

# William G Bendena

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,669  
citations

279798

23  
h-index

302126

39  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1680  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rethinking Sesquiterpenoids: A Widespread Hormone in Animals. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5998.	4.1	5
2	Myriapod genomes reveal ancestral horizontal gene transfer and hormonal gene loss in millipedes. <i>Nature Communications</i> , 2022, 13, .	12.8	12
3	Horseshoe crab genomes reveal the evolution of genes and microRNAs after three rounds of whole genome duplication. <i>Communications Biology</i> , 2021, 4, 83.	4.4	31
4	An overview of the insulin signaling pathway in model organisms <i>Drosophila melanogaster</i> and <i>Caenorhabditis elegans</i> . <i>Peptides</i> , 2021, 145, 170640.	2.4	29
5	Transcriptomic and proteomic analyses of venom glands from scorpions <i>Liocheles australasiae</i> , <i>Mesobuthus martensii</i> , and <i>Scorpio maurus palmatus</i> . <i>Peptides</i> , 2021, 146, 170643.	2.4	6
6	Diversity of Insect Sesquiterpenoid Regulation. <i>Frontiers in Genetics</i> , 2020, 11, 1027.	2.3	35
7	Hemolymph Proteomics and Gut Microbiota of Horseshoe Crabs <i>Tachypleus tridentatus</i> and <i>Carcinoscorpius rotundicauda</i> . <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	9
8	International symposium for comparative endocrinology and genomics in arthropods. <i>General and Comparative Endocrinology</i> , 2020, 299, 113622.	1.8	0
9	Neuropeptide and microRNA regulators of juvenile hormone production. <i>General and Comparative Endocrinology</i> , 2020, 295, 113507.	1.8	25
10	Micro-RNA Clusters Integrate Evolutionary Constraints on Expression and Target Affinities: The miR-6/5/4/286/3/309 Cluster in <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 2020, 37, 2955-2965.	8.9	2
11	Jellyfish genomes reveal distinct homeobox gene clusters and conservation of small RNA processing. <i>Nature Communications</i> , 2020, 11, 3051.	12.8	47
12	Transcriptomic analysis of <i>Macrobrachium rosenbergii</i> (giant fresh water prawn) post-larvae in response to <i>M. rosenbergii</i> nodavirus (MrNV) infection: de novo assembly and functional annotation. <i>BMC Genomics</i> , 2019, 20, 762.	2.8	23
13	Juvenile hormone and sesquiterpenoids in arthropods: Biosynthesis, signaling, and role of MicroRNA. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 184, 69-76.	2.5	69
14	Molecular isolation and characterization of a haemocyanin of <i>Macrobrachium rosenbergii</i> reveal its antibacterial activities. <i>Aquaculture Research</i> , 2018, 49, 505-516.	1.8	4
15	miRNA-Mediated Interactions in and between Plants and Insects. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3239.	4.1	23
16	A functional study of all 40 <i>Caenorhabditis elegans</i> insulin-like peptides. <i>Journal of Biological Chemistry</i> , 2018, 293, 16912-16922.	3.4	61
17	A <i>Caenorhabditis elegans</i> ; Nutritional-status Based Copper Aversion Assay. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	2
18	MicroRNAs regulate the sesquiterpenoid hormonal pathway in <i>Drosophila</i> and other arthropods. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171827.	2.6	20

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19	Juvenile hormone and 20-hydroxyecdysone coordinately control the developmental timing of matrix metalloproteinase-induced fat body cell dissociation. <i>Journal of Biological Chemistry</i> , 2017, 292, 21504-21516.	3.4	50
20	The Role of MicroRNAs in <i>Drosophila</i> Regulation of Insulin-Like Peptides and Ecdysteroid Signalling: Where Are We Now?. <i>Advances in Insect Physiology</i> , 2017, , 55-85.	2.7	11
21	NPR-9, a Galanin-Like G-Protein Coupled Receptor, and GLR-1 Regulate Interneuronal Circuitry Underlying Multisensory Integration of Environmental Cues in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2016, 12, e1006050.	3.5	14
22	How did arthropod sesquiterpenoids and ecdysteroids arise? Comparison of hormonal pathway genes in non-insect arthropod genomes. <i>Genome Biology and Evolution</i> , 2015, 7, evv120.	2.5	64
23	Mechanosensation circuitry in <i>Caenorhabditis elegans</i> : A focus on gentle touch. <i>Peptides</i> , 2015, 68, 164-174.	2.4	9
24	Methyl Farnesoate Plays a Dual Role in Regulating <i>Drosophila</i> Metamorphosis. <i>PLoS Genetics</i> , 2015, 11, e1005038.	3.5	64
25	Evolution of Ecdysis and Metamorphosis in Arthropods: The Rise of Regulation of Juvenile Hormone. <i>Integrative and Comparative Biology</i> , 2015, 55, 878-890.	2.0	67
26	Identification of putative ecdysteroid and juvenile hormone pathway genes in the shrimp <i>Neocaridina denticulata</i> . <i>General and Comparative Endocrinology</i> , 2015, 214, 167-176.	1.8	74
27	Post-Traumatic Brain Injury. <i>Neuroscientist</i> , 2015, 21, 424-441.	3.5	64
28	Select Neuropeptides and their G-Protein Coupled Receptors in <i>Caenorhabditis Elegans</i> and <i>Drosophila Melanogaster</i> . <i>Frontiers in Endocrinology</i> , 2012, 3, 93.	3.5	14
29	Families of allatoregulator sequences: a 2011 perspective   This review is part of a virtual symposium on recent advances in understanding a variety of complex regulatory processes in insect physiology and endocrinology, including development, metabolism, cold hardiness, food intake and digestion, and diuresis, through the use of omics technologies in the postgenomic era.. <i>Canadian Journal of Zoology</i> , 2012, 90, 521-544.	1.0	21
30	Defining the contribution of select neuropeptides and their receptors in regulating sesquiterpenoid biosynthesis by <i>Drosophila melanogaster</i> ring gland/corpus allatum through RNAi analysis. <i>General and Comparative Endocrinology</i> , 2012, 176, 347-353.	1.8	22
31	Evidence for differential biosynthesis of juvenile hormone (and related) sesquiterpenoids in <i>Drosophila melanogaster</i> . <i>General and Comparative Endocrinology</i> , 2011, 172, 56-61.	1.8	30
32	Comparative genomic and phylogenetic analysis of vitellogenin and other large lipid transfer proteins in metazoans. <i>FEBS Letters</i> , 2010, 584, 1273-1278.	2.8	74
33	Evolution and functional divergence of enzymes involved in sesquiterpenoid hormone biosynthesis in crustaceans and insects. <i>Peptides</i> , 2010, 31, 451-455.	2.4	55
34	Neuropeptide Physiology in Insects. <i>Advances in Experimental Medicine and Biology</i> , 2010, 692, 166-191.	1.6	26
35	Juvenile hormone counteracts the bHLH-PAS transcription factors MET and GCE to prevent caspase-dependent programmed cell death in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2009, 136, 2015-2025.	2.5	123
36	Quantification of allatostatin receptor mRNA levels in the cockroach, <i>Diploptera punctata</i> , using real-time PCR. <i>Journal of Insect Physiology</i> , 2008, 54, 981-987.	2.0	10

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37	A <i>Caenorhabditis elegans</i> allatostatin/galanin-like receptor NPR-9 inhibits local search behavior in response to feeding cues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1339-1342.	7.1	65
38	Myotropic Peptides in <i>Drosophila Melanogaster</i> And The Genes That Encode Them. <i>Journal of Neurogenetics</i> , 2002, 16, 1-28.	1.4	30
39	Myotropic Peptides in <i>Drosophila Melanogaster</i> And The Genes That Encode Them. <i>Journal of Neurogenetics</i> , 2002, 16, 1-28.	1.4	2
40	Myotropic Peptides in <i>Drosophila Melanogaster</i> And The Genes That Encode Them. <i>Journal of Neurogenetics</i> , 2002, 16, 1-28.	1.4	26
41	Molecular characterization of a cDNA from the true armyworm <i>Pseudaletia unipuncta</i> encoding <i>Manduca sexta</i> allatotropin peptide1Peptide designations have been assigned using the first three letters of the Genus name followed by the first two letters of the species name as proposed by the insect neuropeptide community attending the 19th Winter Neuropeptide Symposium, Breckenridge, CO, 1998. This change was proposed to ensure a unique organism abbreviation as the number of organisms from which peptides are puri. <i>Insect Biochemistry and Molecular Biology</i> , 2000, 30, 691-702.	2.7	53
42	In situ hybridization analysis of leucomyosuppressin mRNA expression in the cockroach, <i>Diploptera punctata</i> . , 1998, 395, 328-341.		37
43	Allatostatin in hemocytes of the cockroach <i>Diploptera punctata</i> . <i>Cell and Tissue Research</i> , 1997, 290, 119-128.	2.9	29
44	Molecular cloning of the precursor cDNA for schistostatins, locust allatostatin-like peptides with myoinhibiting properties. <i>Molecular and Cellular Endocrinology</i> , 1996, 122, 191-198.	3.2	73
45	Molecular characterization of a cDNA from <i>Pseudaletia unipuncta</i> encoding the <i>Manduca sexta</i> allatostatin peptide (Mas-AST). <i>Insect Biochemistry and Molecular Biology</i> , 1996, 26, 767-773.	2.7	69
46	Juvenile hormone regulation and developmental expression of a <i>Tenebrio</i> desiccation stress protein gene. , 1996, 18, 296-305.		19
47	Comparison of the Allatostatin Neuropeptide Precursors in the Distantly Related Cockroaches. <i>Periplaneta Americana</i> and <i>Diploptera Punctata</i> . <i>FEBS Journal</i> , 1995, 234, 737-746.	0.2	71