

# Stuart E Reynolds

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/20626/publications.pdf>

Version: 2024-02-01

71  
papers

3,872  
citations

94433

37  
h-index

128289

60  
g-index

73  
all docs

73  
docs citations

73  
times ranked

3598  
citing authors

#	ARTICLE	IF	CITATIONS
1	A transcription factor that enables metamorphosis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	1
2	Mayfly metamorphosis: Adult winged insects that molt. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2114128118.	7.1	0
3	Does Subjective Health Affect the Association between Biodiversity and Quality of Life? Insights from International Data. Applied Research in Quality of Life, 2019, 14, 1315-1331.	2.4	7
4	Complete metamorphosis of insects. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190063.	4.0	103
5	Cooking up the perfect insect: Aristotle's transformational idea about the complete metamorphosis of insects. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190074.	4.0	9
6	Borrelia bavariensis: Vector Switch, Niche Invasion, and Geographical Spread of a Tick-Borne Bacterial Parasite. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	32
7	Alternative Splice in Alternative Lice. Molecular Biology and Evolution, 2015, 32, 2749-2759.	8.9	29
8	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, 171-178.	2.0	168
9	Immunity and Invasive Success. Science, 2013, 340, 816-817.	12.6	7
10	Legionella pneumophila Pathogenesis in the Galleria mellonella Infection Model. Infection and Immunity, 2012, 80, 2780-2790.	2.2	99
11	Induction of RNA interference genes by double-stranded RNA; implications for susceptibility to RNA interference. Insect Biochemistry and Molecular Biology, 2012, 42, 621-628.	2.7	68
12	Isolation and functional characterization of an allatotropin receptor from Manduca sexta. Insect Biochemistry and Molecular Biology, 2011, 41, 804-814.	2.7	50
13	Insect immune responses to nematode parasites. Trends in Parasitology, 2011, 27, 537-547.	3.3	154
14	Galleria mellonella as an infection model for Campylobacter jejuni virulence. Journal of Medical Microbiology, 2011, 60, 661-669.	1.8	77
15	Probing the tri-trophic interaction between insects, nematodes and <i>Photorhabdus</i> . Parasitology, 2010, 137, 1695-1706.	1.5	48
16	The non-pest Australasian fungivore <i>Cis bilamellatus</i> Wood (Coleoptera: Ciidae) in northern Europe: spread dynamics, invasion success and ecological impact. Biological Invasions, 2010, 12, 515-530.	2.4	12
17	The role of iron uptake in pathogenicity and symbiosis in <i>Photorhabdus luminescens</i> TT01. BMC Microbiology, 2010, 10, 177.	3.3	45
18	Pyrosequencing the <i>Manduca sexta</i> larval midgut transcriptome: messages for digestion, detoxification and defence. Insect Molecular Biology, 2010, 19, 61-75.	2.0	148

#	ARTICLE	IF	CITATIONS
19	Cuticular plasticization in the tick, <i>Amblyomma hebraeum</i> (Acari: Ixodidae): possible roles of monoamines and cuticular pH. <i>Journal of Experimental Biology</i> , 2010, 213, 2820-2831.	1.7	16
20	The KdpD/KdpE two-component system of <i>Photorhabdus asymbiotica</i> promotes bacterial survival within <i>M. sexta</i> hemocytes. <i>Journal of Invertebrate Pathology</i> , 2010, 105, 352-362.	3.2	14
21	Dissecting the immune response to the entomopathogen <i>Photorhabdus</i> . <i>Trends in Microbiology</i> , 2010, 18, 552-560.	7.7	70
22	Induction of supernumerary larval moulting in the tobacco hornworm <i>Manduca sexta</i> : interaction of bisacylhydrazine ecdysteroid agonists with endogenous Juvenile Hormone. <i>Physiological Entomology</i> , 2009, 34, 30-38.	1.5	13
23	Plasmatocyte-spreading peptide (PSP) plays a central role in insect cellular immune defenses against bacterial infection. <i>Journal of Experimental Biology</i> , 2009, 212, 1840-1848.	1.7	46
24	Induced nitric oxide synthesis in the gut of <i>Manduca sexta</i> protects against oral infection by the bacterial pathogen <i>Photorhabdus luminescens</i> . <i>Insect Molecular Biology</i> , 2009, 18, 507-516.	2.0	33
25	A single locus from the entomopathogenic bacterium <i>Photorhabdus luminescens</i> inhibits activated <i>Manduca sexta</i> phenoloxidase. <i>FEMS Microbiology Letters</i> , 2009, 293, 170-176.	1.8	21
26	Introducing insect infection and immunity. , 2009, , 1-10.		3
27	Immune function keeps endosymbionts under control. <i>Journal of Biology</i> , 2008, 7, 28.	2.7	16
28	Rapid Virulence Annotation (RVA): Identification of virulence factors using a bacterial genome library and multiple invertebrate hosts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15967-15972.	7.1	76
29	RNAI AND THE INSECT IMMUNE SYSTEM. , 2008, , 295-330.		3
30	Title is missing!. <i>ScienceAsia</i> , 2008, 34, 279.	0.5	19
31	An antibiotic produced by an insect-pathogenic bacterium suppresses host defenses through phenoloxidase inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2419-2424.	7.1	199
32	The immunoglobulin family protein Hemolin mediates cellular immune responses to bacteria in the insect <i>Manduca sexta</i> . <i>Cellular Microbiology</i> , 2007, 9, 1137-1147.	2.1	84
33	A nematode symbiont sheds light on invertebrate immunity. <i>Trends in Parasitology</i> , 2007, 23, 514-517.	3.3	22
34	RNAi suppression of recognition protein mediated immune responses in the tobacco hornworm <i>Manduca sexta</i> causes increased susceptibility to the insect pathogen <i>Photorhabdus</i> . <i>Developmental and Comparative Immunology</i> , 2006, 30, 1099-1107.	2.3	109
35	Prior infection of <i>Manduca sexta</i> with non-pathogenic <i>Escherichia coli</i> elicits immunity to pathogenic <i>Photorhabdus luminescens</i> : Roles of immune-related proteins shown by RNA interference. <i>Insect Biochemistry and Molecular Biology</i> , 2006, 36, 517-525.	2.7	108
36	Papers from the Insect Physiology sessions, Society for Experimental Biology, Barcelona, 2005. <i>Journal of Insect Physiology</i> , 2006, 52, 339.	2.0	0

#	ARTICLE	IF	CITATIONS
37	Fungivore host-use groups from cluster analysis: patterns of utilisation of fungal fruiting bodies by ciid beetles. <i>Ecological Entomology</i> , 2005, 30, 620-641.	2.2	59
38	Eupyrene and Apyrene Sperm: Dichotomous Spermatogenesis in Lepidoptera. <i>Advances in Insect Physiology</i> , 2005, , 206-308.	2.7	79
39	Effect of the insect pathogenic bacterium <i>Photorhabdus</i> on insect phagocytes. <i>Cellular Microbiology</i> , 2004, 6, 89-95.	2.1	45
40	Ocurrence of the antibiotic producing bacterium <i>Burkholderia</i> sp. in colonies of the leaf-cutting ant <i>Atta sexdens rubropilosa</i> . <i>FEMS Microbiology Letters</i> , 2004, 239, 319-323.	1.8	125
41	Microbial infection causes the appearance of hemocytes with extreme spreading ability in monolayers of the tobacco hornworm <i>Manduca sexta</i> . <i>Developmental and Comparative Immunology</i> , 2004, 28, 689-700.	2.3	43
42	Evolution and physiological functions of insect polydnaviruses: Introduction. <i>Journal of Insect Physiology</i> , 2003, 49, 395-396.	2.0	3
43	<i>Photorhabdus</i> : towards a functional genomic analysis of a symbiont and pathogen. <i>FEMS Microbiology Reviews</i> , 2003, 26, 433-456.	8.6	213
44	<i>Photorhabdus</i> : towards a functional genomic analysis of a symbiont and pathogen. <i>FEMS Microbiology Reviews</i> , 2003, 26, 433-456.	8.6	3
45	Sperm transfer during mating, movement of sperm in the female reproductive tract, and sperm precedence in the common cutworm <i>Spodoptera litura</i> . <i>Physiological Entomology</i> , 2002, 27, 1-14.	1.5	53
46	Neuropeptide Control of Molting in Insects. , 2002, , 1-XVI.		47
47	Modulation by eicosanoid biosynthesis inhibitors of immune responses by the insect <i>Manduca sexta</i> to the pathogenic fungus <i>Metarhizium anisopliae</i> . <i>Journal of Invertebrate Pathology</i> , 2002, 79, 93-101.	3.2	60
48	Bacterial infection of a model insect: <i>Photorhabdus luminescens</i> and <i>Manduca sexta</i> . <i>Cellular Microbiology</i> , 2002, 4, 329-339.	2.1	129
49	[ <sup>3</sup> H]-Methyllycaconitine: a high affinity radioligand that labels invertebrate nicotinic acetylcholine receptors. <i>Insect Biochemistry and Molecular Biology</i> , 2001, 31, 533-542.	2.7	25
50	The structural mechanism of trypsin-induced intrinsic motility in <i>Manduca sexta</i> spermatozoa in vitro. <i>Journal of Insect Physiology</i> , 2001, 47, 245-255.	2.0	49
51	Proteinase inhibitors from the molting fluid of the pharate adult tobacco hornworm, <i>Manduca sexta</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2000, 43, 33-43.	1.5	8
52	Effects of fungivory by two specialist ciid beetles ( <i>Octotemnus glabriculus</i> and <i>Cis boleti</i> ) on the reproductive fitness of their host fungus, <i>Coriolus versicolor</i> . <i>New Phytologist</i> , 2000, 145, 137-144.	7.3	34
53	Orientation of specialist and generalist fungivorous ciid beetles to host and non-host odours. <i>Physiological Entomology</i> , 2000, 25, 288-295.	1.5	40
54	A 220-kDa Activator Complex of the 26 S Proteasome in Insects and Humans. <i>Journal of Biological Chemistry</i> , 1999, 274, 25691-25700.	3.4	15

#	ARTICLE	IF	CITATIONS
55	Characterisation of the relationship between binding sites for imidacloprid and other nicotinic ligands in insects. <i>Pest Management Science</i> , 1999, 55, 1029-1031.	0.4	9
56	Characterization of a nicotinic acetylcholine receptor from the insect <i>Manduca sexta</i> . <i>European Journal of Neuroscience</i> , 1998, 10, 879-889.	2.6	49
57	Ubiquitinated extracellular matrix proteins in insect cuticle. <i>Biochemical Society Transactions</i> , 1997, 25, 379S-379S.	3.4	0
58	The 26S-proteasome: regulation and substrate recognition. <i>Molecular Biology Reports</i> , 1997, 24, 39-44.	2.3	22
59	Specific Developmental Changes in the Regulatory Subunits of the 26 S Proteasome in Intersegmental Muscles Preceding Eclosion in <i>Manduca sexta</i> . <i>Biochemical and Biophysical Research Communications</i> , 1996, 228, 517-523.	2.1	38
60	Physiology and Biochemistry of Insect Moulting Fluid. <i>Advances in Insect Physiology</i> , 1996, 26, 157-232.	2.7	92
61	Developmental Changes of the 26 S Proteasome in Abdominal Intersegmental Muscles of <i>Manduca sexta</i> during Programmed Cell Death. <i>Journal of Biological Chemistry</i> , 1995, 270, 1850-1858.	3.4	146
62	Molting fluid enzymes of the tobacco hornworm, <i>Manduca sexta</i> : Timing of proteolytic and chitinolytic activity in relation to pre-ecdysial development. <i>Archives of Insect Biochemistry and Physiology</i> , 1993, 24, 33-44.	1.5	53
63	Moulting fluid enzymes of the tobacco hornworm, <i>Manduca sexta</i> : Inhibitory effect of 20-hydroxyecdysone on the activity of the cuticle degrading enzyme MFP-1. <i>Journal of Insect Physiology</i> , 1993, 39, 633-637.	2.0	20
64	A cuticle-degrading proteinase from the moulting fluid of the tobacco hornworm, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 1993, 23, 607-614.	2.7	48
65	An aminopeptidase from the moulting fluid of the tobacco hornworm, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 1993, 23, 615-620.	2.7	27
66	Intratesticular ecdysteroid titres and the arrest of sperm production during pupal diapause in the tobacco hornworm, <i>Manduca sexta</i> . <i>Journal of Insect Physiology</i> , 1992, 38, 693-703.	2.0	49
67	Meiotic metaphases are induced by 20-hydroxyecdysone during spermatogenesis of the tobacco hornworm, <i>Manduca sexta</i> . <i>Journal of Insect Physiology</i> , 1988, 34, 1013-1019.	2.0	29
68	The cuticle, growth and moulting in insects: The essential background to the action of acylurea insecticides. <i>Pest Management Science</i> , 1987, 20, 131-146.	0.4	85
69	Food and water economy and its relation to growth in fifth-instar larvae of the tobacco hornworm, <i>Manduca sexta</i> . <i>Journal of Insect Physiology</i> , 1985, 31, 119-127.	2.0	96
70	Cardioactive Peptides from the CNS of a Caterpillar, the Tobacco Hornworm, <i>Manduca Sexta</i> . <i>Journal of Experimental Biology</i> , 1985, 114, 397-414.	1.7	14
71	Physiology of Pupal Ecdysis in the Tobacco Hornworm, <i>Manduca Sexta</i> . <i>Journal of Experimental Biology</i> , 1980, 88, 327-338.	1.7	94