

Ren Feyereisen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124
papers

12,339
citations

54
h-index

110
g-index

128
ext. papers

13,866
ext. citations

5.9
avg, IF

6.41
L-index

#	Paper	IF	Citations
124	The P450 genes of the cat flea, <i>Ctenocephalides felis</i> : a CYPome in flux. <i>Current Research in Insect Science</i> , 2022 , 2, 100032		
123	Epoxidation of juvenile hormone was a key innovation improving insect reproductive fitness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
122	Genome mapping coupled with CRISPR gene editing reveals a P450 gene confers avermectin resistance in the beet armyworm. <i>PLoS Genetics</i> , 2021 , 17, e1009680	6	11
121	Reduced proinsecticide activation by cytochrome P450 confers coumaphos resistance in the major bee parasite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	19
120	Pyrethroid metabolism by eleven <i>Helicoverpa armigera</i> P450s from the CYP6B and CYP9A subfamilies. <i>Insect Biochemistry and Molecular Biology</i> , 2021 , 135, 103597	4.5	8
119	The Role of Cytochrome P450s in Insect Toxicology and Resistance. <i>Annual Review of Entomology</i> , 2021 ,	21.8	15
118	Both LmCYP4G genes function in decreasing cuticular penetration of insecticides in <i>Locusta migratoria</i> . <i>Pest Management Science</i> , 2020 , 76, 3541-3550	4.6	6
117	Knockdown of LmCYP303A1 alters cuticular hydrocarbon profiles and increases the susceptibility to desiccation and insecticides in <i>Locusta migratoria</i> . <i>Pesticide Biochemistry and Physiology</i> , 2020 , 168, 104637	4.9	9
116	Genome streamlining in a minute herbivore that manipulates its host plant. <i>ELife</i> , 2020 , 9,	8.9	9
115	Origin and evolution of the CYP4G subfamily in insects, cytochrome P450 enzymes involved in cuticular hydrocarbon synthesis. <i>Molecular Phylogenetics and Evolution</i> , 2020 , 143, 106695	4.1	36
114	Diversity and evolution of the P450 family in arthropods. <i>Insect Biochemistry and Molecular Biology</i> , 2020 , 127, 103490	4.5	37
113	Analysis and preliminary characterisation of the cytochrome P450 monooxygenases from <i>Frankia</i> sp. Eul1c (<i>Frankia inefficax</i> sp.). <i>Archives of Biochemistry and Biophysics</i> , 2019 , 669, 11-21	4.1	3
112	Sequestration and biosynthesis of cyanogenic glucosides in passion vine butterflies and consequences for the diversification of their host plants. <i>Ecology and Evolution</i> , 2019 , 9, 5079-5093	2.8	14
111	High-resolution QTL mapping in <i>Tetranychus urticae</i> reveals acaricide-specific responses and common target-site resistance after selection by different METI-I acaricides. <i>Insect Biochemistry and Molecular Biology</i> , 2019 , 110, 19-33	4.5	32
110	Two functionally distinct CYP4G genes of <i>Anopheles gambiae</i> contribute to cuticular hydrocarbon biosynthesis. <i>Insect Biochemistry and Molecular Biology</i> , 2019 , 110, 52-59	4.5	28
109	CYP303A1 has a conserved function in adult eclosion in <i>Locusta migratoria</i> and <i>Drosophila melanogaster</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019 , 113, 103210	4.5	12
108	Insect CYP Genes and P450 Enzymes 2019 ,		3

107	The Toxicogenome of <i>Hyalella azteca</i> : A Model for Sediment Ecotoxicology and Evolutionary Toxicology. <i>Environmental Science & Technology</i> , 2018 , 52, 6009-6022	10.3	54
106	Phylogenetic and functional characterization of ten P450 genes from the CYP6AE subfamily of <i>Helicoverpa armigera</i> involved in xenobiotic metabolism. <i>Insect Biochemistry and Molecular Biology</i> , 2018 , 93, 79-91	4.5	42
105	Does host plant adaptation lead to pesticide resistance in generalist herbivores?. <i>Current Opinion in Insect Science</i> , 2018 , 26, 25-33	5.1	44
104	Toxicology: Bee P450s Take the Sting out of Cyanoamidine Neonicotinoids. <i>Current Biology</i> , 2018 , 28, R560-R562	6.3	6
103	CYP6AE gene cluster knockout in <i>Helicoverpa armigera</i> reveals role in detoxification of phytochemicals and insecticides. <i>Nature Communications</i> , 2018 , 9, 4820	17.4	86
102	Evolution of the Biosynthetic Pathway for Cyanogenic Glucosides in Lepidoptera. <i>Journal of Molecular Evolution</i> , 2018 , 86, 379-394	3.1	5
101	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. <i>Nature Communications</i> , 2017 , 8, 15451	17.4	138
100	Genomic innovations, transcriptional plasticity and gene loss underlying the evolution and divergence of two highly polyphagous and invasive <i>Helicoverpa</i> pest species. <i>BMC Biology</i> , 2017 , 15, 63	7.3	150
99	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016 , 76, 118-147	4.5	112
98	Resistance to lambda-cyhalothrin in Spanish field populations of <i>Ceratitis capitata</i> and metabolic resistance mediated by P450 in a resistant strain. <i>Pest Management Science</i> , 2015 , 71, 1281-91	4.6	28
97	Insect P450 inhibitors and insecticides: challenges and opportunities. <i>Pest Management Science</i> , 2015 , 71, 793-800	4.6	64
96	Genotype to phenotype, the molecular and physiological dimensions of resistance in arthropods. <i>Pesticide Biochemistry and Physiology</i> , 2015 , 121, 61-77	4.9	159
95	Establishment and analysis of a reference transcriptome for <i>Spodoptera frugiperda</i> . <i>BMC Genomics</i> , 2014 , 15, 704	4.5	20
94	A gene horizontally transferred from bacteria protects arthropods from host plant cyanide poisoning. <i>ELife</i> , 2014 , 3, e02365	8.9	95
93	Spider mite control and resistance management: does a genome help?. <i>Pest Management Science</i> , 2013 , 69, 156-9	4.6	41
92	Nuclear receptors HR96 and ultraspiracle from the fall armyworm (<i>Spodoptera frugiperda</i>), developmental expression and induction by xenobiotics. <i>Journal of Insect Physiology</i> , 2013 , 59, 560-8	2.4	14
91	Origins of P450 diversity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120428	5.8	81
90	A link between host plant adaptation and pesticide resistance in the polyphagous spider mite <i>Tetranychus urticae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E113-22	11.5	252

89	Phylogenomics of the benzoxazinoid biosynthetic pathway of Poaceae: gene duplications and origin of the Bx cluster. <i>BMC Evolutionary Biology</i> , 2012 , 12, 64	3	60
88	Insect CYP Genes and P450 Enzymes 2012 , 236-316		204
87	Antifeedant activity of <i>Jatropha gossypifolia</i> and <i>Melia azedarach</i> senescent leaf extracts on <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) and their potential use as synergists. <i>Pest Management Science</i> , 2012 , 68, 1255-64	4.6	53
86	The silkworm coming of age--early. <i>PLoS Genetics</i> , 2012 , 8, e1002591	6	9
85	An insect-specific P450 oxidative decarboxylase for cuticular hydrocarbon biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 14858-63	11.5	282
84	The genome of <i>Tetranychus urticae</i> reveals herbivorous pest adaptations. <i>Nature</i> , 2011 , 479, 487-92	50.4	684
83	Arthropod CYPomes illustrate the tempo and mode in P450 evolution. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011 , 1814, 19-28	4	172
82	Effects of hormone agonists on Sf9 cells, proliferation and cell cycle arrest. <i>PLoS ONE</i> , 2011 , 6, e25708	3.7	12
81	Regulation of cytochrome P450 expression in <i>Drosophila</i> : Genomic insights. <i>Pesticide Biochemistry and Physiology</i> , 2010 , 97, 115-122	4.9	57
80	Multiple P450 genes overexpressed in deltamethrin-resistant strains of <i>Helicoverpa armigera</i> . <i>Pest Management Science</i> , 2010 , 66, 900-9	4.6	57
79	Mechanisms of resistance to malathion in the medfly <i>Ceratitis capitata</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008 , 38, 756-62	4.5	51
78	P450 reductase and cytochrome b5 interactions with cytochrome P450: effects on house fly CYP6A1 catalysis. <i>Insect Biochemistry and Molecular Biology</i> , 2008 , 38, 1008-15	4.5	47
77	Approach to systematic analysis of serine/threonine phosphoproteome using Beta elimination and subsequent side effects: intramolecular linkage and/or racemisation. <i>Journal of Cellular Biochemistry</i> , 2007 , 100, 875-82	4.7	7
76	Analysis of the interactions of cytochrome b5 with flavocytochrome P450 BM3 and its domains. <i>Drug Metabolism Reviews</i> , 2007 , 39, 599-617	7	13
75	Gene expression profiling of <i>Spodoptera frugiperda</i> hemocytes and fat body using cDNA microarray reveals polydnavirus-associated variations in lepidopteran host genes transcript levels. <i>BMC Genomics</i> , 2006 , 7, 160	4.5	55
74	Resistance and the jumping gene. <i>BioEssays</i> , 2006 , 28, 6-8	4.1	15
73	Structure and stereochemistry of products of hydroxylation of human steroid hormones by a housefly cytochrome P450 (CYP6A1). <i>Magnetic Resonance in Chemistry</i> , 2006 , 44, 467-74	2.1	15
72	Xenobiotic response in <i>Drosophila melanogaster</i> : sex dependence of P450 and GST gene induction. <i>Insect Biochemistry and Molecular Biology</i> , 2006 , 36, 674-82	4.5	121

71	Arabidopsis cyp51 mutant shows postembryonic seedling lethality associated with lack of membrane integrity. <i>Plant Physiology</i> , 2005 , 138, 2033-47	6.6	68
70	Electron transfer by diflavin reductases. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004 , 1698, 1-26	4	147
69	Chimeragenesis of the fatty acid binding site of cytochrome P450BM3. Replacement of residues 73-84 with the homologous residues from the insect cytochrome P450 CYP4C7. <i>Biochemistry</i> , 2004 , 43, 1771-80	3.2	22
68	Drosophila melanogaster CYP6A8, an insect P450 that catalyzes lauric acid (omega-1)-hydroxylation. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 325, 1495-502	3.4	49
67	Stimulation of JH biosynthesis by the corpora allata of adult female Aedes aegypti in vitro: effect of farnesoic acid and Aedes allatotropin. <i>Journal of Experimental Biology</i> , 2003 , 206, 1825-32	3	60
66	Activity of the corpora allata of adult female Aedes aegypti: effects of mating and feeding. <i>Insect Biochemistry and Molecular Biology</i> , 2003 , 33, 1307-15	4.5	47
65	A knock-out mutation in allene oxide synthase results in male sterility and defective wound signal transduction in Arabidopsis due to a block in jasmonic acid biosynthesis. <i>Plant Journal</i> , 2002 , 31, 1-12	6.9	462
64	Evolution of supergene families associated with insecticide resistance. <i>Science</i> , 2002 , 298, 179-81	33.3	452
63	CYP83B1, a Cytochrome P450 at the Metabolic Branch Point in Auxin and Indole Glucosinolate Biosynthesis in Arabidopsis. <i>Plant Cell</i> , 2001 , 13, 101	11.6	8
62	The involvement of two p450 enzymes, CYP83B1 and CYP83A1, in auxin homeostasis and glucosinolate biosynthesis. <i>Plant Physiology</i> , 2001 , 127, 108-18	6.6	195
61	CYP83B1, a cytochrome P450 at the metabolic branch point in auxin and indole glucosinolate biosynthesis in Arabidopsis. <i>Plant Cell</i> , 2001 , 13, 101-11	11.6	311
60	The cytochrome P450 gene superfamily in Drosophila melanogaster: annotation, intron-exon organization and phylogeny. <i>Gene</i> , 2001 , 262, 189-98	3.8	237
59	Microarray-based analysis of gene expression in very large gene families: the cytochrome P450 gene superfamily of Arabidopsis thaliana. <i>Gene</i> , 2001 , 272, 61-74	3.8	98
58	Terpenoid omega-hydroxylase (CYP4C7) messenger RNA levels in the corpora allata: a marker for ovarian control of juvenile hormone synthesis in Diptera punctata. <i>Journal of Insect Physiology</i> , 2000 , 46, 1219-1227	2.4	34
57	A Mutation Leu1029 to His in Heliothis virescens F. hscp Sodium Channel Gene Associated with a Nerve-Insensitivity Mechanism of Resistance to Pyrethroid Insecticides. <i>Pesticide Biochemistry and Physiology</i> , 2000 , 66, 1-8	4.9	9
56	Intron-exon organization and phylogeny in a large superfamily, the paralogous cytochrome P450 genes of Arabidopsis thaliana. <i>DNA and Cell Biology</i> , 2000 , 19, 307-17	3.6	153
55	Inducible P450s of the CYP9 family from larval Manduca sexta midgut. <i>Insect Biochemistry and Molecular Biology</i> , 2000 , 30, 559-68	4.5	85
54	Cytochromes P450: a success story. <i>Genome Biology</i> , 2000 , 1, REVIEWS3003	18.3	590

53	Functional interactions in cytochrome P450BM3. Evidence that NADP(H) binding controls redox potentials of the flavin cofactors. <i>Biochemistry</i> , 2000 , 39, 12699-707	3.2	22
52	Interaction of NADP(H) with oxidized and reduced P450 reductase during catalysis. Studies with nucleotide analogues. <i>Biochemistry</i> , 2000 , 39, 5066-74	3.2	39
51	Kinetic mechanism of cytochrome P450 reductase from the house fly (<i>Musca domestica</i>). <i>Insect Biochemistry and Molecular Biology</i> , 1999 , 29, 233-42	4.5	37
50	Mechanism of cytochrome P450 reductase from the house fly: evidence for an FMN semiquinone as electron donor. <i>FEBS Letters</i> , 1999 , 453, 201-4	3.8	16
49	Insect P450 enzymes. <i>Annual Review of Entomology</i> , 1999 , 44, 507-33	21.8	731
48	Cytochrome P450-mediated Metabolic Resistance to Insecticides in the House Fly, <i>Musca domestica</i> .. <i>Nippon Nogeikagaku Kaishi</i> , 1999 , 73, 1043-1051		3
47	CYP12A1, a mitochondrial cytochrome P450 from the house fly. <i>Archives of Biochemistry and Biophysics</i> , 1998 , 359, 231-40	4.1	108
46	Systematic reverse genetics of transfer-DNA-tagged lines of Arabidopsis. Isolation of mutations in the cytochrome p450 gene superfamily. <i>Plant Physiology</i> , 1998 , 118, 743-50	6.6	105
45	Diagnosis and characterization of insecticide-insensitive acetylcholinesterase in three populations of the sweetpotato whitefly <i>Bemisia tabaci</i> 1998 , 52, 39		3
44	Substrate specificity for the epoxidation of terpenoids and active site topology of house fly cytochrome P450 6A1. <i>Chemical Research in Toxicology</i> , 1997 , 10, 156-64	4	55
43	Functional interactions in cytochrome P450BM3: flavin semiquinone intermediates, role of NADP(H), and mechanism of electron transfer by the flavoprotein domain. <i>Biochemistry</i> , 1997 , 36, 8401-12	3.2	58
42	A valine421 to methionine mutation in IS6 of the hscp voltage-gated sodium channel associated with pyrethroid resistance in <i>Heliothis virescens</i> F. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 239, 688-91	3.4	66
41	The <i>Drosophila</i> cytochrome P450 gene Cyp6a2: structure, localization, heterologous expression, and induction by phenobarbital. <i>DNA and Cell Biology</i> , 1997 , 16, 1345-56	3.6	101
40	Identification of three allatostatins and their cDNA from the mosquito <i>Aedes aegypti</i> . <i>Peptides</i> , 1997 , 18, 937-42	3.8	69
39	Sampling P450 diversity by cloning polymerase chain reaction products obtained with degenerate primers. <i>Methods in Enzymology</i> , 1996 , 272, 304-12	1.7	26
38	Functional interactions in cytochrome P450BM3. Fatty acid substrate binding alters electron-transfer properties of the flavoprotein domain. <i>Biochemistry</i> , 1996 , 35, 15029-37	3.2	42
37	Target of cockroach allatostatin in the pathway of juvenile hormone biosynthesis. <i>Molecular and Cellular Endocrinology</i> , 1996 , 120, 115-23	4.4	49
36	Molecular cloning, overexpression in <i>Escherichia coli</i> , structural and functional characterization of house fly cytochrome b5. <i>Journal of Biological Chemistry</i> , 1996 , 271, 26637-45	5.4	63

35	Cytochrome P450 gene clusters in <i>Drosophila melanogaster</i> . <i>Molecular Genetics and Genomics</i> , 1996 , 251, 290-7		25
34	Ecdysone 20-monooxygenase, a cytochrome P450 enzyme from spinach, <i>Spinacia oleracea</i> . <i>Phytochemistry</i> , 1996 , 42, 927-933	4	22
33	Inhibition of juvenile hormone biosynthesis and methyl farnesoate epoxidase activity by 1,5-disubstituted imidazoles in the cockroach, <i>Diploptera punctata</i> . <i>Pest Management Science</i> , 1995 , 43, 13-19		25
32	Cytochrome P450 in the house fly: Structure, catalytic activity and regulation of expression of CYP6A1 in an insecticide-resistant strain. <i>Pest Management Science</i> , 1995 , 43, 233-239		26
31	A cluster of cytochrome P450 genes of the CYP6 family in the house fly. <i>DNA and Cell Biology</i> , 1995 , 14, 73-82	3.6	55
30	Glutathione S-transferases from larval <i>Manduca sexta</i> midgut: sequence of two cDNAs and enzyme induction. <i>Insect Biochemistry and Molecular Biology</i> , 1995 , 25, 455-65	4.5	54
29	Metabolic fate of the allelochemical nicotine in the tobacco hornworm <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 1994 , 24, 837-846	4.5	51
28	Structure and chromosomal localization of CYP6A1, a cytochrome P450-encoding gene from the house fly. <i>Gene</i> , 1994 , 146, 267-72	3.8	51
27	Expression of house fly CYP6A1 and NADPH-cytochrome P450 reductase in <i>Escherichia coli</i> and reconstitution of an insecticide-metabolizing P450 system. <i>Biochemistry</i> , 1994 , 33, 2171-7	3.2	118
26	A diazepam binding inhibitor (DBI) homolog from the tobacco hornworm, <i>Manduca sexta</i> . <i>Molecular and Cellular Endocrinology</i> , 1993 , 94, R1-4	4.4	33
25	The P450 superfamily: update on new sequences, gene mapping, accession numbers, early trivial names of enzymes, and nomenclature. <i>DNA and Cell Biology</i> , 1993 , 12, 1-51	3.6	1461
24	Induction of cytochrome P-450 activities by nicotine in the tobacco hornworm, <i>Manduca sexta</i> . <i>Journal of Chemical Ecology</i> , 1993 , 19, 2903-16	2.7	60
23	Two Types of Allatostatic Peptides from Brains of the Cockroach <i>Diploptera punctata</i> . <i>ACS Symposium Series</i> , 1991 , 177-192	0.4	7
22	Assay of HMG-CoA synthase in <i>Diploptera punctata</i> corpora allata. <i>Insect Biochemistry</i> , 1991 , 21, 131-135		22
21	The P450 superfamily: update on new sequences, gene mapping, and recommended nomenclature. <i>DNA and Cell Biology</i> , 1991 , 10, 1-14	3.6	979
20	Activity of the corpora allata of adult female <i>Leucophaea maderae</i> : effects of mating and feeding. <i>Archives of Insect Biochemistry and Physiology</i> , 1990 , 14, 121-9	2.3	7
19	Changes in the sensitivity of adult cockroach corpora allata to a brain allatostatin. <i>Molecular and Cellular Endocrinology</i> , 1990 , 70, 185-95	4.4	58
18	Identification of an allatostatin from adult <i>Diploptera punctata</i> . <i>Biochemical and Biophysical Research Communications</i> , 1989 , 163, 1243-7	3.4	194

17	Inhibition of insect cytochrome P-450 by some metyrapone analogues and compounds containing a cyclopropylamine moiety and their evaluation as inhibitors of juvenile hormone biosynthesis. <i>Pest Management Science</i> , 1988 , 24, 205-219		11
16	Inhibition of insect juvenile hormone synthesis by phorbol 12-myristate 13-acetate. <i>FEBS Letters</i> , 1987 , 222, 345-8	3.8	16
15	Characterization and regulation of HMG-CoA reductase during a cycle of juvenile hormone synthesis. <i>Molecular and Cellular Endocrinology</i> , 1987 , 53, 227-38	4.4	51
14	Inhibition of juvenile hormone III biosynthesis in cockroach corpora allata by interference with the S-adenosylmethionine-dependent transmethylation. <i>Archives of Insect Biochemistry and Physiology</i> , 1987 , 5, 179-188	2.3	2
13	Molecular modifications of benzylphenol and benzyl-1,3-benzodioxole types of insect chemosterilants. <i>Pest Management Science</i> , 1986 , 17, 13-24		4
12	Evidence for an inhibitory role of cyclic AMP in the control of juvenile hormone biosynthesis by cockroach corpora allata. <i>Molecular and Cellular Endocrinology</i> , 1985 , 43, 155-63	4.4	33
11	Juvenile hormone III biosynthesis. <i>Insect Biochemistry</i> , 1984 , 14, 657-661		34
10	Self-catalyzed destruction of insect cytochrome. <i>Insect Biochemistry</i> , 1984 , 14, 19-26		24
9	Synthesis and degradation of C16 juvenile hormone (JH III) during the final two stadia of the cockroach, <i>Diptera punctata</i> . <i>General and Comparative Endocrinology</i> , 1982 , 48, 25-32	3	52
8	Enzymic synthesis of juvenile hormone in locust corpora allata: evidence for a microsomal cytochrome P-450 linked methyl farnesoate epoxidase. <i>FEBS Journal</i> , 1981 , 118, 231-8		95
7	A rapid partition assay for routine analysis of juvenile hormone release by insect corpora allata. <i>Analytical Biochemistry</i> , 1981 , 111, 372-5	3.1	207
6	Farnesoic acid stimulation of C16 juvenile hormone biosynthesis by corpora allata of adult female <i>Diptera punctata</i> . <i>Insect Biochemistry</i> , 1981 , 11, 401-409		69
5	Development of microsomal cytochrome P-450 monooxygenases during the last larval instar of the locust, <i>Locusta migratoria</i> : correlation with the hemolymph 20-hydroxyecdysone titer. <i>Molecular and Cellular Endocrinology</i> , 1980 , 20, 157-69	4.4	49
4	The allatostatic effect of 20-hydroxyecdysone on the adult viviparous cockroach, <i>Diptera punctata</i> . <i>Journal of Insect Physiology</i> , 1980 , 26, 665-670	2.4	55
3	Ecdysterone biosynthesis: a microsomal cytochrome-P-450-linked ecdysone 20-monooxygenase from tissues of the African migratory locust. <i>FEBS Journal</i> , 1978 , 88, 37-47		119
2	Regulation of ecdysone hydroxylation in <i>Locusta migratoria</i> : R ₁ e of the moulting hormone level. <i>Journal of Insect Physiology</i> , 1977 , 23, 1175-1181	2.4	23
1	Dynamics of ecdysone metabolism after ingestion and injection in <i>Locusta migratoria</i> . <i>General and Comparative Endocrinology</i> , 1976 , 29, 319-27	3	61