Subhash Rajpurohit

List of Publications by Year
in descending order

34 papers	1,174 citations	471509 17 h-index	501196 28 g-index
45 all docs	45 docs citations	45 times ranked	1111 citing authors

#	Article	IF	Citations
1	Changes in body melanisation and desiccation resistance in highland vs. lowland populations of D. melanogaster. Journal of Insect Physiology, 2008, 54, 1050-1056.	2.0	120
2	Microbiome composition shapes rapid genomic adaptation ofDrosophila melanogaster. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20025-20032.	7.1	103
3	Cuticular lipids and water balance. , 2010, , 100-120.		102
4	Adaptive dynamics of cuticular hydrocarbons in Drosophila. Journal of Evolutionary Biology, 2017, 30, 66-80.	1.7	87
5	Body melanization and its adaptive role in thermoregulation and tolerance against desiccating conditions in drosophilids. Entomological Research, 2008, 38, 49-60.	1.1	77
6	Direct observation of adaptive tracking on ecological time scales in Drosophila. Science, 2022, 375, eabj7484.	12.6	71
7	Broad geographic sampling reveals the shared basis and environmental correlates of seasonal adaptation in Drosophila. ELife, 2021, 10, .	6.0	66
8	Adaptations to environmental stress in altitudinal populations of two Drosophila species. Physiological Entomology, 2005, 30, 353-361.	1.5	40
9	Drosophila Evolution over Space and Time (DEST): A New Population Genomics Resource. Molecular Biology and Evolution, 2021, 38, 5782-5805.	8.9	37
10	Functional genomic and phenotypic responses to desiccation in natural populations of a desert drosophilid. Molecular Ecology, 2013, 22, 2698-2715.	3.9	35
11	Spatiotemporal dynamics and genomeâ€wide association analysis of desiccation tolerance in Drosophila melanogaster. Molecular Ecology, 2018, 27, 3525-3540.	3.9	33
12	Variations in body melanisation, ovariole number and fecundity in highland and lowland populations of Drosophila melanogaster from the Indian subcontinent. Insect Science, 2008, 15, 553-561.	3.0	28
13	Variations in body melanization impact desiccation resistance inDrosophila immigransfrom Western Himalayas. Journal of Zoology, 2008, 276, 219-227.	1.7	28
14	Meta-analysis of geographical clines in desiccation tolerance of Indian drosophilids. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 164, 391-398.	1.8	28
15	A clinal polymorphism in the insulin signaling transcription factorfoxocontributes to lifeâ€history adaptation inDrosophila*. Evolution; International Journal of Organic Evolution, 2019, 73, 1774-1792.	2.3	28
16	Measuring thermal behavior in smaller insects: A case study in Drosophila melanogaster demonstrates effects of sex, geographic origin, and rearing temperature on adult behavior. Fly, 2016, 10, 149-161.	1.7	26
17	Impact of Darker, Intermediate and Lighter Phenotypes of Body Melanization on Desiccation Resistance inDrosophila melanogaster. Journal of Insect Science, 2009, 9, 1-10.	1.5	24
18	Clinal variation in fitness related traits in tropical drosophilids of the Indian subcontinent. Journal of Thermal Biology, 2013, 38, 345-354.	2.5	22

#	Article	IF	Citations
19	Long Non-Coding RNAs in Insects. Animals, 2021, 11, 1118.	2.3	21
20	Deciphering life history transcriptomes in different environments. Molecular Ecology, 2015, 24, 151-179.	3.9	20
21	An Experimental Evolution Test of the Relationship between Melanism and Desiccation Survival in Insects. PLoS ONE, 2016, 11, e0163414.	2.5	19
22	Effects of temperature on transcriptome and cuticular hydrocarbon expression in ecologically differentiated populations of desert Drosophila. Ecology and Evolution, 2017, 7, 619-637.	1.9	14
23	Postâ€eclosion temperature effects on insect cuticular hydrocarbon profiles. Ecology and Evolution, 2021, 11, 352-364.	1.9	13
24	Cuticle darkening correlates with increased body copper content in Drosophila melanogaster. BioMetals, 2020, 33, 293-303.	4.1	12
25	Climate change, boundary increase and elongation of a preâ€existing cline: A case study inDrosophila ananassae. Entomological Research, 2008, 38, 268-275.	1.1	11
26	Selection for abdominal tergite pigmentation and correlated responses in the trident: a case study in Drosophila melanogaster. Biological Journal of the Linnean Society, 2012, 106, 287-294.	1.6	10
27	A resource on latitudinal and altitudinal clines of ecologically relevant phenotypes of the Indian Drosophila. Scientific Data, 2017, 4, 170066.	5.3	9
28	Pigmentation and fitness trade-offs through the lens of artificial selection. Biology Letters, 2016, 12, 20160625.	2.3	8
29	Latitudinal Pigmentation Variation Contradicts Ultraviolet Radiation Exposure: A Case Study in Tropical Indian Drosophila melanogaster. Frontiers in Physiology, 2019, 10, 84.	2.8	8
30	Allelic polymorphism at foxo contributes to local adaptation in Drosophila melanogaster. Molecular Ecology, 2021, 30, 2817-2830.	3.9	7
31	Preadult life history variation determines adult transcriptome expression. Molecular Ecology, 2016, 25, 741-763.	3.9	6
32	No water, no mating: Connecting dots from behaviour to pathways. PLoS ONE, 2021, 16, e0252920.	2.5	4
33	No water, no eggs: insights from a warming outdoor mesocosm experiment. Ecological Entomology, 2021, 46, 1093-1100.	2.2	4
34	Accurate, ultra-low coverage genome reconstruction and association studies in Hybrid Swarm mapping populations. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	2