

# Richard Isaac

## List of Publications by Year in descending order

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67  
papers

2,467  
citations

212478

28  
h-index

232693

48  
g-index

69  
all docs

69  
docs citations

69  
times ranked

2725  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proline-specific aminopeptidase P prevents replication-associated genome instability. <i>PLoS Genetics</i> , 2022, 18, e1010025.	1.5	2
2	2020 Invertebrate Neuropeptide Award Announcement. <i>Peptides</i> , 2022, 151, 170762.	1.2	0
3	Protection of Double-Stranded RNA <i>via</i> Complexation with Double Hydrophilic Block Copolymers: Influence of Neutral Block Length in Biologically Relevant Environments. <i>Biomacromolecules</i> , 2022, 23, 2362-2373.	2.6	7
4	Structural basis for the inhibition of human angiotensinâ€ converting enzyme by fosinoprilat. <i>FEBS Journal</i> , 2022, 289, 6659-6671.	2.2	5
5	Metalloaminopeptidases of the Protozoan Parasite <i>Plasmodium falciparum</i> as Targets for the Discovery of Novel Antimalarial Drugs. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1763-1785.	2.9	5
6	Mass spectrometric characterisation of the major peptides of the male ejaculatory duct, including a glycopeptide with an unusual zwitterionic glycosylation. <i>Journal of Proteomics</i> , 2021, 246, 104307.	1.2	0
7	The structure of the <i>Drosophila melanogaster</i> sex peptide: Identification of hydroxylated isoleucine and a strain variation in the pattern of amino acid hydroxylation. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 124, 103414.	1.2	3
8	role for myosuppressin. <i>General and Comparative Endocrinology</i> , 2019, 278, 50-57.	0.8	1
9	The Effect of Mating and the Male Sex Peptide on Group Behaviour of Post-mated Female <i>Drosophila melanogaster</i> . <i>Neurochemical Research</i> , 2019, 44, 1508-1516.	1.6	5
10	Crystal structures of angiotensin-converting enzyme from <i>Anopheles gambiae</i> in its native form and with a bound inhibitor. <i>Biochemical Journal</i> , 2019, 476, 3505-3520.	1.7	6
11	pH-responsive polymer microcapsules for targeted delivery of biomaterials to the midgut of <i>Drosophila suzukii</i> . <i>PLoS ONE</i> , 2018, 13, e0201294.	1.1	12
12	The toxicity of angiotensin converting enzyme inhibitors to larvae of the disease vectors <i>Aedes aegypti</i> and <i>Anopheles gambiae</i> . <i>Scientific Reports</i> , 2017, 7, 45409.	1.6	7
13	Peptidergic control in a fruit crop pest: The spotted-wing drosophila, <i>Drosophila suzukii</i> . <i>PLoS ONE</i> , 2017, 12, e0188021.	1.1	9
14	Crystal structure of Xâ€prolyl aminopeptidase from <i>Caenorhabditis elegans</i> : A cytosolic enzyme with a diâ€nuclear active site. <i>FEBS Open Bio</i> , 2015, 5, 292-302.	1.0	12
15	A Neuronal Pathway that Controls Sperm Ejection and Storage in Female <i>Drosophila</i> . <i>Current Biology</i> , 2015, 25, 790-797.	1.8	83
16	The sexual dimorphic behaviour of adult <i>Drosophila suzukii</i> : elevated female locomotor activity and loss of siesta is a post-mating response. <i>Journal of Experimental Biology</i> , 2015, 218, 3855-61.	0.8	38
17	Genomic and peptidomic analyses of the neuropeptides from the emerging pest, <i>Drosophila suzukii</i> . <i>Peptides</i> , 2015, 68, 33-42.	1.2	23
18	Battle of the sexes over paternity. <i>BMB Reports</i> , 2015, 48, 241-242.	1.1	1

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19	The degradome and the evolution of <i>Drosophila</i> sex peptide as a ligand for the MIP receptor. <i>Peptides</i> , 2014, 53, 258-264.	1.2	7
20	The host-seeking inhibitory peptide, Aea-HP-1, is made in the male accessory gland and transferred to the female during copulation. <i>Peptides</i> , 2012, 34, 150-157.	1.2	27
21	Biostable multi-Aib analogs of tachykinin-related peptides demonstrate potent oral aphicidal activity in the pea aphid <i>Acyrtosiphon pisum</i> (Hemiptera: Aphidae). <i>Peptides</i> , 2011, 32, 587-594.	1.2	33
22	Loss of Angiotensin-converting enzyme-related (ACER) peptidase disrupts night-time sleep in adult <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2011, 214, 680-686.	0.8	26
23	<i>Drosophila</i> male sex peptide inhibits siesta sleep and promotes locomotor activity in the post-mated female. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 65-70.	1.2	206
24	The PAM-1 aminopeptidase regulates centrosome positioning to ensure anterior-posterior axis specification in one-cell <i>C. elegans</i> embryos. <i>Developmental Biology</i> , 2010, 344, 992-1000.	0.9	21
25	Neuropeptidases and the metabolic inactivation of insect neuropeptides. <i>General and Comparative Endocrinology</i> , 2009, 162, 8-17.	0.8	51
26	Locomotor and geotactic behavior of <i>Drosophila melanogaster</i> over-expressing neprilysin 2. <i>Peptides</i> , 2009, 30, 571-574.	1.2	27
27	Bioinformatic analysis of the neprilysin (M13) family of peptidases reveals complex evolutionary and functional relationships. <i>BMC Evolutionary Biology</i> , 2008, 8, 16.	3.2	71
28	Male accessory glands of <i>Drosophila melanogaster</i> make a secreted angiotensin I-converting enzyme (ANCE), suggesting a role for the peptide-processing enzyme in seminal fluid. <i>Journal of Experimental Biology</i> , 2007, 210, 3601-3606.	0.8	42
29	Metabolic inactivation of the circadian transmitter, pigment dispersing factor (PDF), by neprilysin-like peptidases in <i>Drosophila</i> . <i>Journal of Experimental Biology</i> , 2007, 210, 4465-4470.	0.8	24
30	Angiotensin-converting enzyme as a target for the development of novel insect growth regulators. <i>Peptides</i> , 2007, 28, 153-162.	1.2	35
31	Expression of NEP2, a soluble neprilysin-like endopeptidase, during embryogenesis in <i>Drosophila melanogaster</i> . <i>Peptides</i> , 2007, 28, 127-135.	1.2	18
32	Proteomic identification of <i>Drosophila melanogaster</i> male accessory gland proteins, including a pro-cathepsin and a soluble gamma-glutamyl transpeptidase. <i>Proteome Science</i> , 2006, 4, 9.	0.7	73
33	Structural diversity of angiotensin-converting enzyme. Insights from structure-activity comparisons of two <i>Drosophila</i> enzymes. <i>FEBS Journal</i> , 2006, 273, 362-373.	2.2	21
34	The angiotensin-converting enzyme (ACE) gene family of <i>Anopheles gambiae</i> . <i>BMC Genomics</i> , 2005, 6, 172.	1.2	25
35	<i>Drosophila melanogaster</i> NEP2 is a new soluble member of the neprilysin family of endopeptidases with implications for reproduction and renal function. <i>Biochemical Journal</i> , 2005, 386, 357-366.	1.7	38
36	Proctolin in the post-genomic era: new insights and challenges. <i>Invertebrate Neuroscience</i> , 2004, 5, 51-64.	1.8	39

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37	Identification of a proctolin preprohormone gene (Proct) of <i>Drosophila melanogaster</i> : Expression and predicted prohormone processing. <i>Journal of Neurobiology</i> , 2004, 58, 379-391.	3.7	47
38	Identification and localization of a neprilysin-like activity that degrades tachykinin-related peptides in the brain of the cockroach, <i>Leucophaea maderae</i> , and locust, <i>Locusta migratoria</i> . <i>Journal of Comparative Neurology</i> , 2003, 457, 57-66.	0.9	17
39	The <i>drosophila</i> angiotensin-converting enzyme homologue Ance is required for spermiogenesis. <i>Developmental Biology</i> , 2003, 254, 238-247.	0.9	56
40	ACE inhibitors reduce fecundity in the mosquito, <i>Anopheles stephensi</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 134, 593-598.	0.7	29
41	An Essential Role in Molting and Morphogenesis of <i>Caenorhabditis elegans</i> for ACN-1, a Novel Member of the Angiotensin-converting Enzyme Family That Lacks a Metallopeptidase Active Site. <i>Journal of Biological Chemistry</i> , 2003, 278, 52340-52346.	1.6	65
42	Ance, a <i>Drosophila</i> angiotensin-converting enzyme homologue, is expressed in imaginal cells during metamorphosis and is regulated by the steroid, 20-hydroxyecdysone. <i>Biochemical Journal</i> , 2002, 367, 187-193.	1.7	32
43	Inactivation of a tachykinin-related peptide: identification of four neuropeptide-degrading enzymes in neuronal membranes of insects from four different orders. <i>Peptides</i> , 2002, 23, 725-733.	1.2	33
44	Extracellular peptidases of imaginal discs of <i>Drosophila melanogaster</i> . <i>Peptides</i> , 2002, 23, 2007-2014.	1.2	19
45	Peptidyl dipeptidases (Ance and Acer) of <i>Drosophila melanogaster</i> : major differences in the substrate specificity of two homologs of human angiotensin I-converting enzyme. <i>Peptides</i> , 2002, 23, 2025-2034.	1.2	32
46	Functional expression and characterization of the cytoplasmic aminopeptidase P of <i>Caenorhabditis elegans</i> . <i>FEBS Journal</i> , 2001, 268, 5430-5438.	0.2	31
47	The neprilysin (NEP) family of zinc metalloendopeptidases: Genomics and function. <i>BioEssays</i> , 2001, 23, 261-269.	1.2	388
48	The neprilysin-like gene family in <i>Drosophila melanogaster</i> . <i>Biochemical Society Transactions</i> , 2000, 28, A81-A81.	1.6	0
49	Probing the biological roles of nucleoside transporters using <i>Caenorhabditis elegans</i> as a model organism. <i>Biochemical Society Transactions</i> , 2000, 28, A93-A93.	1.6	0
50	Expression and Functional Characterization of a <i>Drosophila</i> Neuropeptide Precursor with Homology to Mammalian Preprotachykinin A. <i>Journal of Biological Chemistry</i> , 2000, 275, 23273-23280.	1.6	139
51	Functional Conservation of the Active Sites of Human and <i>Drosophila</i> Angiotensin I-Converting Enzyme. <i>Biochemistry</i> , 2000, 39, 8963-8969.	1.2	62
52	Insect Angiotensin-converting Enzyme: A Processing Enzyme with Broad Substrate Specificity and a Role in Reproduction. <i>Annals of the New York Academy of Sciences</i> , 1999, 897, 342-347.	1.8	46
53	Hydrolysis by somatic angiotensin-I converting enzyme of basic dipeptides from a cholecystokinin/gastrin and a LH-RH peptide extended at the C-terminus with Gly-Arg/Lys-Arg, but not from diarginyl insulin. <i>FEBS Journal</i> , 1999, 262, 569-574.	0.2	6
54	Toward a Role for Angiotensin-Converting Enzyme in Insects. <i>Annals of the New York Academy of Sciences</i> , 1998, 839, 288-292.	1.8	21

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55	The <i>Drosophila melanogaster</i> -related angiotensin-I-converting enzymes Acer and Ance . Distinct enzymic characteristics and alternative expression during pupal development. FEBS Journal, 1998, 257, 599-606.	0.2	78
56	A novel peptide-processing activity of insect peptidyl-dipeptidase A (angiotensin I-converting enzyme): the hydrolysis of lysyl-arginine and arginyl-arginine from the C-terminus of an insect prohormone peptide. Biochemical Journal, 1998, 330, 61-65.	1.7	49
57	Cleavage of arginyl-arginine and lysyl-arginine from the C-terminus of pro-hormone peptides by human germinal angiotensin I-converting enzyme (ACE) and the C-domain of human somatic ACE. Biochemical Journal, 1997, 328, 587-591.	1.7	24
58	Characterisation of ZK643.3: a putative 7TM neuropeptide receptor. Biochemical Society Transactions, 1997, 25, 440S-440S.	1.6	0
59	Characterisation of a <i>C. elegans</i> neurotransmitter transporter gene. Biochemical Society Transactions, 1997, 25, 552S-552S.	1.6	0
60	The expression of a <i>C. elegans</i> neurotransmitter transporter gene (T25B6.7). Biochemical Society Transactions, 1997, 25, 553S-553S.	1.6	0
61	Purification and characterization of prostaglandin-H E-isomerase, a sigma-class glutathione S-transferase, from <i>Ascaridia galli</i> . Biochemical Journal, 1996, 313, 223-227.	1.7	59
62	The endopeptidase activity and the activation by Cl <sup>-</sup> of angiotensin-converting enzyme is evolutionarily conserved: purification and properties of an an angiotensin-converting enzyme from the housefly, <i>Musca domestica</i> . Biochemical Journal, 1996, 314, 639-646.	1.7	74
63	Cloning and Expression of an Evolutionary Conserved Single-domain Angiotensin Converting Enzyme from <i>Drosophila melanogaster</i> . Journal of Biological Chemistry, 1995, 270, 13613-13619.	1.6	131
64	Metabolism of AF1 (KNEFIRF-NH2) in the nematode <i>Ascaris suum</i> . Biochemical Society Transactions, 1994, 22, 293S-293S.	1.6	8
65	Characterisation of putative <i>Drosophila</i> angiotensin converting enzyme cDNA clones. Biochemical Society Transactions, 1993, 21, 243S-243S.	1.6	7
66	Metabolism of insect hypertrehalosemic hormone in <i>Blaberus discoidalis</i> cockroaches. Biochemical Society Transactions, 1993, 21, 244S-244S.	1.6	3
67	Identification of an ACE-like peptidyl dipeptidase activity in the housefly, <i>Musca domestica</i> . Biochemical Society Transactions, 1993, 21, 245S-245S.	1.6	7