Maria-Dolors Piulachs

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4550080/publications.pdf

Version: 2024-02-01

92 papers	3,820 citations	109321 35 h-index	144013 57 g-index
92 all docs	92 docs citations	92 times ranked	3200 citing authors

#	Article	IF	Citations
1	DIPA-CRISPR is a simple and accessible method for insect gene editing. Cell Reports Methods, 2022, 2, 100215.	2.9	34
2	Eyes absent in the cockroach panoistic ovaries regulates proliferation and differentiation through ecdysone signalling. Insect Biochemistry and Molecular Biology, 2020, 123, 103407.	2.7	7
3	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.	1.9	18
4	Hemimetabolous genomes reveal molecular basis of termite eusociality. Nature Ecology and Evolution, 2018, 2, 557-566.	7.8	223
5	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.	1.3	8
6	Comparative Transcriptomics in Two Extreme Neopterans Reveals General Trends in the Evolution of Modern Insects. IScience, 2018, 4, 164-179.	4.1	32
7	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.	1.3	15
8	SPARC preserves follicular epithelium integrity in insect ovaries. Developmental Biology, 2017, 422, 105-114.	2.0	12
9	Comparative analysis of miRNA expression during the development of insects of different metamorphosis modes and germ-band types. BMC Genomics, 2017, 18, 774.	2.8	30
10	MicroRNA signatures characterizing casteâ€independent ovarian activity in queen and worker honeybees (<scp>A</scp>pis mellifera L.). Insect Molecular Biology, 2016, 25, 216-226.	2.0	39
11	Recognition of Bla g T Cell Antigens Varies As a Function of Allergic Asthma Versus Rhinitis. Journal of Allergy and Clinical Immunology, 2016, 137, AB271.	2.9	0
12	The microRNA toolkit of insects. Scientific Reports, 2016, 6, 37736.	3.3	40
13	The Notch pathway regulates both the proliferation and differentiation of follicular cells in the panoistic ovary ofBlattella germanica. Open Biology, 2016, 6, 150197.	3.6	20
14	Different Blaâ€g T cell antigens dominate responses in asthma versus rhinitis subjects. Clinical and Experimental Allergy, 2015, 45, 1856-1867.	2.9	53
15	Identification and characterization of a fatty acyl reductase from a <scp>S</scp>podoptera littoralis female gland involved in pheromone biosynthesis. Insect Molecular Biology, 2015, 24, 82-92.	2.0	24
16	Crosstalk of EGFR signalling with Notch and Hippo pathways to regulate cell specification, migration and proliferation in cockroach panoistic ovaries. Biology of the Cell, 2015, 107, 273-285.	2.0	14
17	Ecdysone signalling and ovarian development in insects: from stem cells to ovarian follicle formation. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 181-186.	1.9	101
18	Unlike in Drosophila Meroistic Ovaries, Hippo Represses Notch in Blattella germanica Panoistic Ovaries, Triggering the Mitosis-Endocycle Switch in the Follicular Cells. PLoS ONE, 2014, 9, e113850.	2.5	15

#	Article	IF	Citations
19	Chorion formation in panoistic ovaries requires windei and trimethylation of histone 3 lysine 9. Experimental Cell Research, 2014, 320, 46-53.	2.6	11
20	The cockroachBlattella germanicaobtains nitrogen from uric acid through a metabolic pathway shared with its bacterial endosymbiont. Biology Letters, 2014, 10, 20140407.	2.3	50
21	RNAi reveals the key role of Nervana 1 in cockroach oogenesis and embryo development. Insect Biochemistry and Molecular Biology, 2013, 43, 178-188.	2.7	13
22	Dicerâ€1 is a key enzyme in the regulation of oogenesis in panoistic ovaries. Biology of the Cell, 2012, 104, 452-461.	2.0	24
23	Insect MicroRNAs. , 2012, , 30-56.		22
24	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, 391-396.	1.8	18
25	Citrus, a key insect eggshell protein. Insect Biochemistry and Molecular Biology, 2011, 41, 101-108.	2.7	23
26	Cloning and expression pattern of the ecdysone receptor and retinoid X receptor from the centipede Lithobius peregrinus (Chilopoda, Lithobiomorpha). General and Comparative Endocrinology, 2011, 174, 60-69.	1.8	14
27	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, 242-246.	1.8	79
28	Conservation of fruitlessâ€™ role as master regulator of male courtship behaviour from cockroaches to flies. Development Genes and Evolution, 2011, 221, 43-48.	0.9	46
29	Identification and functional characterization of an ovarian aquaporin from the cockroach Blattella germanica L. (Dictyoptera, Blattellidae). Journal of Experimental Biology, 2011, 214, 3895-3895.	1.7	3
30	Identification and functional characterization of an ovarian aquaporin from the cockroachBlattella germanicaL. (Dictyoptera, Blattellidae). Journal of Experimental Biology, 2011, 214, 3630-3638.	1.7	28
31	Deep Sequencing of Organ- and Stage-Specific microRNAs in the Evolutionarily Basal Insect Blattella germanica (L.) (Dictyoptera, Blattellidae). PLoS ONE, 2011, 6, e19350.	2.5	94
32	Key roles of the Broad-Complex gene in insect embryogenesis. Insect Biochemistry and Molecular Biology, 2010, 40, 468-475.	2.7	79
33	Brownie, a Gene Involved in Building Complex Respiratory Devices in Insect Eggshells. PLoS ONE, 2009, 4, e8353.	2.5	19
34	Identifying genes related to choriogenesis in insect panoistic ovaries by Suppression Subtractive Hybridization. BMC Genomics, 2009, 10, 206.	2.8	47
35	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, 913-919.	2.7	56
36	Expression analysis of putative vitellogenin and lipophorin receptors in honey bee (Apis mellifera L.) queens and workers. Journal of Insect Physiology, 2008, 54, 1138-1147.	2.0	71

#	Article	IF	Citations
37	The evolutionary transition from subsocial to eusocial behaviour in Dictyoptera: Phylogenetic evidence for modification of the â€œshift-in-dependent-careâ€•hypothesis with a new subsocial cockroach. Molecular Phylogenetics and Evolution, 2007, 43, 616-626.	2.7	59
38	Structural and RNAi characterization of the German cockroach lipophorin receptor, and the evolutionary relationships of lipoprotein receptors. BMC Molecular Biology, 2007, 8, 53.	3.0	52
39	Mitochondrial targeting of farnesyl diphosphate synthase is a widespread phenomenon in eukaryotes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 419-426.	4.1	30
40	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.	1.5	61
41	Systemic RNAi of the cockroach vitellogenin receptor results in a phenotype similar to that of the Drosophila yolkless mutant. FEBS Journal, 2006, 273, 325-335.	4.7	121
42	THE MEVALONATE PATHWAY AND THE SYNTHESIS OF JUVENILE HORMONE IN INSECTS. Annual Review of Entomology, 2005, 50, 181-199.	11.8	334
43	Vitellogenin expression in queen ovaries and in larvae of both sexes ofApis mellifera. Archives of Insect Biochemistry and Physiology, 2005, 59, 211-218.	1.5	125
44	Evolution on a shaky piece of Gondwana: is local endemism recent in New Caledonia?. Cladistics, 2005, 21, 2-7.	3.3	86
45	Inhibitors of 3-hydroxy-3-methylglutaryl-CoA reductase lower fecundity in the German cockroach: correlation between the effects on fecundityin vivowith the inhibition of enzymatic activity in embryo cells. Pest Management Science, 2003, 59, 1111-1117.	3.4	18
46	Quantity does matter. Juvenile hormone and the onset of vitellogenesis in the German cockroach. Insect Biochemistry and Molecular Biology, 2003, 33, 1219-1225.	2.7	70
47	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, 171-177.	1.9	56
48	The vitellogenin of the honey bee, Apis mellifera: structural analysis of the cDNA and expression studies. Insect Biochemistry and Molecular Biology, 2003, 33, 459-465.	2.7	167
49	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.	2.0	6
50	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, 177-186.	1.5	16
51	Induction of vitellogenin gene transcription in vitro by juvenile hormone in Blattella germanica. Molecular and Cellular Endocrinology, 2001, 183, 93-100.	3.2	56
52	Screening of antifeedant activity in brain extracts led to the identification of sulfakinin as a satiety promoter in the German cockroach.. FEBS Journal, 2001, 268, 5824-5830.	0.2	95
53	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.	0.5	29
54	A Novel GATA Factor Transcriptionally Represses Yolk Protein Precursor Genes in the Mosquito Aedes aegypti via Interaction with the CtBP Corepressor. Molecular and Cellular Biology, 2001, 21, 164-174.	2.3	44

#	Article	IF	Citations
55	Vitellogenin ofBlattella 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.	1.5	19
56	A microdialysis study of allatostatin degradation in Blattella germanica (L.) (Dictyoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (	1.5	9
57	On the role of Juvenile Hormone in vitellogenesis in cockroaches. A reply to Holbrook et al. Physiological Entomology (2000) 25, 27-34. Juvenile Hormone is essential to induce vitellogenesis in the German cockroach, also in Barcelona.. Physiological Entomology, 2000, 25, 207-208.	1.5	3
58	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.	1.5	14
59	Modulation of cardiac rhythm by allatostatins in the cockroach Blattella germanica (L.) (Dictyoptera,) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	37
60	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, 821-827.	2.7	55
61	Allatostatin Inhibits Vitellogenin Release in a Cockroacha. Annals of the New York Academy of Sciences, 1998, 839, 341-342.	3.8	10
62	Localization of allatostatin-immunoreactive material in the central nervous system, stomatogastric nervous system, and gut of the cockroachBlattella germanica. , 1998, 37, 269-282.		43
63	Isolation and sequence of a partial vitellogenin cDNA from the cockroach,Blattella germanica (L.) (Dictyoptera, Blattellidae), and characterization of the vitellogenin gene expression. , 1998, 38, 137-146.		29
64	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.	1.5	12
65	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, 851-858.	2.7	20
66	Feeding and activation of corpora allata in the cockroach Blattella germanica (L.) (Dictyoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	2.0	36
67	Inhibition of vitellogenin production by allatostatin in the German cockroach. Molecular and Cellular Endocrinology, 1996, 121, 191-196.	3.2	75
68	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, 837-843.	2.7	22
69	Production and extraovarian processing of vitellogenin in ovariectomized Blattella germanica (L.) (Dictyoptera, Blattellidae). Journal of Insect Physiology, 1996, 42, 101-105.	2.0	16
70	Inhibition of juvenile hormone during the formation of the spermatophore inBlattella germanica (L.) (dictyoptera, blattellidae). , 1996, 32, 559-566.		5
71	The conglobate gland ofBlattella germanica(L.) (Dictyoptera, Blattellidae). Maturation, juvenile hormone dependency and changes during spermatophore formation. Invertebrate Reproduction and Development, 1996, 29, 167-172.	0.8	5
72	Patterns of haemolymph vitellogenin and ovarian vitellin in the German cockroach, and the role of Juvenile Hormone. Physiological Entomology, 1995, 20, 59-65.	1.5	41

#	Article	IF	Citations
73	Production of vitellogeninin vitroby the periovaric fat body ofBlattella germanica(L.) (Dictyoptera, Blattellidae). Invertebrate Reproduction and Development, 1995, 28, 171-176.	0.8	15
74	Allatostatic neuropeptides from the cockroach Blattella germanica (L.) (Dictyoptera, Blattellidae). Identification, immunolocalization and activity. Regulatory Peptides, 1994, 53, 237-247.	1.9	104
75	Juvenile Hormone inhibition in corpora allata from ovariectomized Blattella germanica. Physiological Entomology, 1994, 19, 342-348.	1.5	27
76	Blattella germanica has two HMG-CoA synthase genes. Both are regulated in the ovary during the gonadotrophic cycle. Journal of Biological Chemistry, 1994, 269, 11707-13.	3.4	18
77	Molecular cloning, developmental pattern and tissue expression of 3-hydroxy-3-methylglutaryl coenzyme A reductase of the cockroach Blattella germanica. FEBS Journal, 1993, 213, 233-241.	0.2	40
78	3-Hydroxy-3-methylglutaryl-coenzyme-A synthase from Blattella germanica. Cloning, expression, developmental pattern and tissue expression. FEBS Journal, 1993, 217, 691-699.	0.2	32
79	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.	0.4	1
80	Autoinhibition of juvenile hormone production. The case of the cockroachBlattella germanica (L.). Experientia, 1993, 49, 320-323.	1.2	1
81	Induction of choriogenesis by 20-hydroxyecdysone in the german cockroach. Tissue and Cell, 1993, 25, 195-204.	2.2	29
82	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.	0.6	24
83	Ovarian ecdysteroid levels and basal oÃ¶cyte development during maturation in the cockroach Blattella germanica (L.). Journal of Insect Physiology, 1992, 38, 339-348.	2.0	37
84	Differential stimulation of juvenile hormone III biosynthesis induced by mevalonate and mevalonolactone in Blattella germanica (L.). Journal of Insect Physiology, 1992, 38, 555-560.	2.0	18
85	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.	2.9	20
86	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.	1.5	6
87	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, 795-798.	0.6	4
88	Modulation by somatostatin of juvenile hormone release in a cockroach. Die Naturwissenschaften, 1988, 75, 413-415.	1.6	5
89	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.	2.0	10
90	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.	3.6	10

#	Article	IF	Citations
91	In vitro biosynthesis of JH III by the corpora allata of adult females of Blattella germanica (L). Insect Biochemistry, 1987, 17, 1007-1010.	1.8	66
92	Insect antifeedant activity of clerodane diterpenoids against larvae ofSpodoptera Littoralis (Boisd.) (Lepidoptera). Journal of Chemical Ecology, 1985, 11, 1439-1445.	1.8	95