastern Honeybees ( <i>Apis cerana</i> ). Journal of Proteome Research, 2015, 14, 5327-5340.	3.7	41
12	Standard methods for <i>Apis mellifera</i> royal jelly research. Journal of Apicultural Research, 2019, 58, 1-68.	1.5	40
13	In-depth Proteome of the Hypopharyngeal Glands of Honeybee Workers Reveals Highly Activated Protein and Energy Metabolism in Priming the Secretion of Royal Jelly. Molecular and Cellular Proteomics, 2019, 18, 606-621.	3.8	39
14	Comprehensive identification of novel proteins and N-glycosylation sites in royal jelly. BMC Genomics, 2014, 15, 135.	2.8	36
15	Functional and Proteomic Investigations Reveal Major Royal Jelly Protein 1 Associated with Anti-hypertension Activity in Mouse Vascular Smooth Muscle Cells. Scientific Reports, 2016, 6, 30230.	3.3	36
16	In-depth Proteomics Characterization of Embryogenesis of the Honey Bee Worker ( <i>Apis mellifera</i> ) Tj ETQq0 0 0 rgBT (Overlock 10 Tf 50	3.8	33
17	Proteomics Reveals the Molecular Underpinnings of Stronger Learning and Memory in Eastern Compared to Western Bees. Molecular and Cellular Proteomics, 2018, 17, 255-269.	3.8	33
18	Phosphoproteomic Analysis of Protein Phosphorylation Networks in the Hypopharyngeal Gland of Honeybee Workers ( <i>Apis mellifera ligustica</i> ). Journal of Proteome Research, 2015, 14, 4647-4661.	3.7	32

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19	Proteomic Analysis Reveals the Molecular Underpinnings of Mandibular Gland Development and Lipid Metabolism in Two Lines of Honeybees ( <i>Apis mellifera ligustica</i> ). Journal of Proteome Research, 2016, 15, 3342-3357.	3.7	31
20	Hemolymph proteome changes during worker brood development match the biological divergences between western honey bees ( <i>Apis mellifera</i> ) and eastern honey bees ( <i>Apis cerana</i> ). BMC Genomics, 2014, 15, 563.	2.8	30
21	Proteome Analysis of Hemolymph Changes during the Larval to Pupal Development Stages of Honeybee Workers ( <i>Apis mellifera ligustica</i> ). Journal of Proteome Research, 2013, 12, 5189-5198.	3.7	26
22	Western Honeybee Drones and Workers ( <i>Apis mellifera ligustica</i> ) Have Different Olfactory Mechanisms than Eastern Honeybees ( <i>Apis cerana cerana</i> ). Journal of Proteome Research, 2012, 11, 4526-4540.	3.7	24
23	Differential antennal proteome comparison of adult honeybee drone, worker and queen ( <i>Apis</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 107	2.4	24
24	Genomic sequencing and analyses of HearMNPVâ€”a new Multinucleocapsid nucleopolyhedrovirus isolated from <i>Helicoverpa armigera</i> . Virology Journal, 2012, 9, 168.	3.4	24
25	Novel aspects of understanding molecular working mechanisms of salivary glands of worker honeybees ( <i>Apis mellifera</i> ) investigated by proteomics and phosphoproteomics. Journal of Proteomics, 2013, 87, 1-15.	2.4	23
26	Brain Membrane Proteome and Phosphoproteome Reveal Molecular Basis Associating with Nursing and Foraging Behaviors of Honeybee Workers. Journal of Proteome Research, 2017, 16, 3646-3663.	3.7	23
27	Proteome Comparisons between Hemolymph of Two Honeybee Strains ( <i>Apis mellifera ligustica</i> ) Reveal Divergent Molecular Basis in Driving Hemolymph Function and High Royal Jelly Secretion. Journal of Proteome Research, 2018, 17, 402-419.	3.7	23
28	Proteome Analysis Unravels Mechanism Underling the Embryogenesis of the Honeybee Drone and Its Divergence with the Worker ( <i>Apis mellifera lingustica</i> ). Journal of Proteome Research, 2015, 14, 4059-4071.	3.7	22
29	Effect of Nutritional Restriction on the Hair Follicles Development and Skin Transcriptome of Chinese Merino Sheep. Animals, 2020, 10, 1058.	2.3	19
30	Changes of proteome and phosphoproteome trigger embryoâ€”larva transition of honeybee worker ( <i>Apis mellifera ligustica</i> ). Journal of Proteomics, 2013, 78, 428-446.	2.4	17
31	Antennal Proteome Comparison of Sexually Mature Drone and Forager Honeybees. Journal of Proteome Research, 2011, 10, 3246-3260.	3.7	16
32	Behavioural, physiological and molecular changes in alloparental caregivers may be responsible for selection response for female reproductive investment in honey bees. Molecular Ecology, 2019, 28, 4212-4227.	3.9	16
33	Proteome of thymus and spleen reveals that 10-hydroxydec-2-enoic acid could enhance immunity in mice. Expert Opinion on Therapeutic Targets, 2020, 24, 267-279.	3.4	15
34	Efficient Expression of an Acidic Endo-polygalacturonase from <i>Aspergillus niger</i> and Its Application in Juice Production. Journal of Agricultural and Food Chemistry, 2017, 65, 2730-2736.	5.2	14
35	Metabolic profiling unravels the effects of enhanced output and harvesting time on royal jelly quality. Food Research International, 2021, 139, 109974.	6.2	13
36	Proteomic analysis of heterosis in the leaves of sorghum&ndash;sudangrass hybrids. Acta Biochimica Et Biophysica Sinica, 2016, 48, 161-173.	2.0	11

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37	Phosphoproteome Analysis Reveals Phosphorylation Underpinnings in the Brains of Nurse and Forager Honeybees ( <i>Apis mellifera</i> ). <i>Scientific Reports</i> , 2017, 7, 1973.	3.3	11
38	Mechanistic insight into binding interaction between chemosensory protein 4 and volatile larval pheromones in honeybees ( <i>Apis mellifera</i> ). <i>International Journal of Biological Macromolecules</i> , 2019, 141, 553-563.	7.5	10
39	The Neuroproteomic Basis of Enhanced Perception and Processing of Brood Signals That Trigger Increased Reproductive Investment in Honeybee ( <i>Apis mellifera</i> ) Workers. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1632-1648.	3.8	10
40	Tachykinin signaling inhibits task-specific behavioral responsiveness in honeybee workers. <i>ELife</i> , 2021, 10, .	6.0	10
41	Ectopic expression of FGF5s induces wool growth in Chinese merino sheep. <i>Gene</i> , 2017, 627, 477-483.	2.2	8
42	Mechanistic Insight into Royal Protein Inhibiting the Gram-Positive Bacteria. <i>Biomolecules</i> , 2021, 11, 64.	4.0	7
43	Proteomic analysis of the phenotype of the scaleless wings mutant in the silkworm, <i>Bombyx mori</i> . <i>Journal of Proteomics</i> , 2013, 78, 15-25.	2.4	6
44	Development of a Freshness Assay for Royal Jelly Based on the Temperature- and Time-Dependent Changes of Antimicrobial Effectiveness and Proteome Dynamics of Royal Jelly Proteins. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10731-10740.	5.2	5
45	10-Hydroxydec-2-Enoic Acid Reduces Hydroxyl Free Radical-Induced Damage to Vascular Smooth Muscle Cells by Rescuing Protein and Energy Metabolism. <i>Frontiers in Nutrition</i> , 2022, 9, .	3.7	4
46	Differences in ASP1 expression and binding dynamics to queen mandibular pheromone HOB between <i>Apis mellifera</i> and <i>Apis cerana</i> workers reveal olfactory adaptation to colony organization. <i>International Journal of Biological Macromolecules</i> , 2022, 217, 583-591.	7.5	3
47	High royal jelly production does not impact the gut microbiome of honey bees. <i>Animal Microbiome</i> , 2021, 3, 60.	3.8	2
48	Phosphoproteomic basis of neuroplasticity in the antennal lobes influences the olfactory differences between <i>A. mellifera</i> and <i>A. cerana</i> honeybees. <i>Journal of Proteomics</i> , 2022, 251, 104413.	2.4	2