

Christopher J Coates

List of Publications by Year in descending order

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59
papers

1,494
citations

341340

20
h-index

340881

36
g-index

66
all docs

66
docs citations

66
times ranked

1885
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse immune functions of hemocyanins. <i>Developmental and Comparative Immunology</i> , 2014, 45, 43-55.	2.3	252
2	Immunological properties of oxygen-transport proteins: hemoglobin, hemocyanin and hemerythrin. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 293-317.	5.5	112
3	Re-evaluation of insect melanogenesis research: Views from the dark side. <i>Pigment Cell and Melanoma Research</i> , 2017, 30, 386-401.	3.3	95
4	Dose-dependent cellular and humoral responses in <i>Galleria mellonella</i> larvae following β -glucan inoculation. <i>Microbes and Infection</i> , 2010, 12, 146-153.	2.0	83
5	Identification of candidate antimicrobial peptides derived from abalone hemocyanin. <i>Developmental and Comparative Immunology</i> , 2015, 49, 96-102.	2.3	55
6	Possible role of phosphatidylserine-hemocyanin interaction in the innate immune response of <i>Limulus polyphemus</i> . <i>Developmental and Comparative Immunology</i> , 2011, 35, 155-163.	2.3	48
7	Effect of temperature on biochemical and cellular properties of captive <i>Limulus polyphemus</i> . <i>Aquaculture</i> , 2012, 334-337, 30-38.	3.5	47
8	The stress-immunity axis in shellfish. <i>Journal of Invertebrate Pathology</i> , 2021, 186, 107492.	3.3	44
9	The insect, <i>Galleria mellonella</i> , is a compatible model for evaluating the toxicology of okadaic acid. <i>Cell Biology and Toxicology</i> , 2019, 35, 219-232.	5.7	41
10	Hemocyanin-derived phenoloxidase activity: A contributing factor to hyperpigmentation in <i>Nephrops norvegicus</i> . <i>Food Chemistry</i> , 2013, 140, 361-369.	8.4	36
11	Characterizing the Mechanisms of Nonopsonic Uptake of Cryptococci by Macrophages. <i>Journal of Immunology</i> , 2018, 200, 3539-3546.	0.8	36
12	Hemocyanin-derived phenoloxidase reaction products display anti-infective properties. <i>Developmental and Comparative Immunology</i> , 2018, 86, 47-51.	2.3	34
13	Indomethacin-induced gut damage in a surrogate insect model, <i>Galleria mellonella</i> . <i>Archives of Toxicology</i> , 2019, 93, 2347-2360.	4.3	32
14	A putative link between phagocytosis-induced apoptosis and hemocyanin-derived phenoloxidase activation. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 1319-1331.	4.9	30
15	Welfare in Farmed Decapod Crustaceans, With Particular Reference to <i>Penaeus vannamei</i> . <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	30
16	Multifunctional Roles of Hemocyanins. <i>Sub-Cellular Biochemistry</i> , 2020, 94, 233-250.	0.0	27
17	Phagocytic activity of <i>Limulus polyphemus</i> amebocytes in vitro. <i>Journal of Invertebrate Pathology</i> , 2012, 111, 205-210.	3.3	22
18	A denitrifying community associated with a major, marine nitrogen fixer. <i>Environmental Microbiology</i> , 2017, 19, 4978-4992.	3.9	22

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19	Spatial and temporal disease dynamics of the parasite <i>Hematodinium</i> sp. in shore crabs, <i>Carcinus maenas</i> . <i>Parasites and Vectors</i> , 2019, 12, 472.	2.6	22
20	<i>Metarhizium brunneum</i> infection dynamics differ at the cuticle interface of susceptible and tolerant morphs of <i>Galleria mellonella</i>. <i>Virulence</i> , 2019, 10, 999-1012.	4.5	22
21	Discovery of Novel Hemocyanin-Like Genes in Metazoans. <i>Biological Bulletin</i> , 2018, 235, 134-151.	1.7	20
22	Effects of known phenoloxidase inhibitors on hemocyanin-derived phenoloxidase from <i>Limulus polyphemus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012, 163, 303-308.	1.7	19
23	Prevalence and histopathology of the parasitic barnacle, <i>Sacculina carcini</i> in shore crabs, <i>Carcinus maenas</i> . <i>Journal of Invertebrate Pathology</i> , 2020, 171, 107338.	3.3	18
24	Small Deletion/Insertion Mutations Within Poly-A Runs of the Factor VIII Gene Mitigate the Severe Haemophilia A Phenotype. , 1999, , 191-194.		18
25	Physiological Condition, Short-Term Survival, and Predator Avoidance Behavior of Discarded Norway Lobsters (<i>Nephrops norvegicus</i>). <i>Journal of Shellfish Research</i> , 2016, 35, 1053-1065.	0.9	16
26	The Effect of Temperature on the Physiological Condition and Immune-Capacity of European Lobsters (<i>Homarus gammarus</i>) During Long-Term Starvation. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	16
27	Laccase and catecholoxidase activities contribute to innate immunity in slipper limpets, <i>Crepidula fornicata</i> . <i>Developmental and Comparative Immunology</i> , 2020, 110, 103724.	2.3	16
28	The diarrhetic shellfish-poisoning toxin, okadaic acid, provokes gastropathy, dysbiosis and susceptibility to bacterial infection in a non-rodent bioassay, <i>Galleria mellonella</i> . <i>Archives of Toxicology</i> , 2021, 95, 3361-3376.	4.3	16
29	Emerging Diseases and Epizootics in Crabs Under Cultivation. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	16
30	Antimicrobial Volatiles of the Insect Pathogen <i>Metarhizium brunneum</i> . <i>Journal of Fungi (Basel)</i> , Tj ETQq0 0 0 rgBT /Overlock 1Q Tf 50 300	3.6	15
31	Newly Discovered Occurrences and Gene Tree of the Extracellular Globins and Linker Chains from the Giant Hexagonal Bilayer Hemoglobin in Metazoans. <i>Genome Biology and Evolution</i> , 2019, 11, 597-612.	2.6	14
32	Diagnosis and prevalence of two new species of haplosporidians infecting shore crabs<i>Carcinus maenas</i>:<i>Haplosporidium carcini</i>n. sp., and<i>H. cranc</i>n. sp.. <i>Parasitology</i> , 2020, 147, 1229-1237.	1.8	13
33	Defective phagocyte association during infection of <i>Galleria mellonella</i> with <i>Yersinia pseudotuberculosis</i> is detrimental to both insect host and microbe. <i>Virulence</i> , 2021, 12, 638-653.	4.5	13
34	<i>Zoothamnium duplicatum</i> infestation of cultured horseshoe crabs (<i>Limulus polyphemus</i>). <i>Journal of Invertebrate Pathology</i> , 2015, 125, 81-86.	3.3	12
35	RNAi-mediated suppression of insect metalloprotease inhibitor (IMPI) enhances <i>Galleria mellonella</i> susceptibility to fungal infection. <i>Developmental and Comparative Immunology</i> , 2021, 122, 104126.	2.3	11
36	Antagonistic Activity of Lactic Acid Bacteria Against Pathogenic Vibrios and Their Potential Use as Probiotics in Shrimp (<i>Penaeus vannamei</i>) Culture. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	11

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37	Temperature-dependent morbidity of <i>Crinicked</i> TM edible crab, <i>Cancer pagurus</i> . <i>Fisheries Research</i> , 2016, 175, 127-131.	1.9	10
38	Hematodinium sp. infection does not drive collateral disease contraction in a crustacean host. <i>ELife</i> , 2022, 11, .	5.9	10
39	Evolutionary History of the Globin Gene Family in Annelids. <i>Genome Biology and Evolution</i> , 2020, 12, 1719-1733.	2.6	9
40	<i>Bacillus thuringiensis</i> Spores and Cry3A Toxins Act Synergistically to Expedite Colorado Potato Beetle Mortality. <i>Toxins</i> , 2021, 13, 746.	3.5	9
41	Mycosis Is a Disease State Encountered Rarely in Shore Crabs, <i>Carcinus maenas</i> . <i>Pathogens</i> , 2020, 9, 462.	2.9	8
42	The antagonistic effect of <i>Banana bunchy top virus</i> multifunctional protein B4 against <i>Fusarium oxysporum</i> . <i>Molecular Plant Pathology</i> , 2016, 17, 669-679.	4.4	6
43	Cleavage of the Babuvirus Movement Protein B4 into Functional Peptides Capable of Host Factor Conjugation is Required for Virulence. <i>Virologica Sinica</i> , 2019, 34, 295-305.	3.0	6
44	Nutraceutical intervention protects against bacterial and chemical-induced gastrotoxicity in a non-mammalian model, <i>Galleria mellonella</i> . <i>Food and Chemical Toxicology</i> , 2021, 154, 112354.	3.7	6
45	Evolution of a key enzyme of aerobic metabolism reveals Proterozoic functional subunit duplication events and an ancient origin of animals. <i>Scientific Reports</i> , 2021, 11, 15744.	3.4	6
46	Host defences of invertebrates to pathogens and parasites. , 2022, , 3-40.		6
47	Host Range of the Mikrocytid Parasite <i>Paramikrocytos canceri</i> in Decapod Crustaceans. <i>Pathogens</i> , 2019, 8, 252.	2.9	5
48	Molecular dating of the blood pigment hemocyanin provides new insight into the origin of animals. <i>Geobiology</i> , 2022, 20, 333-345.	2.6	5
49	FISHing in fungi: Visualisation of mushroom virus X in the mycelium of <i>Agaricus bisporus</i> by fluorescence in situ hybridisation. <i>Journal of Microbiological Methods</i> , 2020, 173, 105913.	1.6	4
50	Extracellular vesicle signatures and protein citrullination are modified in shore crabs (<i>Carcinus</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	4.5	4
51	The effects of lead on catecholamine metabolism in rat brain regions. <i>Biochemical Society Transactions</i> , 1981, 9, 422-423.	3.4	3
52	Recent Insights into the Diversity and Evolution of Invertebrate Hemerythrins and Extracellular Globins. <i>Sub-Cellular Biochemistry</i> , 2020, 94, 251-273.	0.0	3
53	Phenoloxidase activity and organic carbon dynamics in historic Anthrosols in Scotland, UK. <i>PLoS ONE</i> , 2021, 16, e0259205.	2.5	3
54	Invasive slipper limpets <i>Crepidula fornicata</i> are hosts for sterilizing digenean parasites. <i>Parasitology</i> , 2022, , 1-9.	1.8	3

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55	Shell disease syndromes of decapod crustaceans. <i>Environmental Microbiology</i> , 2023, 25, 931-947.	3.9	3
56	Invasive slipper limpets (<i>Crepidula fornicata</i>) act like a sink, rather than source, of <i>Vibrio</i> spp.. <i>Biological Invasions</i> , 2022, 24, 3647-3659.	2.4	2
57	Meta-analytic assessment of physiological markers for decapod crustacean welfare. <i>Fish and Fisheries</i> , 2024, 25, 134-150.	5.3	2
58	Infection of Norway lobster (<i>Nephrops norvegicus</i>) by the parasite <i>Hematodinium</i> sp.: insights from 30 years of field observations. <i>Royal Society Open Science</i> , 2024, 11, .	2.5	1
59	Antioxidant status and performance of <i>Macrobrachium rosenbergii</i> juveniles fed diets containing non-nutritive <i>Aloysia triphylla</i> essential oil. <i>Aquaculture International</i> , 0, , .	2.2	0