Xavier Belles

List of Publications by Year in Descending Order

168 papers	5,601 citations	44 h-index	68 g-index
178 ext. papers	6,496 ext. citations	4.2 avg, IF	6.16 L-index

#	Paper	IF	Citations
168	DIPA-CRISPR is a simple and accessible method for insect gene editing. *Cell Reports Methods*, **2022**, 100215		0
167	Broad complex and wing development in cockroaches. *Insect Biochemistry and Molecular Biology*, **2022**, 103798	4.5	1
166	Tergal and pleural wing-related tissues in the German cockroach and their implication to the evolutionary origin of insect wings. *Evolution & Development*, **2021**, 23, 100-116	2.6	4
165	A synopsis of the spider beetles (Coleoptera: Ptinidae) of Socotra, with the description of a new genus and two new species. *Zoology in the Middle East*, **2021**, 67, 133-143	0.7	
164	Regulation of metamorphosis in neopteran insects is conserved in the paleopteran (Ephemeroptera). *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	2
163	Epigenetic-related mechanisms **2020**, 177-197		
162	Molting: the basis for growing and for changing the form **2020**, 199-215		0
161	Molecular mechanisms regulating hormone production and action **2020**, 131-176		
160	The hemimetabolan development **2020**, 47-69		
159	The evolution of metamorphosis **2020**, 251-272		1
158	Hormones involved in the regulation of metamorphosis **2020**, 105-130		
157	Regulation of ametabolan, hemimetabolan, and holometabolan development **2020**, 217-240		
156	The origin of hemimetaboly **2020**, 241-250		
155	E93-depleted adult insects preserve the prothoracic gland and molt again. *Development (Cambridge)*, **2020**, 147,	6.6	5
154	DNMT1 Promotes Genome Methylation and Early Embryo Development in Cockroaches. *IScience*, **2020**, 23, 101778	6.1	6
153	Krüppel homolog 1 and E93: The doorkeeper and the key to insect metamorphosis. *Archives of Insect Biochemistry and Physiology*, **2020**, 103, e21609	2.3	14
152	The innovation of the final moult and the origin of insect metamorphosis. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20180415	5.8	20

151	Zelda and the maternal-to-zygotic transition in cockroaches. *FEBS Journal*, **2019**, 286, 3206-3221	5.7	3
150	Hemimetabolous insects elucidate the origin of sexual development via alternative splicing. *ELife*, **2019**, 8,	8.9	33
149	<i>Dignoptinus</i>, a new genus for fossil <i>Dignomus regiomontanus</i> Alekseev from Eocene Baltic amber, and new status for <i>Bruchoptinus</i> Reitter and <i>Pseudoptinus</i> Reitter (Coleoptera: Ptinidae). *Fossil Record*, **2019**, 22, 65-72	1.4	
148	Myoglianin triggers the premetamorphosis stage in hemimetabolan insects. *FASEB Journal*, **2019**, 33, 3659-3669	0.9	13
147	Conserved association of Argonaute 1 and 2 proteins with miRNA and siRNA pathways throughout insect evolution, from cockroaches to flies. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2018**, 1861, 554-560	6	10
146	Hemimetabolous genomes reveal molecular basis of termite eusociality. *Nature Ecology and Evolution*, **2018**, 2, 557-566	12.3	120
145	Comparative Transcriptomics in Two Extreme Neopterans Reveals General Trends in the Evolution of Modern Insects. *IScience*, **2018**, 4, 164-179	6.1	18
144	Expansions of key protein families in the German cockroach highlight the molecular basis of its remarkable success as a global indoor pest. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2018**, 330, 254-264	1.8	11
143	Practical Use of RNA Interference: Oral Delivery of Double-stranded RNA in Liposome Carriers for Cockroaches. *Journal of Visualized Experiments*, **2018**,	1.6	3
142	A new species of Dignomus Wollaston (Coleoptera: Ptinidae) from Eocene Baltic amber. *Zootaxa*, **2018**, 4486, 195-200	0.5	2
141	Remodeling of the juvenile hormone pathway through caste-biased gene expression and positive selection along a gradient of termite eusociality. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2018**, 330, 296-304	1.8	12
140	Diversity of piRNA expression patterns during the ontogeny of the German cockroach. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2018**, 330, 288-295	1.8	5
139	Juvenile hormone biosynthesis in adult Blattella germanica requires nuclear receptors Seven-up and FTZ-F1. *Scientific Reports*, **2017**, 7, 40234	4.9	12
138	Juvenile hormone and hemimetabolan eusociality: a comparison of cockroaches with termites. *Current Opinion in Insect Science*, **2017**, 22, 109-116	5.1	17
137	Comparative analysis of miRNA expression during the development of insects of different metamorphosis modes and germ-band types. *BMC Genomics*, **2017**, 18, 774	4.5	25
136	Juvenile hormone signaling in short germ-band hemimetabolan embryos. *Development (Cambridge)* , **2017**, 144, 4637-4644	6.6	17
135	MicroRNAs and the Evolution of Insect Metamorphosis. *Annual Review of Entomology*, **2017**, 62, 111-125	21.8	53
134	Oral delivery of dsRNA lipoplexes to German cockroach protects dsRNA from degradation and induces RNAi response. *Pest Management Science*, **2017**, 73, 960-966	4.6	47

133	The microRNA toolkit of insects. *Scientific Reports*, **2016**, 6, 37736	4.9	32
132	Tergal and pleural structures contribute to the formation of ectopic prothoracic wings in cockroaches. *Royal Society Open Science*, **2016**, 3, 160347	3.3	28
131	CREB-binding protein contributes to the regulation of endocrine and developmental pathways in insect hemimetabolan pre-metamorphosis. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 508-15	4	17
130	Smads and insect hemimetabolan metamorphosis. *Developmental Biology*, **2016**, 417, 104-13	3.1	10
129	Towards understanding the molecular basis of cockroach tergal gland morphogenesis. A transcriptomic approach. *Insect Biochemistry and Molecular Biology*, **2015**, 63, 104-12	4.5	7
128	Molecular basis of juvenile hormone signaling. *Current Opinion in Insect Science*, **2015**, 11, 39-46	5.1	145
127	Orcokinins contribute to the regulation of vitellogenin transcription in the cockroach Blattella germanica. *Journal of Insect Physiology*, **2015**, 82, 129-33	2.4	18
126	Insect glycerol transporters evolved by functional co-option and gene replacement. *Nature Communications*, **2015**, 6, 7814	17.4	50
125	Ecdysone signalling and ovarian development in insects: from stem cells to ovarian follicle formation. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2015**, 1849, 181-6	6	65
124	Different Bla-g T cell antigens dominate responses in asthma versus rhinitis subjects. *Clinical and Experimental Allergy*, **2015**, 45, 1856-67	4.1	24
123	MiR-2 family regulates insect metamorphosis by controlling the juvenile hormone signaling pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3740-5	11.5	73
122	The cockroach Blattella germanica obtains nitrogen from uric acid through a metabolic pathway shared with its bacterial endosymbiont. *Biology Letters*, **2014**, 10,	3.6	35
121	The MEKRE93 (Methoprene tolerant-Krüppel homolog 1-E93) pathway in the regulation of insect metamorphosis, and the homology of the pupal stage. *Insect Biochemistry and Molecular Biology*, **2014**, 52, 60-8	4.5	129
120	Role of Methoprene-tolerant (Met) in adult morphogenesis and in adult ecdysis of Blattella germanica. *PLoS ONE*, **2014**, 9, e103614	3.7	44
119	A role for Taiman in insect metamorphosis. *PLoS Genetics*, **2014**, 10, e1004769	6	46
118	Chorion formation in panoistic ovaries requires windei and trimethylation of histone 3 lysine 9. *Experimental Cell Research*, **2014**, 320, 46-53	4.2	8
117	Regulation of atrophin by both strands of the mir-8 precursor. *Insect Biochemistry and Molecular Biology*, **2013**, 43, 1009-14	4.5	13
116	Persistence of double-stranded RNA in insect hemolymph as a potential determiner of RNA interference success: evidence from Manduca sexta and Blattella germanica. *Journal of Insect Physiology*, **2013**, 59, 171-8	2.4	128

115	Subtle roles of microRNAs let-7, miR-100 and miR-125 on wing morphogenesis in hemimetabolan metamorphosis. *Journal of Insect Physiology*, **2013**, 59, 1089-94	2.4	49
114	Broad-complex functions in postembryonic development of the cockroach Blattella germanica shed new light on the evolution of insect metamorphosis. *Biochimica Et Biophysica Acta - General Subjects* , **2013**, 1830, 2178-87	4	72
113	Nuclear receptor HR4 plays an essential role in the ecdysteroid-triggered gene cascade in the development of the hemimetabolous insect Blattella germanica. *Molecular and Cellular Endocrinology*, **2012**, 348, 322-30	4.4	18
112	Molecular adaptation and resilience of the insect nuclear receptor USP. *BMC Evolutionary Biology*, **2012**, 12, 199	3	9
111	MicroRNAs in metamorphic and non-metamorphic transitions in hemimetabolan insect metamorphosis. *BMC Genomics*, **2012**, 13, 386	4.5	34
110	Insect MicroRNAs **2012**, 30-56		15
109	Super-induction of Dicer-2 expression by alien double-stranded RNAs: an evolutionary ancient response to viral infection?. *Development Genes and Evolution*, **2012**, 222, 229-35	1.8	23
108	Biogeographic origin and thermal acclimation interact to determine survival and hsp90 expression in Drosophila species submitted to thermal stress. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2012**, 162, 391-6	2.6	15
107	Functional Characterization of Hypertrehalosemic Hormone Receptor in Relation to Hemolymph Trehalose and to Oxidative Stress in the Cockroach Blattella germanica. *Frontiers in Endocrinology*, **2011**, 2, 114	5.7	17
106	Origin and Evolution of Insect Metamorphosis **2011**,		22
105	When inordinate tissue growth is beneficial: improving silk production by increasing silk gland size. *Cell Research*, **2011**, 21, 862-3	24.7	2
104	Conserved repressive function of Krüppel homolog 1 on insect metamorphosis in hemimetabolous and holometabolous species. *Scientific Reports*, **2011**, 1, 163	4.9	128
103	Leucomyosuppressin modulates cardiac rhythm in the cockroach Blattella germanica. *Journal of Insect Physiology*, **2011**, 57, 1677-81	2.4	9
102	An experimental test of the role of environmental temperature variability on ectotherm molecular, physiological and life-history traits: implications for global warming. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2011**, 159, 242-6	2.6	64
101	Conservation of fruitless Pr role as master regulator of male courtship behaviour from cockroaches to flies. *Development Genes and Evolution*, **2011**, 221, 43-8	1.8	36
100	Identification and functional characterization of an ovarian aquaporin from the cockroach Blattella germanica L. (Dictyoptera, Blattellidae). *Journal of Experimental Biology*, **2011**, 214, 3895-3895	3	2
99	Identification and functional characterization of an ovarian aquaporin from the cockroach Blattella germanica L. (Dictyoptera, Blattellidae). *Journal of Experimental Biology*, **2011**, 214, 3630-8	3	24
98	Deep sequencing of organ- and stage-specific microRNAs in the evolutionarily basal insect Blattella germanica (L.) (Dictyoptera, Blattellidae). *PLoS ONE*, **2011**, 6, e19350	3.7	76

97	Key roles of the Broad-Complex gene in insect embryogenesis. *Insect Biochemistry and Molecular Biology*, **2010**, 40, 468-75	4.5	58
96	Juvenile hormone and allatostatins in the German cockroach embryo. *Insect Biochemistry and Molecular Biology*, **2010**, 40, 660-5	4.5	26
95	The hormonal pathway controlling cell death during metamorphosis in a hemimetabolous insect. *Developmental Biology*, **2010**, 346, 150-60	3.1	37
94	Beyond Drosophila: RNAi in vivo and functional genomics in insects. *Annual Review of Entomology*, **2010**, 55, 111-28	21.8	335
93	Brownie, a gene involved in building complex respiratory devices in insect eggshells. *PLoS ONE*, **2009**, 4, e8353	3.7	14
92	MicroRNA-dependent metamorphosis in hemimetabolan insects. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 21678-82	11.5	76
91	Target of rapamycin (TOR) mediates the transduction of nutritional signals into juvenile hormone production. *Journal of Biological Chemistry*, **2009**, 284, 5506-13	5.4	73
90	Identifying genes related to choriogenesis in insect panoistic ovaries by Suppression Subtractive Hybridization. *BMC Genomics*, **2009**, 10, 206	4.5	39
89	RNAi of ace1 and ace2 in Blattella germanica reveals their differential contribution to acetylcholinesterase activity and sensitivity to insecticides. *Insect Biochemistry and Molecular Biology*, **2009**, 39, 913-9	4.5	52
88	Antifeeding properties of myosuppressin in a generalist phytophagous leafworm, Spodoptera littoralis (Boisduval). *Regulatory Peptides*, **2008**, 148, 68-75		16
87	Identification of a tachykinin-related peptide with orexigenic properties in the German cockroach. *Peptides*, **2008**, 29, 386-92	3.8	12
86	The nuclear hormone receptor BgE75 links molting and developmental progression in the direct-developing insect Blattella germanica. *Developmental Biology*, **2008**, 315, 147-60	3.1	60
85	Nuclear receptor BgFTZ-F1 regulates molting and the timing of ecdysteroid production during nymphal development in the hemimetabolous insect Blattella germanica. *Developmental Dynamics*, **2008**, 237, 3179-91	2.9	48
84	16thInternational Ecdysone Workshop: July 10–14, 2006, Ghent University, Belgium. *Journal of Insect Science*, **2007**, 7, 1-57	2	1
83	Redundant ecdysis regulatory functions of three nuclear receptor HR3 isoforms in the direct-developing insect Blattella germanica. *Mechanisms of Development*, **2007**, 124, 180-9	1.7	40
82	The evolutionary transition from subsocial to eusocial behaviour in Dictyoptera: phylogenetic evidence for modification of the "shift-in-dependent-care" hypothesis with a new subsocial cockroach. *Molecular Phylogenetics and Evolution*, **2007**, 43, 616-26	4.1	52
81	Structural and RNAi characterization of the German cockroach lipophorin receptor, and the evolutionary relationships of lipoprotein receptors. *BMC Molecular Biology*, **2007**, 8, 53	4.5	49
80	Mitochondrial targeting of farnesyl diphosphate synthase is a widespread phenomenon in eukaryotes. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2007**, 1773, 419-26	4.9	28

79	Molecular characterization of an inhibitor of apoptosis in the Egyptian armyworm, Spodoptera littoralis, and midgut cell death during metamorphosis. *Insect Biochemistry and Molecular Biology*, **2007**, 37, 1241-8	4.5	27
78	RNAi studies reveal a conserved role for RXR in molting in the cockroach Blattella germanica. *Journal of Insect Physiology*, **2006**, 52, 410-6	2.4	91
77	Silencing allatostatin expression using double-stranded RNA targeted to preproallatostatin mRNA in the German cockroach. *Archives of Insect Biochemistry and Physiology*, **2006**, 62, 73-9	2.3	26
76	Effects of myoinhibitory peptides on food intake in the German cockroach. *Physiological Entomology*, **2006**, 31, 257-261	1.9	14
75	Juvenile hormone titer versus juvenile hormone synthesis in female nymphs and adults of the German cockroach, Blattella germanica. *Journal of Insect Science*, **2006**, 6, 1-7	2	56
74	Functions of the ecdysone receptor isoform-A in the hemimetabolous insect Blattella germanica revealed by systemic RNAi in vivo. *Developmental Biology*, **2006**, 297, 158-71	3.1	96
73	Systemic RNAi of the cockroach vitellogenin receptor results in a phenotype similar to that of the Drosophila yolkless mutant. *FEBS Journal*, **2006**, 273, 325-35	5.7	98
72	Evolution on a shaky piece of Gondwana: is local endemism recent in New Caledonia?. *Cladistics*, **2005**, 21, 2-7	3.5	76
71	Differential expression of two RXR/ultraspiracle isoforms during the life cycle of the hemimetabolous insect Blattella germanica (Dictyoptera, Blattellidae). *Molecular and Cellular Endocrinology*, **2005**, 238, 27-37	4.4	64
70	The mevalonate pathway and the synthesis of juvenile hormone in insects. *Annual Review of Entomology*, **2005**, 50, 181-99	21.8	285
69	Phylogenetic relationships of Dalyat mirabilis Mateu, 2002, with a revised molecular phylogeny of ground beetles (Coleoptera, Carabidae). *Journal of Zoological Systematics and Evolutionary Research* , **2005**, 43, 284-296	1.9	17
68	Vitellogenin expression in queen ovaries and in larvae of both sexes of Apis mellifera. *Archives of Insect Biochemistry and Physiology*, **2005**, 59, 211-8	2.3	107
67	Endocrine peptides and insect reproduction. *Invertebrate Reproduction and Development*, **2005**, 47, 23-37	0.7	11
66	The cDNA for leucomyosuppressin in Blattella germanica and molecular evolution of insect myosuppressins. *Peptides*, **2004**, 25, 1883-9	3.8	16
65	Identification of leucomyosuppressin in the German cockroach, Blattella germanica, as an inhibitor of food intake. *Regulatory Peptides*, **2004**, 119, 105-12		33
64	Orcokinins in insects and other invertebrates. *Insect Biochemistry and Molecular Biology*, **2004**, 34, 1141-6	4.5	46
63	Inhibitors of 3-hydroxy-3-methylglutaryl-CoA reductase lower fecundity in the German cockroach: correlation between the effects on fecundity in vivo with the inhibition of enzymatic activity in embryo cells. *Pest Management Science*, **2003**, 59, 1111-7	4.6	15
62	Quantity does matter. Juvenile hormone and the onset of vitellogenesis in the German cockroach. *Insect Biochemistry and Molecular Biology*, **2003**, 33, 1219-25	4.5	54

61	Allatostatin gene expression in brain and midgut, and activity of synthetic allatostatins on feeding-related processes in the cockroach Blattella germanica. *Regulatory Peptides*, **2003**, 115, 171-7		49
60	The vitellogenin of the honey bee, Apis mellifera: structural analysis of the cDNA and expression studies. *Insect Biochemistry and Molecular Biology*, **2003**, 33, 459-65	4.5	131
59	Ovarian 3-hydroxy-3-methylglutaryl-CoA reductase in Blattella germanica (L.): pattern of expression and critical role in embryogenesis. *Journal of Insect Physiology*, **2002**, 48, 675-681	2.4	6
58	Effects of hypocholesterolaemic agents on the expression and activity of 3-hydroxy-3-methylglutaryl-CoA reductase in the fat body of the German cockroach. *Archives of Insect Biochemistry and Physiology*, **2002**, 49, 177-86	2.3	15
57	Screening of antifeedant activity in brain extracts led to the identification of sulfakinin as a satiety promoter in the German cockroach. Are arthropod sulfakinins homologous to vertebrate gastrins-cholecystokinins?. *FEBS Journal*, **2001**, 268, 5824-30		86
56	What does Cryptocercus kyebangensis, n.sp. (Dictyoptera: Blattaria: Polyphagidae) from Korea reveal about Cryptocercus evolution? A study in morphology, molecular phylogeny, and chemistry of tergal glands. *Proceedings of the Academy of Natural Sciences of Philadelphia*, **2001**, 151, 61-79	1.1	26
55	Induction of vitellogenin gene transcription in vitro by juvenile hormone in Blattella germanica. *Molecular and Cellular Endocrinology*, **2001**, 183, 93-100	4.4	45
54	3-Hydroxy-3-methylglutaryl coenzyme A synthase-1 of Blattella germanica has structural and functional features of an active retrogene. *Insect Biochemistry and Molecular Biology*, **2001**, 31, 425-33	4.5	6
53	Vitellogenin of Blattella germanica (L.) (Dictyoptera, blattellidae): nucleotide sequence of the cDNA and analysis of the protein primary structure. *Archives of Insect Biochemistry and Physiology*, **2000**, 45, 1-11	2.3	18
52	Molecular cloning and structural analysis of 3-hydroxy-3-methylglutaryl coenzyme A reductase of the moth Agrotis ipsilon. *Insect Molecular Biology*, **2000**, 9, 385-92	3.4	18
51	A microdialysis study of allatostatin degradation in Blattella germanica (L.) (Dictyoptera, Blattellidae). *Physiological Entomology*, **2000**, 25, 254-259	1.9	9
50	On the role of Juvenile Hormone in vitellogenesis in cockroaches. *Physiological Entomology*, **2000**, 25, 207-208	1.9	1
49	Determination of allatostatin levels in relation to the gonadotropic cycle in the female of Blattella germanica (L.) (Dictyoptera, Blattellidae). *Physiological Entomology*, **1999**, 24, 213-219	1.9	14
48	Modulation of cardiac rhythm by allatostatins in the cockroach Blattella germanica (L.) (Dictyoptera, Blattellidae). *Journal of Insect Physiology*, **1999**, 45, 1057-1064	2.4	34
47	Fast induction of vitellogenin gene expression by juvenile hormone III in the cockroach Blattella germanica (L.) (Dictyoptera, Blattellidae). *Insect Biochemistry and Molecular Biology*, **1999**, 29, 821-7	4.5	51
46	The molecular evolution of the allatostatin precursor in cockroaches. *Peptides*, **1999**, 20, 11-22	3.8	74
45	Allatostatin Inhibits Vitellogenin Release in a Cockroacha. *Annals of the New York Academy of Sciences*, **1998**, 839, 341-342	6.5	8
44	Localization of allatostatin-immunoreactive material in the central nervous system, stomatogastric nervous system, and gut of the cockroach Blattella germanica. *Archives of Insect Biochemistry and Physiology*, **1998**, 37, 269-82	2.3	38

43	Isolation and sequence of a partial vitellogenin cDNA from the cockroach, Blattella germanica (L.) (Dictyoptera, Blattellidae), and characterization of the vitellogenin gene expression. *Archives of Insect Biochemistry and Physiology*, **1998**, 38, 137-46	2.3	28
42	Expression and activity of 3-hydroxy-3-methylglutaryl-CoA synthase and reductase in the fat body of ovariectomized and allatectomized Blattella germanica. *Physiological Entomology*, **1997**, 22, 6-12	1.9	12
41	Ketomethylene and methyleneamino pseudopeptide analogues of insect allatostatins inhibit juvenile hormone and vitellogenin production in the cockroach Blattella germanica. *Insect Biochemistry and Molecular Biology*, **1997**, 27, 851-8	4.5	18
40	Feeding and activation of corpora allata in the cockroach Blattella germanica (L.) (Dictyoptera, Blattellidae). *Journal of Insect Physiology*, **1997**, 44, 31-38	2.4	34
39	Ecdysone workshop at age twenty. *Archives of Insect Biochemistry and Physiology*, **1997**, 35, 1-2	2.3	
38	Inhibition of vitellogenin production by allatostatin in the German cockroach. *Molecular and Cellular Endocrinology*, **1996**, 121, 191-6	4.4	70
37	Coordinated expression and activity of 3-hydroxy-3-methylglutaryl coenzyme A synthase and reductase in the fat body of Blattella germanica (L.) during vitellogenesis. *Insect Biochemistry and Molecular Biology*, **1996**, 26, 837-43	4.5	18
36	Production and extraovarian processing of vitellogenin in ovariectomized Blattella germanica (L.) (Dictyoptera, Blattellidae). *Journal of Insect Physiology*, **1996**, 42, 101-105	2.4	15
35	Inhibition of juvenile hormone during the formation of the spermatophore in Blattella germanica (L.) (dictyoptera, blattellidae) **1996**, 32, 559-566		5
34	The conglobate gland of Blattella germanica (L.) (Dictyoptera, Blattellidae). Maturation, juvenile hormone dependency and changes during spermatophore formation. *Invertebrate Reproduction and Development*, **1996**, 29, 167-172	0.7	5
33	Patterns of haemolymph vitellogenin and ovarian vitellin in the German cockroach, and the role of Juvenile Hormone. *Physiological Entomology*, **1995**, 20, 59-65	1.9	40
32	Quantification of ecdysteroids by immunoassay: comparison of enzyme immunoassay and radioimmunoassay. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences*, **1995**, 50, 862-7	1.7	36
31	Production of vitellogenin in vitro by the periovaric fat body of Blattella germanica (L.) (Dictyoptera, Blattellidae). *Invertebrate Reproduction and Development*, **1995**, 28, 171-176	0.7	14
30	Interactions Between Corpora Allata, Fat Body and Ovary in Insect Reproduction: Which Controls Which?. *Animal Biology*, **1994**, 45, 152-156		3
29	Allatostatic neuropeptides from the cockroach Blattella germanica (L.) (Dictyoptera, Blattellidae). Identification, immunolocalization and activity. *Regulatory Peptides*, **1994**, 53, 237-47		98
28	Juvenile Hormone inhibition in corpora allata from ovariectomized Blattella germanica. *Physiological Entomology*, **1994**, 19, 342-348	1.9	26
27	Molecular cloning, developmental pattern and tissue expression of 3-hydroxy-3-methylglutaryl coenzyme A reductase of the cockroach Blattella germanica. *FEBS Journal*, **1993**, 213, 233-41		35
26	3-Hydroxy-3-methylglutaryl-coenzyme-A synthase from Blattella germanica. Cloning, expression, developmental pattern and tissue expression. *FEBS Journal*, **1993**, 217, 691-9		28

25	Age-dependent neurosecretion release induced by dopamine in the corpora cardiaca of Blattella germanica (L.) (Dictyoptera : Blattellidae). *Arthropod Structure and Development*, **1993**, 22, 1-11		1
24	Autoinhibition of juvenile hormone production. The case of the cockroachBlattella germanica (L.). *Experientia*, **1993**, 49, 320-323		1
23	Induction of choriogenesis by 20-hydroxyecdysone in the German cockroach. *Tissue and Cell*, **1993**, 25, 195-204	2.7	23
22	Juvenile hormone production and accessory reproductive gland development during sexual maturation of male Blattella germanica (L.) (Dictyoptera, Blattellidae). *Comparative Biochemistry and Physiology A, Comparative Physiology*, **1992**, 102, 477-480		22
21	Ovarian ecdysteroid levels and basal oocyte development during maturation in the cockroach Blattella germanica (L.). *Journal of Insect Physiology*, **1992**, 38, 339-348	2.4	34
20	Antifeedant activity of dihydro-agarofuran sesquiterpenes from Celastraceae against Spodoptera littoralis. *Biochemical Systematics and Ecology*, **1992**, 20, 311-315	1.4	22
19	Gastrin-cholecystokinin-like and neuroparsin-like immunoreactivities in the brain and retrocerebral neuroendocrine complex of the cockroach Blattella germanica. *Histochemistry*, **1990**, 93, 433-8		11
18	Ecdysteroid depletion by azadirachtin in Tenebrio molitor pupae. *Pesticide Biochemistry and Physiology*, **1990**, 38, 60-65	4.9	16
17	Azadirachtin induced imaginal moult deficiencies in Tenebrio molitor L. (Coleoptera: Tenebrionidae). *Journal of Stored Products Research*, **1990**, 26, 53-57	2.5	10
16	Ultrastructural changes induced by precocene II and 3,4-dihydroprecocene II in the corpora allata of Blattella germanica. *Cell and Tissue Research*, **1989**, 258, 91	4.2	18
15	Stimulating action of methyl 12, 12, 12-trifluorofarnesoate on in vitro juvenile hormone III biosynthesis in blattella germanica. *Archives of Insect Biochemistry and Physiology*, **1989**, 11, 257-270	2.3	6
14	Stimulatory activity of cysteamine on juvenile hormone release in adult females of the cockroach, Blattella germanica. *Comparative Biochemistry and Physiology A, Comparative Physiology*, **1989**, 94, 795-8		4
13	Modulation by somatostatin of juvenile hormone release in a cockroach. *Die Naturwissenschaften*, **1988**, 75, 413-415	2	5
12	In vitro inhibition of juvenile hormone III biosynthesis by precocene II and 3,4-dihydroprecocene II on Blattella germanica. *Journal of Insect Physiology*, **1988**, 34, 457-461	2.4	10
11	In vivo and in vitro effects of compactin in liposome carriers on juvenile hormone biosynthesis in adult females of Blattella germanica. *Pesticide Biochemistry and Physiology*, **1988**, 32, 1-10	4.9	9
10	Synergistic action of diethyl maleate on the morphogenetic and antigonadotropic activity of precocenes on the seed bug Oxycarenus lavaterae (F.). *Archives of Insect Biochemistry and Physiology*, **1987**, 4, 107-112	2.3	2
9	In vitro biosynthesis of JH III by the corpora allata of adult females of Blattella germanica (L). *Insect Biochemistry*, **1987**, 17, 1007-1010		64
8	Insect antifeedant activity of clerodane diterpenoids against larvae ofSpodoptera Littoralis (Boisd.) (Lepidoptera). *Journal of Chemical Ecology*, **1985**, 11, 1439-45	2.7	81

7	Identification and geographical distribution of Gibbium aequinoctiale Boieldieu and Gibbium psylloides (Czenpinski) (Coleoptera: Ptinidae). *Journal of Stored Products Research*, **1985**, 21, 151-155	2.5	13
6	Initial field trials with the synthetic sex pheromone of the processionary mothThaumetopoea pityocampa (Denis and Schiff.). *Journal of Chemical Ecology*, **1983**, 9, 85-93	2.7	20
5	Protection chimique du nid chez Canthon cyanellus cyanellus LeConte [Col. Scarabaeidae]. *Bulletin De La Soci*□*Entomologique De France*, **1983**, 88, 602-607	0.5	19
4	Optimization of insect juvenile hormone bioassays on Tribolium confusum (DuV.) (Coleoptera: Tenebrionidae) by application of central composite rotatable designs. *Journal of Stored Products Research*, **1982**, 18, 21-25	2.5	1
3	DNA methylation in cockroaches is essential in early embryo development and reduces gene expression noise		1
2	Hemimetabolous insects elucidate the origin of sexual development via alternative splicing		1
1	Hemimetabolous genomes reveal molecular basis of termite eusociality		1