Kirsten Benkendorff

List of Publications by Year
in descending order

124	3,518	117453	174990
papers	citations	34 h-index	52 g-index

126	126	126	3582
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stress and immune responses in abalone: Limitations in current knowledge and investigative methods based on other models. Fish and Shellfish Immunology, 2007, 22, 363-379.	1.6	176
2	In vitro cytotoxicity evaluation of some substituted isatin derivatives. Bioorganic and Medicinal Chemistry, 2007, 15, 931-938.	1.4	164
3	Synergistic impacts of heat shock and spawning on the physiology and immune health ofCrassostrea gigas: an explanation for summer mortality in Pacific oysters. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R2353-R2362.	0.9	115
4	Synergistic effects associated with climate change and the development of rocky shore molluscs. Global Change Biology, 2005, 11, 515-522.	4.2	112
5	Chemical Defense in the Egg Masses of Benthic Invertebrates: An Assessment of Antibacterial Activity in 39 Mollusks and 4 Polychaetes. Journal of Invertebrate Pathology, 2001, 78, 109-118.	1.5	105
6	Molluscan biological and chemical diversity: secondary metabolites and medicinal resources produced by marine molluscs. Biological Reviews, 2010, 85, 757-775.	4.7	105
7	Free fatty acids and sterols in the benthic spawn of aquatic molluscs, and their associated antimicrobial properties. Journal of Experimental Marine Biology and Ecology, 2005, 316, 29-44.	0.7	102
8	Influence of elevated temperatures on the immune response of abalone, Haliotis rubra. Fish and Shellfish Immunology, 2012, 32, 732-740.	1.6	79
9	Ontogeny and water temperature influences the antiviral response of the Pacific oyster, Crassostrea gigas. Fish and Shellfish Immunology, 2014, 36, 151-157.	1.6	74
10	Effects of micro and macroalgal diet supplementations on growth and immunity of greenlip abalone, Haliotis laevigata. Aquaculture, 2011, 320, 91-98.	1.7	64
11	Title is missing!. Journal of Chemical Ecology, 2000, 26, 1037-1050.	0.9	59
12	The risk of neonicotinoid exposure to shrimp aquaculture. Chemosphere, 2019, 217, 329-348.	4.2	56
13	Indole Derivatives from the Egg Masses of Muricid Molluscs. Molecules, 2001, 6, 70-78.	1.7	55
14	Effects of severe heat stress on immune function, biochemistry and histopathology in farmed Australian abalone (hybrid Haliotis laevigataÃ—Haliotis rubra). Aquaculture, 2014, 432, 26-37.	1.7	55
15	Acetylated Triterpene Glycosides and Their Biological Activity from Holothuroidea Reported in the Past Six Decades. Marine Drugs, 2016, 14, 147.	2.2	55
16	Responses of common SE Australian herbivores to three suspected invasive Caulerpa spp.. Marine Biology, 2005, 146, 859-868.	0.7	54
17	Are the Traditional Medical Uses of Muricidae Molluscs Substantiated by Their Pharmacological Properties and Bioactive Compounds?. Marine Drugs, 2015, 13, 5237-5275.	2.2	53
18	Monthly variation of condition index, energy reserves and antibacterial activity in Pacific oysters, Crassostrea gigas, in Stansbury (South Australia). Aquaculture, 2009, 286, 64-71.	1.7	52

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19	Correlation between Fatty Acid Profile and Anti-Inflammatory Activity in Common Australian Seafood by-Products. Marine Drugs, 2019, 17, 155.	2.2	52
20	Ocean Warming and CO2-Induced Acidification Impact the Lipid Content of a Marine Predatory Gastropod. Marine Drugs, 2015, 13, 6019-6037.	2.2	51
21	Review of anti-inflammatory, immune-modulatory and wound healing properties of molluscs. Journal of Ethnopharmacology, 2018, 210, 156-178.	2.0	51
22	Natural Product Research in the Australian Marine Invertebrate Dicathais orbita. Marine Drugs, 2013, 11, 1370-1398.	2.2	47
23	Mass Spectrometry Imaging on Porous Silicon: Investigating the Distribution of Bioactives in Marine Mollusc Tissues. Analytical Chemistry, 2012, 84, 8996-9001.	3.2	46
24	6-Bromoisatin Found in Muricid Mollusc Extracts Inhibits Colon Cancer Cell Proliferation and Induces Apoptosis, Preventing Early Stage Tumor Formation in a Colorectal Cancer Rodent Model. Marine Drugs, 2014, 12, 17-35.	2.2	44
25	The impact of diet on the growth and proximate composition of juvenile whelks, Dicathais orbita (Gastropoda: Mollusca). Aquaculture, 2008, 276, 162-170.	1.7	41
26	Sex-Specific Tyrian Purple Genesis: Precursor and Pigment Distribution in the Reproductive System of the Marine Mollusc, Dicathais orbita. Journal of Chemical Ecology, 2008, 34, 44-56.	0.9	40
27	Marine Compounds Selectively Induce Apoptosis in Female Reproductive Cancer Cells but Not in Primary-Derived Human Reproductive Granulosa Cells. Marine Drugs, 2012, 10, 64-83.	2.2	40
28	Purified Brominated Indole Derivatives from Dicathais orbita Induce Apoptosis and Cell Cycle Arrest in Colorectal Cancer Cell Lines. Marine Drugs, 2013, 11, 3802-3822.	2.2	40
29	Marine Snails and Slugs: a Great Place To Look for Antiviral Drugs. Journal of Virology, 2015, 89, 8114-8118.	1.5	40
30	Investigation of nutritional properties of three species of marine turban snails for human consumption. Food Science and Nutrition, 2017, 5, 14-30.	1.5	40
31	Variation in the antiviral and antibacterial activity of abalone Haliotis laevigata, H. rubra and their hybrid in South Australia. Aquaculture, 2011, 315, 242-249.	1.7	39
32	Habitat associated differences in temperate sponge assemblages:. Journal of Experimental Marine Biology and Ecology, 1997, 213, 199-213.	0.7	38
33	Effect of movement stress on immune function in farmed Australian abalone (hybrid Haliotis laevigata) Tj ETQq1 1 0.784314 rgBT /Ov	1.7	38
34	Ocean acidification and warming impacts the nutritional properties of the predatory whelk, Dicathais orbita. Journal of Experimental Marine Biology and Ecology, 2017, 493, 7-13.	0.7	38
35	Arbuscular mycorrhizal fungi: effects on plant terpenoid accumulation. Plant Biology, 2016, 18, 552-562.	1.8	37
36	Characterisation of the slime gland secretion from the peripatus, Euperipatoides kanangrensis (Onychophora: Peripatopsidae). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1999, 124, 457-465.	0.7	36

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37	In vitro antiviral activity against herpes simplex virus in the abalone Haliotis laevigata. Journal of General Virology, 2011, 92, 627-637.	1.3	35
38	Spawning-dependent stress responses in pacific oysters Crassostrea gigas: A simulated bacterial challenge in oysters. Aquaculture, 2009, 293, 164-171.	1.7	34
39	Anti-Inflammatory Activity and Structure-Activity Relationships of Brominated Indoles from a Marine Mollusc. Marine Drugs, 2017, 15, 133.	2.2	34
40	Spawning-dependent stress response to food deprivation in Pacific oyster Crassostrea gigas. Aquaculture, 2009, 286, 309-317.	1.7	32
41	Anti-viral gene induction is absent upon secondary challenge with double-stranded RNA in the Pacific oyster, Crassostrea gigas. Fish and Shellfish Immunology, 2014, 39, 492-497.	1.6	32
42	Enhanced acute apoptotic response to azoxymethane-induced DNA damage in the rodent colonic epithelium by Tyrian purple precursors: A potential colorectal cancer chemopreventative. Cancer Biology and Therapy, 2010, 9, 371-379.	1.5	31
43	Butterfly communities in South Australian urban reserves: Estimating abundance and diversity using the Pollard walk. Austral Ecology, 2006, 31, 282-290.	0.7	29
44	Uptake, depuration and sublethal effects of the neonicotinoid, imidacloprid, exposure in Sydney rock oysters. Chemosphere, 2019, 230, 1-13.	4.2	29
45	Bioactivity of theMurexHomeopathic Remedy and of Extracts from an Australian Muricid Mollusc against Human Cancer Cells. Evidence-based Complementary and Alternative Medicine, 2011, 2011, 1-12.	0.5	28
46	Lipid-enriched diets reduce the impacts of thermal stress in corals. Marine Ecology - Progress Series, 2017, 573, 129-141.	0.9	28
47	Identifying hotspots of molluscan species richness on rocky intertidal reefs. Biodiversity and Conservation, 2002, 11, 1959-1973.	1.2	26
48	Evidence that the major hemolymph protein of the Pacific oyster, Crassostrea gigas, has antiviral activity against herpesviruses. Antiviral Research, 2014, 110, 168-174.	1.9	26
49	The neonicotinoid insecticide imidacloprid, but not salinity, impacts the immune system of Sydney rock oyster, Saccostrea glomerata. Science of the Total Environment, 2020, 742, 140538.	3.9	26
50	A Quantitative Survey of Mycosporine-Like Amino Acids (MAAS) in Intertidal Egg Masses from Temperate Rocky Shores. Journal of Chemical Ecology, 2005, 31, 2417-2438.	0.9	25
51	Imidacloprid and formulated product impacts the fatty acids and enzymatic activities in tissues of Sydney rock oysters, Saccostrea glomerata. Marine Environmental Research, 2019, 151, 104765.	1.1	25
52	The Role Of Surface Fouling In The Development Of Encapsulated Gastropod Embryos. Journal of Molluscan Studies, 2005, 71, 75-83.	0.4	24
53	Acute toxicity, accumulation and sublethal effects of four neonicotinoids on juvenile Black Tiger Shrimp (Penaeus monodon). Chemosphere, 2021, 275, 129918.	4.2	24
54	Mass spectrometry imaging reveals new biological roles for choline esters and Tyrian purple precursors in muricid molluscs. Scientific Reports, 2015, 5, 13408.	1.6	23

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55	Assessment of metabolic and immune changes in postspawning Pacific oyster Crassostrea gigas: identification of a critical period of vulnerability after spawning. Aquaculture Research, 2010, 41, e155-e165.	0.9	21
56	Is relative abundance a good indicator of population size? Evidence from fragmented populations of a specialist butterfly (Lepidoptera: Lycaenidae). Population Ecology, 2008, 50, 17-23.	0.7	20
57	A preliminary investigation of diversity, abundance, and distributional patterns of chitons in intertidal boulder fields of differing rock type in South Australia. Molluscan Research, 2013, 33, 24-33.	0.2	20
58	The Role of Spongia sp. in the Discovery of Marine Lead Compounds. Marine Drugs, 2016, 14, 139.	2.2	19
59	Ocean warming and acidification affect the nutritional quality of the commercially-harvested turbinid snail Turbo militaris. Marine Environmental Research, 2018, 141, 100-108.	1.1	18
60	Impact of imidacloprid on the nutritional quality of adult black tiger shrimp (Penaeus monodon). Ecotoxicology and Environmental Safety, 2020, 198, 110682.	2.9	18
61	The microbiome of diabetic foot ulcers: a comparison of swab and tissue biopsy wound sampling techniques using 16S rRNA gene sequencing. BMC Microbiology, 2020, 20, 163.	1.3	18
62	Multiple measures are necessary to assess rarity in macro-molluscs: a case study from southeastern Australia. Biodiversity and Conservation, 2008, 17, 2455-2478.	1.2	17
63	Climate change does not affect the seafood quality of a commonly targeted fish. Global Change Biology, 2019, 25, 699-707.	4.2	17
64	Gastropod egg mass deposition on a temperate, wave-exposed coastline in New South Wales, Australia: implications for intertidal conservation. Aquatic Conservation: Marine and Freshwater Ecosystems, 2004, 14, 263-280.	0.9	16
65	2,4,5-Tribromo-1H-Imidazole in the Egg Masses of three Muricid Molluscs. Natural Product Research, 2004, 18, 427-431.	1.0	16
66	Brominated indoles from a marine mollusc inhibit inflammation in a murine model of acute lung injury. PLoS ONE, 2017, 12, e0186904.	1.1	16
67	Effects of oral exposure to inorganic mercury on the feeding behaviour and biochemical markers in yellowfin bream (Acanthopagrus australis). Marine Environmental Research, 2018, 134, 1-15.	1.1	16
68	Lethal and sub-lethal effects of environmentally relevant levels of imidacloprid pesticide to Eastern School Prawn, Metapenaeus macleayi. Science of the Total Environment, 2020, 742, 140449.	3.9	16
69	Impacts of Neonicotinoids on Molluscs: What We Know and What We Need to Know. Toxics, 2021, 9, 21.	1.6	16
70	Immunological changes in response to herpesvirus infection in abalone Haliotis laevigata and Haliotis rubra hybrids. Fish and Shellfish Immunology, 2013, 34, 688-691.	1.6	15
71	Combined Effects of Muricid Extract and 5-Fluorouracil on Intestinal Toxicity in Rats. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-9.	0.5	15
72	Thermal tolerance and preference of exploited turbinid snails near their range limit in a global warming hotspot. Journal of Thermal Biology, 2017, 64, 100-108.	1.1	15

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73	Metabolite mapping by consecutive nanostructure and silverâ€assisted mass spectrometry imaging on tissue sections. Rapid Communications in Mass Spectrometry, 2017, 31, 991-1000.	0.7	15
74	Contemporary habitat loss reduces genetic diversity in an ecologically specialized butterfly. Journal of Biogeography, 2010, 37, 1277-1287.	1.4	14
75	Associations of benthic fauna with different rock types, and evidence of changing effects during succession. Marine Ecology - Progress Series, 2014, 505, 131-143.	0.9	14
76	The nutritional and sensory quality of seafood in a changing climate. Marine Environmental Research, 2022, 176, 105590.	1.1	14
77	Supercritical CO2 extraction of bioactive Tyrian purple precursors from the hypobranchial gland of a marine gastropod. Journal of Supercritical Fluids, 2014, 94, 1-7.	1.6	13
78	Characterization of Bacterial Communities Associated with the Tyrian Purple Producing Gland in a Marine Gastropod. PLoS ONE, 2015, 10, e0140725.	1.1	13
79	Volatile and bioactive compounds in opercula from Muricidae molluscs supports their use in ceremonial incense and traditional medicines. Scientific Reports, 2017, 7, 17404.	1.6	13
80	Resilience of a harvested gastropod, Turbo militaris, to marine heatwaves. Marine Environmental Research, 2019, 151, 104769.	1.1	13
81	Mapping insoluble indole metabolites in the gastrointestinal environment of a murine colorectal cancer model using desorption/ionisation on porous silicon imaging. Scientific Reports, 2019, 9, 12342.	1.6	13
82	Rainforest expansion reduces understorey plant diversity and density in open forest of eastern Australia. Austral Ecology, 2020, 45, 557-571.	0.7	13
83	Histomorphology of the hypobranchial gland in Dicathais orbita (Gmelin, 1791) (Neogastropoda:) Tj ETQq1 1 0.784314 rgBT /Overloc	0.4	12
84	Gastrointestinal and Hepatotoxicity Assessment of an Anticancer Extract from Muricid Molluscs. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-12.	0.5	12
85	Extraction and Quantification of Bioactive Tyrian Purple Precursors: A Comparative and Validation Study from the Hypobranchial Gland of a Muricid Dicathais orbita. Molecules, 2016, 21, 1672.	1.7	12
86	Assessment of acetylcholinesterase, catalase, and glutathione S-transferase as biomarkers for imidacloprid exposure in penaeid shrimp. Aquatic Toxicology, 2022, 242, 106050.	1.9	12
87	Observations on the production of purple pigments in the egg capsules, hypobranchial and reproductive glands from seven species of Muricidae (Gastropoda: Mollusca). Invertebrate Reproduction and Development, 2004, 46, 93-102.	0.3	11
88	Solvent Separating Secondary Metabolites Directly from Biosynthetic Tissue for Surface-Assisted Laser Desorption Ionisation Mass Spectrometry. Marine Drugs, 2015, 13, 1410-1431.	2.2	11
89	Pesticide occurrence in an agriculturally intensive and ecologically important coastal aquatic system in Australia. Marine Pollution Bulletin, 2022, 180, 113675.	2.3	11
90	Application of anaesthetics for sex identification and bioactive compound recovery from wild Dicathais orbita. Journal of Experimental Marine Biology and Ecology, 2009, 380, 53-60.	0.7	10

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91	Simultaneous Assessment of the Efficacy and Toxicity of Marine Molluscâ€“Derived Brominated Indoles in an In Vivo Model for Early Stage Colon Cancer. Integrative Cancer Therapies, 2018, 17, 248-262.	0.8	10
92	Resilience to the interactive effects of climate change and discard stress in the commercially important blue swimmer crab (Portunus armatus). Marine Environmental Research, 2020, 159, 105009.	1.1	10
93	Molluscan Compounds Provide Drug Leads for the Treatment and Prevention of Respiratory Disease. Marine Drugs, 2020, 18, 570.	2.2	10
94	Suppressive subtractive hybridisation transcriptomics provides a novel insight into the functional role of the hypobranchial gland in a marine mollusc. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2013, 8, 111-122.	0.4	9
95	Marine heatwaves have minimal influence on the quality of adult Sydney rock oyster flesh. Science of the Total Environment, 2021, 795, 148846.	3.9	9
96	Ingestion of inorganic mercury by juvenile black tiger prawns (Penaeus monodon) alters biochemical markers. Ecotoxicology, 2018, 27, 1225-1236.	1.1	8
97	Effect of cooking on nutrient composition and anticancer indoles of the marine whelk Dicathais orbita â€“ Can it be another high-value seafood product?. Food Chemistry, 2018, 266, 38-46.	4.2	8
98	No room to move: bat response to rainforest expansion into long-unburnt eucalypt forest. Pacific Conservation Biology, 2021, 27, 13.	0.5	8
99	An in vitro highâ€throughput assay for screening reproductive and toxic effects of anticancer compounds. Biotechnology and Applied Biochemistry, 2014, 61, 582-592.	1.4	7
100	Behavioural and brain biomarker responses in yellowfin bream (Acanthopagrus australis) after inorganic mercury ingestion. Marine Environmental Research, 2019, 144, 62-71.	1.1	7
101	A review of the biology of the genusIsognomon(Bivalvia; Pteriidae) with a discussion on shellfish reef restoration potential ofIsognomon ephippium. Molluscan Research, 2020, 40, 286-307.	0.2	7
102	Histopathology and haemolymph biochemistry following anaesthesia and movement in farmed Australian abalone (Haliotis rubraÃ—Haliotis laevigata). Aquaculture, 2014, 422-423, 202-210.	1.7	6
103	Indole-Producing Bacteria from the Biosynthetic Organs of a Muricid Mollusc Could Contribute to Tyrian Purple Production. Journal of Shellfish Research, 2015, 34, 443-454.	0.3	6
104	Transcriptome of the Australian Mollusc Dicathais orbita Provides Insights into the Biosynthesis of Indoles and Choline Esters. Marine Drugs, 2016, 14, 135.	2.2	6
105	Invading rain forest pioneers initiate positive fire suppression feedbacks that reinforce shifts from open to closed forest in eastern Australia. Journal of Vegetation Science, 2021, 32, .	1.1	6
106	Histochemical correlations between egg capsule laminae and the female gonoduct reveal the process of capsule formation in the Muricidae (Neogastropoda: Mollusca). Invertebrate Reproduction and Development, 2008, 52, 81-92.	0.3	5
107	Aquaculture and the production of pharmaceuticals and nutraceuticals. , 2009, , 866-891.		5
108	Oogenesis and ultrastructure of the ovary inNeotrigonia margaritacea(Lamarck 1804) (Bivalvia,) Tj ETQq0 0 0 rgBT /Overlock 10	0.3	5

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109	Potential conservation benefits and problems associated with bioprospecting in the marine environment. , 2002, , 90-100.		5
110	Characterisation of the physical and chemical properties influencing bacterial epibiont communities on benthic gelatinous egg masses of the pulmonate Siphonaria diemenensis. Journal of Experimental Marine Biology and Ecology, 2012, 432-433, 138-147.	0.7	4
111	Temporal variation in condition index and meat quality of Lunella undulata (Turbinidae), in relation to the reproductive cycle. Molluscan Research, 2019, 39, 122-139.	0.2	4
112	Assemblages on limestone and siltstone boulders diverge over six years in a primary-succession transplant experiment. Marine Ecology - Progress Series, 2018, 604, 21-32.	0.9	4
113	Mollusc-Derived Brominated Indoles for the Selective Inhibition of Cyclooxygenase: A Computational Expedition. Molecules, 2021, 26, 6538.	1.7	4
114	Manganese uptake and partitioning between the tissue of the anemone host Exaiptasia pallida and Symbiodinium spp., including assessment of stress and recovery. Chemosphere, 2022, 295, 133895.	4.2	4
115	Water quality and the health of remnant leaf oyster (Isognomon ephippium) populations in four Australian estuaries. Science of the Total Environment, 2022, 826, 154061.	3.9	4
116	Histomorphology of the female pallial gonoduct in Dicathais orbita (Neogastropoda,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T 138-150.	0.3	3
117	Growth, settlement and survival ofDicathais orbita(Neogastropoda, Mollusca) larvae in response to temperature, diet and settlement cues. Aquaculture Research, 2015, 46, 1455-1468.	0.9	3
118	Molluscan resources: their past, present and future value. , 1999, , 316-322.		3
119	Rocks of different mineralogy show different temperature characteristics: implications for biodiversity on rocky seashores. PeerJ, 2021, 9, e10712.	0.9	2
120	The first observations ofIschnochiton(Mollusca, Polyplacophora) movement behaviour, with comparison between habitats differing in complexity. PeerJ, 2017, 5, e4180.	0.9	2
121	Ocean Warming and Heat Stress Impact Molecules of Keystone Significance in a Predatory Marine Gastropod. Frontiers in Marine Science, 0, 9, .	1.2	2
122	Where three snail species attach while emersed in relation to heterogenous substrate temperatures underneath intertidal boulders. PeerJ, 2021, 9, e11675.	0.9	1
123	Bromoperoxidase Producing Bacillus spp. Isolated from the Hypobranchial Glands of A Muricid Mollusc Are Capable of Tyrian Purple Precursor Biogenesis. Marine Drugs, 2019, 17, 264.	2.2	0
124	Lack of general associations between intertidal assemblages and rock hardness. Austral Ecology, 2021, 46, 111-125.	0.7	0