Kenneth Sderhll

List of Publications by Year in Descending Order

203 papers	15,819 citations	67 h-index	121 g-index
207 ext. papers	17,236 ext. citations	4.7 avg, IF	6.67 L-index

#	Paper	IF	Citations
203	Gut microbiome alterations in the crustacean Pacifastacus leniusculus exposed to environmental concentrations of antibiotics and effects on susceptibility to bacteria challenges. *Developmental and Comparative Immunology*, **2022**, 126, 104181	3.2	2
202	The stress-immunity axis in shellfish. *Journal of Invertebrate Pathology*, **2021**, 186, 107492	2.6	10
201	Early Changes in Crayfish Hemocyte Proteins after Injection with a β-1,3-glucan, Compared to Saline Injected and Naive Animals. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
200	Vibrio areninigrae as a pathogenic bacterium in a crustacean. *Journal of Invertebrate Pathology*, **2021**, 178, 107517	2.6	2
199	Immune properties of invertebrate phenoloxidases. *Developmental and Comparative Immunology*, **2021**, 122, 104098	3.2	17
198	Transglutaminase 1 and 2 are localized in different blood cells in the freshwater crayfish Pacifastacus leniusculus. *Fish and Shellfish Immunology*, **2020**, 104, 83-91	4.3	4
197	The N-terminal peptide generated after activation of prophenoloxidase affects crayfish hematopoiesis. *Developmental and Comparative Immunology*, **2020**, 108, 103687	3.2	5
196	Environmental concentrations of sulfamethoxazole increase crayfish Pacifastacus leniusculus susceptibility to White Spot Syndrome Virus. *Fish and Shellfish Immunology*, **2020**, 102, 177-184	4.3	9
195	A transcription factor glial cell missing (Gcm) in the freshwater crayfish Pacifastacus leniusculus. *Developmental and Comparative Immunology*, **2020**, 113, 103782	3.2	2
194	Astakine1 forms protein complex in plasma. *Fish and Shellfish Immunology*, **2019**, 94, 66-71	4.3	3
193	Transglutaminase inhibition stimulates hematopoiesis and reduces aggressive behavior of crayfish,. *Journal of Biological Chemistry*, **2019**, 294, 708-715	5.4	10
192	Crayfish immunity - Recent findings. *Developmental and Comparative Immunology*, **2018**, 80, 94-98	3.2	39
191	Clotting protein - An extracellular matrix (ECM) protein involved in crustacean hematopoiesis. *Developmental and Comparative Immunology*, **2018**, 78, 132-140	3.2	15
190	Characterization of a cold-active transglutaminase from a crayfish, Pacifastacus leniusculus. *Fish and Shellfish Immunology*, **2018**, 80, 546-549	4.3	16
189	The effect of temperature on white spot disease progression in a crustacean, Pacifastacus leniusculus. *Developmental and Comparative Immunology*, **2018**, 89, 7-13	3.2	8
188	Arthropoda: Pattern Recognition Proteins in Crustacean Immunity **2018**, 213-224		4
187	The effect of temperature on bacteria-host interactions in the freshwater crayfish, Pacifastacus leniusculus. *Journal of Invertebrate Pathology*, **2018**, 157, 67-73	2.6	14

186	Transfection of crayfish hematopoietic tissue cells. *Developmental and Comparative Immunology*, **2018**, 88, 70-76	3.2	10
185	Role of astakine1 in regulating transglutaminase activity. *Developmental and Comparative Immunology*, **2017**, 76, 77-82	3.2	12
184	PDGF/VEGF-Related Receptor Affects Transglutaminase Activity to Control Cell Migration During Crustacean Hematopoiesis. *Stem Cells and Development*, **2017**, 26, 1449-1459	4.4	10
183	A Pacifastacus leniusculus serine protease interacts with WSSV. *Fish and Shellfish Immunology*, **2017**, 68, 211-219	4.3	7
182	Reactive Oxygen Species Affect Transglutaminase Activity and Regulate Hematopoiesis in a Crustacean. *Journal of Biological Chemistry*, **2016**, 291, 17593-601	5.4	26
181	Retraction for Watthanasurorot et al., Hijacking of Host Calreticulin Is Required for the White Spot Syndrome Virus Replication Cycle. *Journal of Virology*, **2016**, 90, 1155	6.6	
180	Retraction for Watthanasurorot et al., A gC1qR Prevents White Spot Syndrome Virus Replication in the Freshwater Crayfish Pacifastacus leniusculus. *Journal of Virology*, **2016**, 90, 1154	6.6	
179	Characterization of a hemocyte homeostasis-associated-like protein (HHAP) in the freshwater crayfish Pacifastacus leniusculus. *Fish and Shellfish Immunology*, **2016**, 58, 429-435	4.3	10
178	Thermolysin damages animal life through degradation of plasma proteins enhanced by rapid cleavage of serpins and activation of proteases. *Archives of Insect Biochemistry and Physiology*, **2015**, 88, 64-84	2.3	3
177	Interaction of Vibrio spp. with the Inner Surface of the Digestive Tract of Penaeus monodon. *PLoS ONE*, **2015**, 10, e0135783	3.7	46
176	Hijacking of host calreticulin is required for the white spot syndrome virus replication cycle. *Journal of Virology*, **2014**, 88, 8116-28	6.6	12
175	Recombinant Drosophila prophenoloxidase 1 is sequentially cleaved by □chymotrypsin during in vitro activation. *Biochimie*, **2014**, 102, 154-65	4.6	12
174	Caspase-1-like regulation of the proPO-system and role of ppA and caspase-1-like cleaved peptides from proPO in innate immunity. *PLoS Pathogens*, **2014**, 10, e1004059	7.6	27
173	A calreticulin/gC1qR complex prevents cells from dying: a conserved mechanism from arthropods to humans. *Journal of Molecular Cell Biology*, **2014**, 6, 535-536	6.3	
172	Prophenoloxidase-activating Enzyme **2013**, 3068-3074		2
171	An MBL-like protein may interfere with the activation of the proPO-system, an important innate immune reaction in invertebrates. *Immunobiology*, **2013**, 218, 159-68	3.4	34
170	Astakine 2--the dark knight linking melatonin to circadian regulation in crustaceans. *PLoS Genetics*, **2013**, 9, e1003361	6	10
169	Variable immune molecules in invertebrates. *Journal of Experimental Biology*, **2013**, 216, 4313-9	3	54

168	A calreticulin/gC1qR complex prevents cells from dying: a conserved mechanism from arthropods to humans. *Journal of Molecular Cell Biology*, **2013**, 5, 120-31	6.3	21
167	Ethymosins and hemocyte homeostasis in a crustacean. *PLoS ONE*, **2013**, 8, e60974	3.7	23
166	Pefabloc A sulfonyl fluoride serine protease inhibitor blocks induction of Diptericin in Drosophila l(2)mbn cells. *Insect Science*, **2012**, 19, 472-476	3.6	
165	Invertebrate hematopoiesis: an anterior proliferation center as a link between the hematopoietic tissue and the brain. *Stem Cells and Development*, **2012**, 21, 3173-86	4.4	41
164	An insect TEP in a crustacean is specific for cuticular tissues and involved in intestinal defense. *Insect Biochemistry and Molecular Biology*, **2012**, 42, 71-80	4.5	29
163	A mammalian like interleukin-1 receptor-associated kinase 4 (IRAK-4), a TIR signaling mediator in intestinal innate immunity of black tiger shrimp (Penaeus monodon). *Biochemical and Biophysical Research Communications*, **2012**, 417, 623-9	3.4	13
162	Existence of prophenoloxidase in wing discs: a source of plasma prophenoloxidase in the silkworm, Bombyx mori. *PLoS ONE*, **2012**, 7, e41416	3.7	10
161	Hindgut innate immunity and regulation of fecal microbiota through melanization in insects. *Journal of Biological Chemistry*, **2012**, 287, 14270-9	5.4	79
160	Peptidoglycan activation of the proPO-system without a peptidoglycan receptor protein (PGRP)?. *Developmental and Comparative Immunology*, **2011**, 35, 51-61	3.2	37
159	An ancient cytokine, astakine, mediates circadian regulation of invertebrate hematopoiesis. *Cellular and Molecular Life Sciences*, **2011**, 68, 315-23	10.3	30
158	Two novel ficolin-like proteins act as pattern recognition receptors for invading pathogens in the freshwater crayfish Pacifastacus leniusculus. *Proteomics*, **2011**, 11, 2249-64	4.8	57
157	Invertebrate hematopoiesis: an astakine-dependent novel hematopoietic factor. *Journal of Immunology*, **2011**, 186, 2073-9	5.3	52
156	Coagulation in invertebrates. *Journal of Innate Immunity*, **2011**, 3, 3-8	6.9	70
155	Bacteria-Induced Dscam Isoforms of the Crustacean, Pacifastacus leniusculus. *PLoS Pathogens*, **2011**, 7, e1002062	7.6	93
154	Inflammation in arthropods. *Current Pharmaceutical Design*, **2010**, 16, 4166-74	3.3	16
153	A gC1qR prevents white spot syndrome virus replication in the freshwater crayfish Pacifastacus leniusculus. *Journal of Virology*, **2010**, 84, 10844-51	6.6	32
152	Ancient cytokines, the role of astakines as hematopoietic growth factors. *Journal of Biological Chemistry*, **2010**, 285, 28577-86	5.4	55
151	Role of adhesion in arthropod immune recognition. *Annual Review of Entomology*, **2010**, 55, 485-504	21.8	45

150	In vitro effects on bacterial growth of phenoloxidase reaction products. *Journal of Invertebrate Pathology*, **2010**, 103, 21-3	2.6	49
149	Characterization of two crustin antimicrobial peptides from the freshwater crayfish Pacifastacus leniusculus. *Journal of Invertebrate Pathology*, **2010**, 104, 234-8	2.6	34
148	Expression of immune-related genes in one phase of embryonic development of freshwater crayfish, Pacifastacus leniusculus. *Fish and Shellfish Immunology*, **2010**, 28, 649-53	4.3	20
147	Proteinase inhibitory activities of two two-domain Kazal proteinase inhibitors from the freshwater crayfish Pacifastacus leniusculus and the importance of the P(2) position in proteinase inhibitory activity. *Fish and Shellfish Immunology*, **2010**, 29, 716-23	4.3	8
146	Expression of immune-related genes in the digestive organ of shrimp, Penaeus monodon, after an oral infection by Vibrio harveyi. *Developmental and Comparative Immunology*, **2010**, 34, 19-28	3.2	104
145	High sequence variability among hemocyte-specific Kazal-type proteinase inhibitors in decapod crustaceans. *Developmental and Comparative Immunology*, **2010**, 34, 69-75	3.2	23
144	A novel viral responsive protein is involved in hemocyte homeostasis in the black tiger shrimp, Penaeus monodon. *Journal of Biological Chemistry*, **2010**, 285, 21467-77	5.4	28
143	Beetle immunity. *Advances in Experimental Medicine and Biology*, **2010**, 708, 163-80	3.6	33
142	Proteolytic cascades and their involvement in invertebrate immunity. *Trends in Biochemical Sciences* , **2010**, 35, 575-83	10.3	240
141	Melanization and pathogenicity in the insect, Tenebrio molitor, and the crustacean, Pacifastacus leniusculus, by Aeromonas hydrophila AH-3. *PLoS ONE*, **2010**, 5, e15728	3.7	25
140	Invertebrate immunity. Preface. *Advances in Experimental Medicine and Biology*, **2010**, 708, vii-ix	3.6	5
139	Biological and Immunological Aspects of Innate Defence Mechanisms Activated by (1,3)-Glucans and Related Polysaccharides in Invertebrates **2009**, 563-577		4
138	Role of anti-lipopolysaccharide factor from the black tiger shrimp, Penaeus monodon, in protection from white spot syndrome virus infection. *Journal of General Virology*, **2009**, 90, 1491-1498	4.9	92
137	Proteolytic cascade for the activation of the insect toll pathway induced by the fungal cell wall component. *Journal of Biological Chemistry*, **2009**, 284, 19474-81	5.4	111
136	Identification and properties of a receptor for the invertebrate cytokine astakine, involved in hematopoiesis. *Experimental Cell Research*, **2009**, 315, 1171-80	4.2	46
135	Phylogenetic relationships among plant and animal parasites, and saprotrophs in Aphanomyces (Oomycetes). *Fungal Genetics and Biology*, **2009**, 46, 365-76	3.9	93
134	Antiviral immunity in crustaceans. *Fish and Shellfish Immunology*, **2009**, 27, 79-88	4.3	114
133	A highly virulent pathogen, Aeromonas hydrophila, from the freshwater crayfish Pacifastacus leniusculus. *Journal of Invertebrate Pathology*, **2009**, 101, 56-66	2.6	76

132	A novel protein acts as a negative regulator of prophenoloxidase activation and melanization in the freshwater crayfish Pacifastacus leniusculus. *Journal of Biological Chemistry*, **2009**, 284, 6301-10	5.4	58
131	Transglutaminase activity in the hematopoietic tissue of a crustacean, Pacifastacus leniusculus, importance in hemocyte homeostasis. *BMC Immunology*, **2008**, 9, 58	3.7	70
130	The proPO-system: pros and cons for its role in invertebrate immunity. *Trends in Immunology*, **2008**, 29, 263-71	14.4	809
129	A three-step proteolytic cascade mediates the activation of the peptidoglycan-induced toll pathway in an insect. *Journal of Biological Chemistry*, **2008**, 283, 7599-607	5.4	117
128	Molecular control of phenoloxidase-induced melanin synthesis in an insect. *Journal of Biological Chemistry*, **2008**, 283, 25316-25323	5.4	161
127	Hemocyte-lineage marker proteins in a crustacean, the freshwater crayfish, Pacifastacus leniusculus. *Proteomics*, **2008**, 8, 4226-35	4.8	53
126	Phenoloxidase is an important component of the defense against Aeromonas hydrophila Infection in a crustacean, Pacifastacus leniusculus. *Journal of Biological Chemistry*, **2007**, 282, 33593-33598	5.4	171
125	Purification of properoxinectin, a myeloperoxidase homologue and its activation to a cell adhesion molecule. *Biochimica Et Biophysica Acta - General Subjects*, **2007**, 1770, 87-93	4	33
124	Re-evaluation of the enigmatic species complex Saprolegnia diclina-Saprolegnia parasitica based on morphological, physiological and molecular data. *Fungal Genetics and Biology*, **2007**, 44, 585-601	3.9	69
123	RNA interference of Hemolin causes depletion of phenoloxidase activity in Hyalophora cecropia. *Developmental and Comparative Immunology*, **2007**, 31, 571-5	3.2	51
122	Expression of immune-related genes in larval stages of the giant tiger shrimp, Penaeus monodon. *Fish and Shellfish Immunology*, **2007**, 23, 815-24	4.3	69
121	Of two cytosolic aconitases expressed in Drosophila, only one functions as an iron-regulatory protein. *Journal of Biological Chemistry*, **2006**, 281, 18707-14	5.4	47
120	A synthetic peptidoglycan fragment as a competitive inhibitor of the melanization cascade. *Journal of Biological Chemistry*, **2006**, 281, 7747-55	5.4	44
119	A novel 40-kDa protein containing six repeats of an epidermal growth factor-like domain functions as a pattern recognition protein for lipopolysaccharide. *Journal of Immunology*, **2006**, 177, 1838-45	5.3	28
118	Antilipopolysaccharide factor interferes with white spot syndrome virus replication in vitro and in vivo in the crayfish Pacifastacus leniusculus. *Journal of Virology*, **2006**, 80, 10365-71	6.6	201
117	Characterization of white spot syndrome virus replication in in vitro-cultured haematopoietic stem cells of freshwater crayfish, Pacifastacus leniusculus. *Journal of General Virology*, **2006**, 87, 847-854	4.9	67
116	White spot syndrome virus (WSSV) interaction with crayfish haemocytes. *Fish and Shellfish Immunology*, **2006**, 20, 718-27	4.3	56
115	Cell-mediated immunity in arthropods: hematopoiesis, coagulation, melanization and opsonization. *Immunobiology*, **2006**, 211, 213-36	3.4	581

114	Characterization of a hemocyte intracellular fatty acid-binding protein from crayfish (Pacifastacus leniusculus) and shrimp (Penaeus monodon). *FEBS Journal*, **2006**, 273, 2902-12	5.7	22
113	Microarray analysis of immune challenged Drosophila hemocytes. *Experimental Cell Research*, **2005**, 305, 145-55	4.2	81
112	An ancient role for a prokineticin domain in invertebrate hematopoiesis. *Journal of Immunology*, **2005**, 174, 6153-60	5.3	150
111	Characterisation of a serine proteinase from Penaeus vannamei haemocytes. *Fish and Shellfish Immunology*, **2005**, 18, 101-8	4.3	37
110	A novel 43-kDa protein as a negative regulatory component of phenoloxidase-induced melanin synthesis. *Journal of Biological Chemistry*, **2005**, 280, 24744-51	5.4	48
109	Peptidoglycan recognition proteins involved in 1,3-beta-D-glucan-dependent prophenoloxidase activation system of insect. *Journal of Biological Chemistry*, **2004**, 279, 3218-27	5.4	75
108	The prophenoloxidase-activating system in invertebrates. *Immunological Reviews*, **2004**, 198, 116-26	11.3	1175
107	Physiological and genetic characterisation of some new Aphanomyces strains isolated from freshwater crayfish. *Veterinary Microbiology*, **2004**, 104, 103-12	3.3	29
106	Molecular cloning and characterization of tiger shrimp (Penaeus monodon) transglutaminase. *Developmental and Comparative Immunology*, **2004**, 28, 279-94	3.2	58
105	Molecular cloning of a beta-glucan pattern-recognition lipoprotein from the white shrimp Penaeus (Litopenaeus) vannamei: correlations between the deduced amino acid sequence and the native protein structure. *Developmental and Comparative Immunology*, **2004**, 28, 713-26	3.2	53
104	Effect of water temperature on the immune response and infectivity pattern of white spot syndrome virus (WSSV) in freshwater crayfish. *Fish and Shellfish Immunology*, **2004**, 17, 265-75	4.3	100
103	A single WAP domain-containing protein from Litopenaeus vannamei hemocytes. *Biochemical and Biophysical Research Communications*, **2004**, 314, 681-7	3.4	46
102	Processing of crayfish hemocyanin subunits into phenoloxidase. *Biochemical and Biophysical Research Communications*, **2004**, 322, 490-6	3.4	95
101	Coagulation in arthropods: defence, wound closure and healing. *Trends in Immunology*, **2004**, 25, 289-94	14.4	260
100	Processing of an antibacterial peptide from hemocyanin of the freshwater crayfish Pacifastacus leniusculus. *Journal of Biological Chemistry*, **2003**, 278, 7927-33	5.4	171
99	Host prophenoloxidase expression in freshwater crayfish is linked to increased resistance to the crayfish plague fungus, Aphanomyces astaci. *Cellular Microbiology*, **2003**, 5, 353-7	3.9	106
98	Hemocyte production and maturation in an invertebrate animal; proliferation and gene expression in hematopoietic stem cells of Pacifastacus leniusculus. *Developmental and Comparative Immunology*, **2003**, 27, 661-72	3.2	232
97	Characterization and properties of a 1,3-beta-D-glucan pattern recognition protein of Tenebrio molitor larvae that is specifically degraded by serine protease during prophenoloxidase activation. *Journal of Biological Chemistry*, **2003**, 278, 42072-9	5.4	73

96	A new easter-type serine protease cleaves a masquerade-like protein during prophenoloxidase activation in Holotrichia diomphalia larvae. *Journal of Biological Chemistry*, **2002**, 277, 39999-40004	5.4	110
95	Early events in crustacean innate immunity. *Fish and Shellfish Immunology*, **2002**, 12, 421-37	4.3	306
94	A beta-1,3-glucan binding protein from the black tiger shrimp, Penaeus monodon. *Developmental and Comparative Immunology*, **2002**, 26, 237-45	3.2	100
93	Crustacean blood cell cultures; a new tool for immune studies and parasite-host interactions. *Fisheries Science*, **2002**, 68, 1116-1118	1.9	1
92	Properties of the prophenoloxidase activating enzyme of the freshwater crayfish, Pacifastacus leniusculus. *FEBS Journal*, **2001**, 268, 895-902		135
91	Enteric bacteria counteract lipopolysaccharide induction of antimicrobial peptide genes. *Journal of Immunology*, **2001**, 167, 6920-3	5.3	22
90	Characterization of a pattern recognition protein, a masquerade-like protein, in the freshwater crayfish Pacifastacus leniusculus. *Journal of Immunology*, **2001**, 166, 7319-26	5.3	123
89	Molecular cloning and characterization of two serine proteinase genes from the crayfish plague fungus, Aphanomyces astaci. *Journal of Invertebrate Pathology*, **2001**, 77, 206-16	2.6	15
88	A cell adhesion protein from the crayfish Pacifastacus leniusculus, a serine proteinase homologue similar to Drosophila masquerade. *Journal of Biological Chemistry*, **2000**, 275, 9996-10001	5.4	78
87	The proPO and clotting system in crustaceans. *Aquaculture*, **2000**, 191, 53-69	4.4	322
86	Crustacean haemocytes and haematopoiesis. *Aquaculture*, **2000**, 191, 45-52	4.4	461
85	A lipopolysaccharide- and beta-1,3-glucan-binding protein from hemocytes of the freshwater crayfish Pacifastacus leniusculus. Purification, characterization, and cDNA cloning. *Journal of Biological Chemistry*, **2000**, 275, 1337-43	5.4	223
84	An atypical iron-responsive element (IRE) within crayfish ferritin mRNA and an iron regulatory protein 1 (IRP1)-like protein from crayfish hepatopancreas. *Insect Biochemistry and Molecular Biology*, **1999**, 29, 1-9	4.5	27
83	Molecular cloning and characterization of prophenoloxidase in the black tiger shrimp, Penaeus monodon. *Developmental and Comparative Immunology*, **1999**, 23, 179-86	3.2	110
82	Cell adhesion molecules and antioxidative enzymes in a crustacean, possible role in immunity. *Aquaculture*, **1999**, 172, 111-123	4.4	279
81	Role of the prophenoloxidase-activating system in invertebrate immunity. *Current Opinion in Immunology*, **1998**, 10, 23-8	7.8	1018
80	Drosophila ferritin mRNA: alternative RNA splicing regulates the presence of the iron-responsive element. *FEBS Letters*, **1998**, 436, 476-82	3.8	43
79	RAPD evidence for the origin of crayfish plague outbreaks in Britain. *Aquaculture*, **1997**, 157, 181-185	4.4	39

78	Using PRINS for gene mapping in polytene chromosomes. *Chromosome Research*, **1997**, 5, 463-5	4.4	5
77	Identification and cloning of an integrin β subunit from hemocytes of the freshwater crayfish Pacifastacus leniusculus **1997**, 277, 255-261		36
76	Identification and cloning of an integrin β subunit from hemocytes of the freshwater crayfish Pacifastacus leniusculus **1997**, 277, 255		3
75	A plasma protein isolated from brown shrimp (Penaeus californiensis) which enhances the activation of prophenoloxidase system by beta-1,3-glucan. *Developmental and Comparative Immunology*, **1996**, 20, 299-306	3.2	71
74	Purification and cDNA cloning of ferritin from the hepatopancreas of the freshwater crayfish Pacifastacus leniusculus. *FEBS Journal*, **1996**, 236, 450-6		54
73	Crustacean Immunity and Complement; a Premature Comparison?. *American Zoologist*, **1995**, 35, 60-67		9
72	Isolation of cDNA encoding a novel serpin of crayfish hemocytes. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **1995**, 112, 385-91	2.3	19
71	Physiological adaptation of an Aphanomyces astaci strain isolated from the freshwater crayfish Procambarus clarkii. *Mycological Research*, **1995**, 99, 574-578		107
70	Crayfish α-macroglobulin as a substrate for transglutaminases. *Comparative Biochemistry and Physiology Part B: Comparative Biochemistry*, **1994**, 108, 65-72		12
69	Purification and cDNA cloning of a four-domain Kazal proteinase inhibitor from crayfish blood cells. *FEBS Journal*, **1994**, 223, 389-94		67
68	Repeated zoospore emergence in Saprolegnia parasitica. *Mycological Research*, **1994**, 98, 810-815		45
67	The prophenoloxidase activating system and its role in invertebrate defence. *Annals of the New York Academy of Sciences*, **1994**, 712, 155-61	6.5	139
66	Opsonic activity of cell adhesion proteins and beta-1,3-glucan binding proteins from two crustaceans. *Developmental and Comparative Immunology*, **1994**, 18, 3-12	3.2	109
65	Saprolegnia parasitica and its virulence on three different species of freshwater crayfish. *Aquaculture*, **1994**, 120, 219-228	4.4	39
64	Analysis of genetic diversity in the crayfish plague fungus, Aphanomyces astaci, by random amplification of polymorphic DNA. *Aquaculture*, **1994**, 126, 1-9	4.4	85
63	Intracellular signaling in arthropod blood cells: involvement of protein kinase C and protein tyrosine phosphorylation in the response to the 76-kDa protein or the beta-1,3-glucan-binding protein in crayfish. *Developmental and Comparative Immunology*, **1993**, 17, 495-500	3.2	22
62	β1,3-glucan-binding Proteins From Plasma of the Fresh-water Crayfishes Astacus Astacus and Procambarus Clarkii. *Journal of Crustacean Biology*, **1993**, 13, 403-408	0.8	34
61	Isolation and characterization of a hemagglutinin with affinity for lipopolysaccharides from plasma of the crayfish Pacifastacus leniusculus. *Developmental and Comparative Immunology*, **1993**, 17, 407-18	3.2	36

60	Characterization of a clotting protein, isolated from plasma of the freshwater crayfish Pacifastacus leniusculus. *FEBS Journal*, **1993**, 213, 591-7		91
59	Isolation of Trichosporon beigelii from the freshwater crayfish Astacus astacus. *Aquaculture*, **1993**, 116, 25-31	4.4	8
58	Psorospermium haeckeli and its interaction with the crayfish defence system. *Aquaculture*, **1993**, 117, 205-213	4.4	28
57	Prophenoloxidase Activating System and Its Role in Cellular Communication **1993**, 113-129		6
56	Biochemical and molecular aspects of cellular communication in arthropods. *Bollettino Di Zoologia*, **1992**, 59, 141-151		47
55	Prevention of transmission of the crayfish plague fungus (Aphanomyces astaci) to the freshwater crayfish Astacus astacus by treatment with MgCl2. *Aquaculture*, **1992**, 104, 11-18	4.4	23
54	Crustacean immunity. *Annual Review of Fish Diseases*, **1992**, 2, 3-23		317
53	Effects of Ampropylfos (RS)-1-aminopropylphosphonic acid) on zoospore formation, repeated zoospore emergence and oospore formation in Aphanomyces spp.. *Pest Management Science*, **1992**, 36, 189-194		7
52	Crayfish α-macroglobulin and 76 kDa protein; Their biosynthesis and subcellular localization of the 76 kDa protein. *Journal of Insect Physiology*, **1992**, 38, 987-995	2.4	39
51	Purification and partial characterization of a beta-1,3-glucan-binding-protein membrane receptor from blood cells of the crayfish Pacifastacus leniusculus. *FEBS Journal*, **1992**, 207, 223-8		54
50	Purification of prophenoloxidase from crayfish blood cells, and its activation by an endogenous serine proteinase. *Insect Biochemistry*, **1991**, 21, 363-373		133
49	The β1,3-glucan-binding protein from the crayfish Pacifastacus leniusculus, when reacted with a β1,3-glucan, induces spreading and degranulation of crayfish granular cells. *Cell and Tissue Research*, **1991**, 266, 491-497	4.2	59
48	Isolation of a 90kDa protein from haemocytes of Blaberus craniifer which has similar functional and immunological properties to the 76 kDa protein from crayfish haemocytes. *Journal of Insect Physiology*, **1991**, 37, 627-634	2.4	33
47	A comparison of phenoloxidase activity in the blood of marine invertebrates. *Developmental and Comparative Immunology*, **1991**, 15, 251-61	3.2	197
46	Isolation of Saprolegnia parasitica from the crayfish Astacus leptodactylus. *Aquaculture*, **1991**, 92, 121-125	2.4	34
45	The crayfish pathogen Psorospermium haeckeli activates the prophenoloxidase activating system of freshwater crayfish in vitro. *Aquaculture*, **1991**, 99, 225-233	4.4	10
44	The effect of endogeneous proteinase inhibitors on the prophenoloxidase activating enzyme, a serine proteinase from crayfish haemocytes. *Insect Biochemistry*, **1990**, 20, 485-492		78
43	Purification and characterization of a prophenoloxidase activating enzyme from crayfish blood cells. *Insect Biochemistry*, **1990**, 20, 709-718		77

42	Purification and Some Properties of a Daucus carota Lectin which Enhances the Activation of Prophenoloxidase by CaCl(2). *Plant Physiology*, **1990**, 93, 657-61	6.6	6
41	Mannitol metabolism in the ectomycorrhizal basidiomycete Piloderma croceum during glucose utilization. A 13C NMR study. *Agriculture, Ecosystems and Environment*, **1990**, 28, 409-414	5.7	8
40	The effect of the fungal toxin destruxin E on isolated crayfish haemocytes. *Journal of Insect Physiology*, **1990**, 36, 785-789	2.4	32
39	A peptide containing the cell adhesion sequence RGD can mediate degranulation and cell adhesion of crayfish granular haemocytes in vitro. *Insect Biochemistry*, **1989**, 19, 573-579		49
38	A cell adhesion factor from crayfish haemocytes has degranulating activity towards crayfish granular cells. *Insect Biochemistry*, **1989**, 19, 183-190		87
37	Purification of prophenol oxidase from Daucus carota cell cultures. *Phytochemistry*, **1989**, 28, 1805-1808	4	29
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