Robert Kucharski

List of Publications by Year
in descending order

32	6,200	236925 25	414414 32
papers	citations	h-index	g-index

32	32	32	5657
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insights into social insects from the genome of the honeybee Apis mellifera. Nature, 2006, 443, 931-949.	27.8	1,648
2	Nutritional Control of Reproductive Status in Honeybees via DNA Methylation. Science, 2008, 319, 1827-1830.	12.6	988
3	Functional and Evolutionary Insights from the Genomes of Three Parasitoid Nasonia Species. Science, 2010, 327, 343-348.	12.6	808
4	The Honey Bee Epigenomes: Differential Methylation of Brain DNA in Queens and Workers. PLoS Biology, 2010, 8, e1000506.	5.6	636
5	DNA methylation dynamics, metabolic fluxes, gene splicing, and alternative phenotypes in honey bees. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4968-4973.	7.1	312
6	Evolution of the Yellow/Major Royal Jelly Protein family and the emergence of social behavior in honey bees. Genome Research, 2006, 16, 1385-1394.	5.5	243
7	Molecular determinants of caste differentiation in the highly eusocial honeybee Apis mellifera. BMC Developmental Biology, 2007, 7, 70.	2.1	226
8	Standard methods for molecular research inApis mellifera. Journal of Apicultural Research, 2013, 52, 1-54.	1.5	150
9	Epigenetic regulation of the honey bee transcriptome: unravelling the nature of methylated genes. BMC Genomics, 2009, 10, 472.	2.8	132
10	Carbohydrate metabolism genes and pathways in insects: insights from the honey bee genome. Insect Molecular Biology, 2006, 15, 563-576.	2.0	131
11	A Royal Jelly Protein Is Expressed in a Subset of Kenyon Cells in the Mushroom Bodies of the Honey Bee Brain. Die Naturwissenschaften, 1998, 85, 343-346.	1.6	93
12	Evaluation of differential gene expression during behavioral development in the honeybee using microarrays and northern blots. Genome Biology, 2002, 3, research0007.1.	9.6	84
13	DNA methylation changes elicited by social stimuli in the brains of worker honey bees. Genes, Brain and Behavior, 2012, 11, 235-242.	2.2	75
14	Pharmacological interference with glutamate re-uptake impairs long-term memory in the honeybee, Apis mellifera. Behavioural Brain Research, 2000, 115, 49-53.	2.2	65
15	Extensive histone post-translational modification in honey bees. Insect Biochemistry and Molecular Biology, 2013, 43, 125-137.	2.7	63
16	Insights into DNA hydroxymethylation in the honeybee from in-depth analyses of TET dioxygenase. Open Biology, 2014, 4, 140110.	3.6	60
17	Molecular cloning and expression analysis of a cDNA encoding a glutamate transporter in the honeybee brain. Gene, 2000, 242, 399-405.	2.2	57
18	Differentially methylated obligatory epialleles modulate context-dependentLAMgene expression in the honeybeeApis mellifera. Epigenetics, 2016, 11, 1-10.	2.7	56

#	Article	IF	Citations
19	Arginine kinase is highly expressed in the compound eye of the honey-bee, Apis mellifera. Gene, 1998, 211, 343-349.	2.2	54
20	Novel cuticular proteins revealed by the honey bee genome. Insect Biochemistry and Molecular Biology, 2007, 37, 128-134.	2.7	42
21	Characterization of a metabotropic glutamate receptor in the honeybee (Apis mellifera): implications for memory formation. Invertebrate Neuroscience, 2007, 7, 99-108.	1.8	42
22	Genomeâ€wide analysis of genes related to ovary activation in worker honey bees. Insect Molecular Biology, 2008, 17, 657-665.	2.0	37
23	Analysis of Drosophila yellow-B cDNA Reveals a New Family of Proteins Related to the Royal Jelly Proteins in the Honeybee and to an Orphan Protein in an Unusual Bacterium Deinococcus radiodurans. Biochemical and Biophysical Research Communications, 2000, 270, 773-776.	2.1	36
24	Microarray and Real-Time PCR Analyses of Gene Expression in the Honeybee Brain Following Caffeine Treatment. Journal of Molecular Neuroscience, 2005, 27, 269-276.	2.3	35
25	EGFR gene methylation is not involved in Royalactin controlled phenotypic polymorphism in honey bees. Scientific Reports, 2015, 5, 14070.	3.3	31
26	Screening for Differential Gene Expression During the Development of Form-Deprivation Myopia in the Chicken. Optometry and Vision Science, 2004, 81, 148-155.	1.2	23
27	Molecular profiling of behavioural development: differential expression of mRNAs for inositol 1,4,5-trisphosphate 3-kinase isoforms in naive and experienced honeybees (Apis mellifera). Molecular Brain Research, 2002, 99, 92-101.	2.3	21
28	Ageâ€dependent transcriptional and epigenomic responses to light exposure in the honey bee brain. FEBS Open Bio, 2016, 6, 622-639.	2.3	17
29	Exploring DNA Methylation Diversity in the Honey Bee Brain by Ultra-Deep Amplicon Sequencing. Epigenomes, 2020, 4, 10.	1.8	12
30	The TBP gene from Aspergillus nidulans -structure and expression in Saccharomyces cerevisiae. Microbiology (United Kingdom), 1997, 143, 1263-1270.	1.8	9
31	Without mechanisms, theories and models in insect epigenetics remain a black box. Trends in Genetics, 2022, 38, 1108-1111.	6.7	9
32	Characterization of a Dopamine Transporter and Its Splice Variant Reveals Novel Features of Dopaminergic Regulation in the Honey Bee. Frontiers in Physiology, 2019, 10, 1375.	2.8	5