William G Bendena

List of Publications by Year
in descending order

47	1,669	279798	302126
papers	citations	23 h-index	39 g-index

48	48	48	1680
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Juvenile hormone counteracts the bHLH-PAS transcription factors MET and GCE to prevent caspase-dependent programmed cell death inDrosophila. Development (Cambridge), 2009, 136, 2015-2025.	2.5	123
2	Comparative genomic and phylogenetic analysis of vitellogenin and other large lipid transfer proteins in metazoans. FEBS Letters, 2010, 584, 1273-1278.	2.8	74
3	Identification of putative ecdysteroid and juvenile hormone pathway genes in the shrimp Neocaridina denticulata. General and Comparative Endocrinology, 2015, 214, 167-176.	1.8	74
4	Molecular cloning of the precursor cDNA for schistostatins, locust allatostatin-like peptides with myoinhibiting properties. Molecular and Cellular Endocrinology, 1996, 122, 191-198.	3.2	73
5	Comparison of the Allatostatin Neuropeptide Precursors in the Distantly Related Cockroaches. Periplaneta Americana and Diploptera Punctata. FEBS Journal, 1995, 234, 737-746.	0.2	71
6	Molecular characterization of a cDNA from Pseudaletia unipuncta encoding the Manduca sexta allatostatin peptide (Mas-AST). Insect Biochemistry and Molecular Biology, 1996, 26, 767-773.	2.7	69
7	Juvenile hormone and sesquiterpenoids in arthropods: Biosynthesis, signaling, and role of MicroRNA. Journal of Steroid Biochemistry and Molecular Biology, 2018, 184, 69-76.	2.5	69
8	Evolution of Ecdysis and Metamorphosis in Arthropods: The Rise of Regulation of Juvenile Hormone. Integrative and Comparative Biology, 2015, 55, 878-890.	2.0	67
9	A Caenorhabditis elegans allatostatin/galanin-like receptor NPR-9 inhibits local search behavior in response to feeding cues. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1339-1342.	7.1	65
10	How did arthropod sesquiterpenoids and ecdysteroids arise? Comparison of hormonal pathway genes in non-insect arthropod genomes. Genome Biology and Evolution, 2015, 7, evv120.	2.5	64
11	Methyl Farnesoate Plays a Dual Role in Regulating Drosophila Metamorphosis. PLoS Genetics, 2015, 11, e1005038.	3.5	64
12	Post-Traumatic Brain Injury. Neuroscientist, 2015, 21, 424-441.	3.5	64
13	A functional study of all 40 Caenorhabditis elegans insulin-like peptides. Journal of Biological Chemistry, 2018, 293, 16912-16922.	3.4	61
14	Evolution and functional divergence of enzymes involved in sesquiterpenoid hormone biosynthesis in crustaceans and insects. Peptides, 2010, 31, 451-455.	2.4	55
15	Molecular characterization of a cDNA from the true armyworm Pseudaletia unipuncta encoding Manduca sexta 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 cur. Insect Biochemistry and Molecular Biology, 2000, 30, 691-702.	2.7	53
16	Juvenile hormone and 20-hydroxyecdysone coordinately control the developmental timing of matrix metalloproteinaseâ€“induced fat body cell dissociation. Journal of Biological Chemistry, 2017, 292, 21504-21516.	3.4	50
17	Jellyfish genomes reveal distinct homeobox gene clusters and conservation of small RNA processing. Nature Communications, 2020, 11, 3051.	12.8	47
18	In situ hybridization analysis of leucomyosuppressin mRNA expression in the cockroach,Diploptera punctata. , 1998, 395, 328-341.		37

#	Article	IF	Citations
19	Diversity of Insect Sesquiterpenoid Regulation. Frontiers in Genetics, 2020, 11, 1027.	2.3	35
20	Horseshoe crab genomes reveal the evolution of genes and microRNAs after three rounds of whole genome duplication. Communications Biology, 2021, 4, 83.	4.4	31
21	Myotropic Peptides in Drosophila Melanogaster And The Genes That Encode Them. Journal of Neurogenetics, 2002, 16, 1-28.	1.4	30
22	Evidence for differential biosynthesis of juvenile hormone (and related) sesquiterpenoids in Drosophila melanogaster. General and Comparative Endocrinology, 2011, 172, 56-61.	1.8	30
23	Allatostatin in hemocytes of the cockroach Diploptera punctata. Cell and Tissue Research, 1997, 290, 119-128.	2.9	29
24	An overview of the insulin signaling pathway in model organisms Drosophila melanogaster and Caenorhabditis elegans. Peptides, 2021, 145, 170640.	2.4	29
25	Neuropeptide Physiology in Insects. Advances in Experimental Medicine and Biology, 2010, 692, 166-191.	1.6	26
26	Myotropic Peptides in Drosophila Melanogaster And The Genes That Encode Them. Journal of Neurogenetics, 2002, 16, 1-28.	1.4	26
27	Neuropeptide and microRNA regulators of juvenile hormone production. General and Comparative Endocrinology, 2020, 295, 113507.	1.8	25
28	miRNA-Mediated Interactions in and between Plants and Insects. International Journal of Molecular Sciences, 2018, 19, 3239.	4.1	23
29	Transcriptomic analysis of Macrobrachium rosenbergii (giant fresh water prawn) post-larvae in response to M. rosenbergii nodavirus (MrNV) infection: de novo assembly and functional annotation. BMC Genomics, 2019, 20, 762.	2.8	23
30	Defining the contribution of select neuropeptides and their receptors in regulating sesquiterpenoid biosynthesis by Drosophila melanogaster ring gland/corpus allatum through RNAi analysis. General and Comparative Endocrinology, 2012, 176, 347-353.	1.8	22
31	Families of allatoregulator sequences: a 2011 perspective1This 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.. Canadian Journal of Zoology, 2012, 90, 521-544.	1.0	21
32	MicroRNAs regulate the sesquiterpenoid hormonal pathway inDrosophilaand other arthropods. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171827.	2.6	20
33	Juvenile hormone regulation and developmental expression of aTenebrio desiccation stress protein gene. , 1996, 18, 296-305.		19
34	Select Neuropeptides and their G-Protein Coupled Receptors in Caenorhabditis Elegans and Drosophila Melanogaster. Frontiers in Endocrinology, 2012, 3, 93.	3.5	14
35	NPR-9, a Galanin-Like G-Protein Coupled Receptor, and GLR-1 Regulate Interneuronal Circuitry Underlying Multisensory Integration of Environmental Cues in Caenorhabditis elegans. PLoS Genetics, 2016, 12, e1006050.	3.5	14
36	Myriapod genomes reveal ancestral horizontal gene transfer and hormonal gene loss in millipedes. Nature Communications, 2022, 13, .	12.8	12

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37	The Role of MicroRNAs in Drosophila Regulation of Insulin-Like Peptides and Ecdysteroid Signalling: Where Are We Now?. Advances in Insect Physiology, 2017, , 55-85.	2.7	11
38	Quantification of allatostatin receptor mRNA levels in the cockroach, Diploptera punctata, using real-time PCR. Journal of Insect Physiology, 2008, 54, 981-987.	2.0	10
39	Mechanosensation circuitry in Caenorhabditis elegans: A focus on gentle touch. Peptides, 2015, 68, 164-174.	2.4	9
40	Hemolymph Proteomics and Gut Microbiota of Horseshoe Crabs Tachypleus tridentatus and Carcinoscorpius rotundicauda. Frontiers in Marine Science, 2020, 7, .	2.5	9
41	Transcriptomic and proteomic analyses of venom glands from scorpions Liocheles australasiae, Mesobuthus martensii, and Scorpio maurus palmatus. Peptides, 2021, 146, 170643.	2.4	6
42	Rethinking Sesquiterpenoids: A Widespread Hormone in Animals. International Journal of Molecular Sciences, 2022, 23, 5998.	4.1	5
43	Molecular isolation and characterization of a haemocyanin ofMacrobrachium rosenbergiireveal its antibacterial activities. Aquaculture Research, 2018, 49, 505-516.	1.8	4
44	A Caenorhabditis elegans Nutritional-status Based Copper Aversion Assay. Journal of Visualized Experiments, 2017, , .	0.3	2
45	Micro-RNA Clusters Integrate Evolutionary Constraints on Expression and Target Affinities: The miR-6/5/4/286/3/309 Cluster in Drosophila. Molecular Biology and Evolution, 2020, 37, 2955-2965.	8.9	2
46	Myotropic Peptides in Drosophila Melanogaster And The Genes That Encode Them. Journal of Neurogenetics, 2002, 16, 1-28.	1.4	2
47	International symposium for comparative endocrinology and genomics in arthropods. General and Comparative Endocrinology, 2020, 299, 113622.	1.8	0