

# Nadia A Ayoub

## List of Publications by Citations

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39  
papers

2,604  
citations

20  
h-index

42  
g-index

42  
ext. papers

3,107  
ext. citations

5.9  
avg, IF

4.6  
L-index

#	Paper	IF	Citations
39	Impacts of the Cretaceous Terrestrial Revolution and KPg extinction on mammal diversification. <i>Science</i> , <b>2011</b> , 334, 521-4	33.3	1024
38	Blueprint for a high-performance biomaterial: full-length spider dragline silk genes. <i>PLoS ONE</i> , <b>2007</b> , 2, e514	3.7	285
37	The house spider genome reveals an ancient whole-genome duplication during arachnid evolution. <i>BMC Biology</i> , <b>2017</b> , 15, 62	7.3	182
36	Insight into the routes of Wolbachia invasion: high levels of horizontal transfer in the spider genus <i>Agelenopsis</i> revealed by Wolbachia strain and mitochondrial DNA diversity. <i>Molecular Ecology</i> , <b>2008</b> , 17, 557-69	5.7	136
35	Untangling spider silk evolution with spidroin terminal domains. <i>BMC Evolutionary Biology</i> , <b>2010</b> , 10, 243	3	116
34	Utility of the nuclear protein-coding gene, elongation factor-1 gamma (EF-1gamma), for spider systematics, emphasizing family level relationships of tarantulas and their kin (Araneae: Mygalomorphae). <i>Molecular Phylogenetics and Evolution</i> , <b>2007</b> , 42, 394-409	4.1	68
33	Spider Transcriptomes Identify Ancient Large-Scale Gene Duplication Event Potentially Important in Silk Gland Evolution. <i>Genome Biology and Evolution</i> , <b>2015</b> , 7, 1856-70	3.9	64
32	Gene content evolution in the arthropods. <i>Genome Biology</i> , <b>2020</b> , 21, 15	18.3	63
31	Ancient properties of spider silks revealed by the complete gene sequence of the prey-wrapping silk protein (AcSp1). <i>Molecular Biology and Evolution</i> , <b>2013</b> , 30, 589-601	8.3	62
30	Dramatic expansion of the black widow toxin arsenal uncovered by multi-tissue transcriptomics and venom proteomics. <i>BMC Genomics</i> , <b>2014</b> , 15, 366	4.5	58
29	Molecular evidence for Pleistocene glacial cycles driving diversification of a North American desert spider, <i>Agelenopsis aperta</i> . <i>Molecular Ecology</i> , <b>2004</b> , 13, 3453-65	5.7	57
28	Multi-tissue transcriptomics of the black widow spider reveals expansions, co-options, and functional processes of the silk gland gene toolkit. <i>BMC Genomics</i> , <b>2014</b> , 15, 365	4.5	56
27	Multiple recombining loci encode MaSp1, the primary constituent of dragline silk, in widow spiders ( <i>Latrodectus</i> : Theridiidae). <i>Molecular Biology and Evolution</i> , <b>2008</b> , 25, 277-86	8.3	51
26	Proteomic Evidence for Components of Spider Silk Synthesis from Black Widow Silk Glands and Fibers. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 4223-31	5.6	37
25	Evidence From Multiple Species that Spider Silk Glue Component ASG2 is a Spidroin. <i>Scientific Reports</i> , <b>2016</b> , 6, 21589	4.9	37
24	Intragenic homogenization and multiple copies of prey-wrapping silk genes in <i>Argiope</i> garden spiders. <i>BMC Evolutionary Biology</i> , <b>2014</b> , 14, 31	3	36
23	Genomic perspectives of spider silk genes through target capture sequencing: Conservation of stabilization mechanisms and homology-based structural models of spidroin terminal regions. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 113, 829-840	7.9	31

22	Effects of Gene Duplication, Positive Selection, and Shifts in Gene Expression on the Evolution of the Venom Gland Transcriptome in Widow Spiders. <i>Genome Biology and Evolution</i> , <b>2016</b> , 8, 228-42	3.9	26
21	Complex gene expression in the dragline silk producing glands of the Western black widow ( <i>Latrodectus hesperus</i> ). <i>BMC Genomics</i> , <b>2013</b> , 14, 846	4.5	23
20	Recent progress and prospects for advancing arachnid genomics. <i>Current Opinion in Insect Science</i> , <b>2018</b> , 25, 51-57	5.1	21
19	Duplication and concerted evolution of MiSp-encoding genes underlie the material properties of minor ampullate silks of cobweb weaving spiders. <i>BMC Evolutionary Biology</i> , <b>2017</b> , 17, 78	3	20
18	Silk gene transcripts in the developing tubuliform glands of the Western black widow, <i>Latrodectus hesperus</i> . <i>Journal of Arachnology</i> , <b>2010</b> , 38, 99-103	1.1	20
17	Speciation history of the North American funnel web spiders, <i>Agelenopsis</i> (Araneae: Agelenidae): phylogenetic inferences at the population-species interface. <i>Molecular Phylogenetics and Evolution</i> , <b>2005</b> , 36, 42-57	4.1	20
16	Silk gene expression of theridiid spiders: implications for male-specific silk use. <i>Zoology</i> , <b>2017</b> , 122, 107-114	1.4	18
15	Evolutionary shifts in gene expression decoupled from gene duplication across functionally distinct spider silk glands. <i>Scientific Reports</i> , <b>2017</b> , 7, 8393	4.9	18
14	Evolution and phylogenetic utility of the melanocortin-1 receptor gene (MC1R) in Cetartiodactyla. <i>Molecular Phylogenetics and Evolution</i> , <b>2009</b> , 52, 550-7	4.1	17
13	Chromosome mapping of dragline silk genes in the genomes of widow spiders (Araneae, Theridiidae). <i>PLoS ONE</i> , <b>2010</b> , 5, e12804	3.7	15
12	Gene structure, regulatory control, and evolution of black widow venom latrotoxins. <i>FEBS Letters</i> , <b>2014</b> , 588, 3891-7	3.8	13
11	Hemocyanin gene family evolution in spiders (Araneae), with implications for phylogenetic relationships and divergence times in the infraorder Mygalomorphae. <i>Gene</i> , <b>2013</b> , 524, 175-86	3.8	12
10	Gene Content Evolution in the Arthropods		7
9	The house spider genome reveals an ancient whole-genome duplication during arachnid evolution		3
8	Protein Composition and Associated Material Properties of Cobweb SpidersaGumfoot Glue Droplets. <i>Integrative and Comparative Biology</i> , <b>2021</b> , 61, 1459-1480	2.8	3
7	The common house spider, <i>Parasteatoda tepidariorum</i> , maintains silk gene expression on sub-optimal diet. <i>PLoS ONE</i> , <b>2020</b> , 15, e0237286	3.7	2
6	Gene expression profiling reveals candidate genes for defining spider silk gland types. <i>Insect Biochemistry and Molecular Biology</i> , <b>2021</b> , 135, 103594	4.5	2
5	Locomotor activity patterns in three spider species suggest relaxed selection on endogenous circadian period and novel features of chronotype. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , <b>2020</b> , 206, 499-515	2.3	1

- 4 The common house spider, *Parasteatoda tepidariorum*, maintains silk gene expression on sub-optimal diet **2020**, 15, e0237286
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