Nico Posnien

List of Publications by Year
in descending order

37 papers	3,006 citations	331670 21 h-index	345221 36 g-index
50 all docs	50 docs citations	50 times ranked	3607 citing authors

#	Article	IF	Citations
1	The genome of the model beetle and pest Tribolium castaneum. Nature, 2008, 452, 949-955.	27.8	1,255
2	The house spider genome reveals an ancient whole-genome duplication during arachnid evolution. BMC Biology, 2017, 15, 62.	3.8	286
3	Six3 demarcates the anterior-most developing brain region in bilaterian animals. EvoDevo, 2010, 1, 14.	3.2	149
4	Genomic Analysis of European Drosophila melanogaster Populations Reveals Longitudinal Structure, Continent-Wide Selection, and Previously Unknown DNA Viruses. Molecular Biology and Evolution, 2020, 37, 2661-2678.	8.9	104
5	Divergent functions of orthodenticle, empty spiracles and buttonhead in early head patterning of the beetle Tribolium castaneum (Coleoptera). Developmental Biology, 2008, 317, 600-613.	2.0	98
6	Enhanced genome assembly and a new official gene set for Tribolium castaneum. BMC Genomics, 2020, 21, 47.	2.8	84
7	RNAi in the Red Flour Beetle (Tribolium). Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5256-pdb.prot5256.	0.3	73
8	Genetics, development and composition of the insect head â€“ A beetleâ€™s view. Arthropod Structure and Development, 2010, 39, 399-410.	1.4	66
9	Candidate Gene Screen in the Red Flour Beetle Tribolium Reveals Six3 as Ancient Regulator of Anterior Median Head and Central Complex Development. PLoS Genetics, 2011, 7, e1002416.	3.5	66
10	Asymmetrically expressed axin required for anterior development in Tribolium. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7782-7786.	7.1	65
11	The insect upper lip (labrum) is a nonsegmental appendageâ€like structure. Evolution & Development, 2009, 11, 480-488.	2.0	57
12	A Comprehensive Reference Transcriptome Resource for the Common House Spider Parasteatoda tepidariorum. PLoS ONE, 2014, 9, e104885.	2.5	57
13	Probing the Drosophila retinal determination gene network in Tribolium (II): The Pax6 genes eyeless and twin of eyeless. Developmental Biology, 2009, 333, 215-227.	2.0	56
14	Evolution of Eye Morphology and Rhodopsin Expression in the Drosophila melanogaster Species Subgroup. PLoS ONE, 2012, 7, e37346.	2.5	53
15	Single and Double Whole-Mount In Situ Hybridization in Red Flour Beetle (Tribolium) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5258-pdb.prot5258.	0.3	52
16	Molecular characterization and embryonic origin of the eyes in the common house spider Parasteatoda tepidariorum. EvoDevo, 2015, 6, 15.	3.2	49
17	Formation of the insect head involves lateral contribution of the intercalary segment, which depends on Tc-labial function. Developmental Biology, 2010, 338, 107-116.	2.0	41
18	Analysis of the Wnt gene repertoire in an onychophoran provides new insights into the evolution of segmentation. EvoDevo, 2014, 5, 14.	3.2	41

#	Article	IF	Citations
19	Changes in anterior head patterning underlie the evolution of long germ embryogenesis. Developmental Biology, 2013, 374, 174-184.	2.0	33
20	Genetic and developmental analysis of differences in eye and face morphology between Drosophila simulans and Drosophila mauritiana. Evolution & Development, 2013, 15, 257-267.	2.0	33
21	Identification and embryonic expression of Wnt2, Wnt4, Wnt5 and Wnt9 in the millipede Glomeris marginata (Myriapoda: Diplopoda). Gene Expression Patterns, 2014, 14, 55-61.	0.8	32
22	Sexual dimorphism and natural variation within and among species in the Drosophilaretinal mosaic. BMC Evolutionary Biology, 2014, 14, 240.	3.2	31
23	A robust (re-)annotation approach to generate unbiased mapping references for RNA-seq-based analyses of differential expression across closely related species. BMC Genomics, 2016, 17, 392.	2.8	26
24	A novel role for Ets4 in axis specification and cell migration in the spider Parasteatoda tepidariorum. ELife, 2017, 6, .	6.0	26
25	Origin and Consequences of Chromosomal Inversions in thevirilisGroup ofDrosophila. Genome Biology and Evolution, 2018, 10, 3152-3166.	2.5	22
26	Cloudy with a Chance of Insights: Context Dependent Gene Regulation and Implications for Evolutionary Studies. Genes, 2019, 10, 492.	2.4	21
27	Sex differences in spiders: from phenotype to genomics. Development Genes and Evolution, 2020, 230, 155-172.	0.9	21
28	Insect Tc-six4 marks a unit with similarity to vertebrate placodes. Developmental Biology, 2011, 350, 208-216.	2.0	20
29	Size relationships of different body parts in the three dipteran species Drosophila melanogaster, Ceratitis capitata and Musca domestica. Development Genes and Evolution, 2016, 226, 245-256.	0.9	15
30	Variation in Pleiotropic Hub Gene Expression Is Associated with Interspecific Differences in Head Shape and Eye Size in Drosophila. Molecular Biology and Evolution, 2021, 38, 1924-1942.	8.9	14
31	Dynamic genome wide expression profiling of Drosophila head development reveals a novel role of Hunchback in retinal glia cell development and blood-brain barrier integrity. PLoS Genetics, 2018, 14, e1007180.	3.5	11
32	Multiple loci linked to inversions are associated with eye size variation in species of the Drosophila virilis phylad. Scientific Reports, 2020, 10, 12832.	3.3	7
33	Size and shapeâ€"integration of morphometrics, mathematical modelling, developmental and evolutionary biology. Development Genes and Evolution, 2016, 226, 109-112.	0.9	5
34	Specific expression and function of the Six3optixinDrosophilaserially homologous organs. Biology Open, 2017, 6, 1155-1164.	1.2	4
35	Conserved and Divergent Aspects of Plasticity and Sexual Dimorphism in Wing Size and Shape in Three Diptera. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	1
36	Phenotyping in Evo-Devo. , 2021, , 953-964.		0

#	Article	IF	Citations
37	Phenotyping in Evo-Devo. , 2018, , 1-12.		0