Jan M Strugnell

List of Publications by Year
in descending order

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106 papers	5,363 citations	172207 29 h-index	95083 68 g-index
112 all docs	112 docs citations	112 times ranked	8698 citing authors

#	Article	IF	Citations
1	Development of an STR panel for a non-native population of an endangered species. Molecular Biology Reports, 2022, 49, 839-845.	1.0	1
2	Non-invasive DNA collection for parentage analysis for bivalves: A case study from the silver-lipped pearl oyster (Pinctada maxima). Aquaculture, 2022, 552, 738036.	1.7	1
3	Is the Southern Ocean ecosystem primed for change or at the cliff edge?. Global Change Biology, 2022, 28, 4493-4494.	4.2	3
4	Genetic analysis of hog deer (Axis porcinus) in Victoria, Australia, and its applications to invasive species and game management. European Journal of Wildlife Research, 2022, 68, .	0.7	3
5	Diel Rhythm and Thermal Independence of Metabolic Rate in a Benthic Shark. Journal of Biological Rhythms, 2022, 37, 484-497.	1.4	3
6	ampir: an R package for fast genome-wide prediction of antimicrobial peptides. Bioinformatics, 2021, 36, 5262-5263.	1.8	19
7	Global drivers of recent diversification in a marine species complex. Molecular Ecology, 2021, 30, 1223-1236.	2.0	7
8	Climatic change drives dynamic sourceâ€“sink relationships in marine species with high dispersal potential. Ecology and Evolution, 2021, 11, 2535-2550.	0.8	6
9	Population genomics of the Eastern Rock Lobster,Sagmariasus verreauxi, during spawning stock recovery from over-exploitation. ICES Journal of Marine Science, 2021, 78, 2448-2459.	1.2	2
10	Development and validation of a SNP-based genotyping tool for pedigree establishment in Australian greenlip abalone Haliotis laevigata Donovan, 1808. Aquaculture Reports, 2021, 20, 100746.	0.7	3
11	Cephalopod fauna of the Pacific Southern Ocean using Antarctic toothfish (Dissostichus mawsoni) as biological samplers and fisheries bycatch specimens. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 174, 103571.	0.6	9
12	Long distance (>20 km) downstream detection of endangered stream frogs suggests an important role for eDNA in surveying for remnant amphibian populations. PeerJ, 2021, 9, e12013.	0.9	16
13	Evolutionary innovations in Antarctic brittle stars linked to glacial refugia. Ecology and Evolution, 2021, 11, 17428-17446.	0.8	3
14	Can environmental DNA be used to detect first arrivals of the cane toad, Rhinella marina, into novel locations?. Environmental DNA, 2020, 2, 635-646.	3.1	20
15	Enhancing tropical conservation and ecology research with aquatic environmental DNA methods: an introduction for nonâ€environmental DNA specialists. Animal Conservation, 2020, 23, 632-645.	1.5	34
16	Detecting glacial refugia in the Southern Ocean. Ecography, 2020, 43, 1639-1656.	2.1	23
17	Quantitative Proteomic Analysis of the Slime and Ventral Mantle Glands of the Striped Pyjama Squid (Sepioloidea lineolata). Journal of Proteome Research, 2020, 19, 1491-1501.	1.8	2
18	A draft genome sequence of the elusive giant squid, Architeuthis dux. GigaScience, 2020, 9, .	3.3	37

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19	Gene expression differences between abalone that are susceptible and resilient to a simulated heat wave event. Aquaculture, 2020, 526, 735317.	1.7	7
20	The shell matrix and microstructure of the Ramâ€™s Horn squid: Molecular and structural characterization. Journal of Structural Biology, 2020, 211, 107507.	1.3	17
21	Adaptive venom evolution and toxicity in octopods is driven by extensive novel gene formation, expansion, and loss. GigaScience, 2020, 9, .	3.3	15
22	Genomic signatures in the coral holobiont reveal host adaptations driven by Holocene climate change and reef specific symbionts. Science Advances, 2020, 6, .	4.7	44
23	A biogeographic framework of octopod species diversification: the role of the Isthmus of Panama. PeerJ, 2020, 8, e8691.	0.9	20
24	Molecular techniques and their limitations shape our view of the holobiont. Zoology, 2019, 137, 125695.	0.6	5
25	Advancing our understanding of the connectivity, evolution and management of marine lobsters through genetics. Reviews in Fish Biology and Fisheries, 2019, 29, 669-687.	2.4	5
26	Widespread hybridization in the introduced hog deer population of Victoria, Australia, and its implications for conservation. Ecology and Evolution, 2019, 9, 10828-10842.	0.8	14
27	Coupled Genomic Evolutionary Histories as Signatures of Organismal Innovations in Cephalopods. BioEssays, 2019, 41, 1900073.	1.2	12
28	Mitochondrial and nuclear genetic analyses of the tropical black-lip rock oyster (Saccostrea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T Genomics, 2019, 20, 711.	1.2	11
29	Distribution of Palinuridae and Scyllaridae phyllosoma larvae within the East Australian Current: a climate change hot spot. Marine and Freshwater Research, 2019, 70, 1020.	0.7	4
30	The Future of Aquatic Protein: Implications for Protein Sources in Aquaculture Diets. One Earth, 2019, 1, 316-329.	3.6	433
31	Best Foot Forward: Nanopore Long Reads, Hybrid Meta-Assembly, and Haplotig Purging Optimizes the First Genome Assembly for the Southern Hemisphere Blacklip Abalone (Haliotis rubra). Frontiers in Genetics, 2019, 10, 889.	1.1	25
32	Comparative Proteomic Analysis of Slime from the Striped Pyjama Squid, Sepioloidea lineolata, and the Southern Bottletail Squid, Sepiadarium austrinum (Cephalopoda: Sepiadariidae). Journal of Proteome Research, 2019, 18, 890-899.	1.8	4
33	The evolution and origin of tetrodotoxin acquisition in the blue-ringed octopus (genus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.9	18
34	Oceanographic processes shape genetic signatures of planktonic cephalopod paralarvae in two upwelling regions. Progress in Oceanography, 2019, 170, 11-27.	1.5	34
35	Managing consequences of climateâ€driven species redistribution requires integration of ecology, conservation and social science. Biological Reviews, 2018, 93, 284-305.	4.7	154
36	Cross-disciplinarity in the advance of Antarctic ecosystem research. Marine Genomics, 2018, 37, 1-17.	0.4	70

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37	Dating Antarctic ice sheet collapse: Proposing a molecular genetic approach. Quaternary Science Reviews, 2018, 179, 153-157.	1.4	11
38	Temporal genetic patterns of diversity and structure evidence chaotic genetic patchiness in a spiny lobster. Molecular Ecology, 2018, 27, 54-65.	2.0	21
39	Outlier SNPs detect weak regional structure against a background of genetic homogeneity in the Eastern Rock Lobster, Sagmariasus verreauxi. Marine Biology, 2018, 165, 1.	0.7	20
40	Small copepods could channel missing carbon through metazoan predation. Ecology and Evolution, 2018, 8, 10868-10878.	0.8	9
41	Shotgun Proteomics Analysis of Saliva and Salivary Gland Tissue from the Common Octopus Octopus vulgaris. Journal of Proteome Research, 2018, 17, 3866-3876.	1.8	15
42	A mitochondrial phylogeny of the family Onychoteuthidae (Cephalopoda: Oegopsida). Molecular Phylogenetics and Evolution, 2018, 128, 88-97.	1.2	18
43	Population genetic signatures of a climate change driven marine range extension. Scientific Reports, 2018, 8, 9558.	1.6	31
44	A new pygmy squid, Idiosepius hallami n. sp. (Cephalopoda: Idiosepiidae) from eastern Australia and elevation of the southern endemic â€˜notoidesâ€™ clade to a new genus, Xipholeptos n. gen.. Zootaxa, 2018, 4369, 451.	0.2	2
45	De novo transcriptome assembly and functional annotation of the southern rock lobster (Jasus) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	5
46	Genus-level phylogeny of cephalopods using molecular markers: current status and problematic areas. PeerJ, 2018, 6, e4331.	0.9	39
47	Whole mitochondrial genome of the Ramâ€™s Horn Squid shines light on the phylogenetic position of the monotypic order Spirulida (Haeckel, 1896). Molecular Phylogenetics and Evolution, 2017, 109, 296-301.	1.2	30
48	Toxicity in Cephalopods. Toxinology, 2017, , 125-143.	0.2	5
49	Epipodial Tentacle Gene Expression and Predetermined Resilience to Summer Mortality in the Commercially Important Greenlip Abalone, Haliotis laevigata. Marine Biotechnology, 2017, 19, 191-205.	1.1	22
50	Biodiversity redistribution under climate change: Impacts on ecosystems and human well-being. Science, 2017, 355, .	6.0	2,026
51	Closely related octopus species show different spatial genetic structures in response to the Antarctic seascape. Ecology and Evolution, 2017, 7, 8087-8099.	0.8	20
52	Genetic evidence extends the known distribution of Octopus insularis to the mid-Atlantic islands Ascension and St Helena. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 753-758.	0.4	25
53	The effect of commercial, natural and grape seed extract supplemented diets on gene expression signatures and survival of greenlip abalone (Haliotis laevigata) during heat stress. Aquaculture, 2017, 479, 798-807.	1.7	13
54	Efficiency of ddRAD target enriched sequencing across spiny rock lobster species (Palinuridae: Jasus). Scientific Reports, 2017, 7, 6781.	1.6	13

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55	The complete mitochondrial genome of Axis porcinus (Mammalia: Cervidae) from Victoria, Australia, using MiSeq sequencing. Mitochondrial DNA Part B: Resources, 2017, 2, 453-454.	0.2	2
56	Morphological assessment of the Octopus vulgaris species complex evaluated in light of molecularâ€based phylogenetic inferences. Zoologica Scripta, 2017, 46, 275-288.	0.7	81
57	You Are What You Eat: A Genomic Analysis of the Gut Microbiome of Captive and Wild Octopus vulgaris Paralarvae and Their Zooplankton Prey. Frontiers in Physiology, 2017, 8, 362.	1.3	27
58	Kudos for female Antarctic researchers. Nature, 2016, 536, 148-148.	13.7	5
59	A combined proteomic and transcriptomic analysis of slime secreted by the southern bottletail squid, Sepiadarium austrinum (Cephalopoda). Journal of Proteomics, 2016, 148, 170-182.	1.2	14
60	Combined Transcriptomic and Proteomic Analysis of the Posterior Salivary Gland from the Southern Blue-Ringed Octopus and the Southern Sand Octopus. Journal of Proteome Research, 2016, 15, 3284-3297.	1.8	22
61	Outlier SNPs enable food traceability of the southern rock lobster, Jasus edwardsii. Marine Biology, 2016, 163, 1.	0.7	22
62	The complete mitochondrial genome ofHaliotis laevigata(Gastropoda: Haliotidae) using MiSeq and HiSeq sequencing. Mitochondrial DNA, 2016, 27, 437-438.	0.6	13
63	The complete mitochondrial genome of the pygmy squid,Idiosepius(Cephalopoda: Decapodiformes): the first representative from the family Idiosepiidae. Mitochondrial DNA, 2016, 27, 5-6.	0.6	4
64	Reproductive capacity of a marine species (Octopus tetricus) within a recent range extension area. Marine and Freshwater Research, 2015, 66, 999.	0.7	17
65	De Novo Characterisation of the Greenlip Abalone Transcriptome (Haliotis laevigata) with a Focus on the Heat Shock Protein 70 (HSP70) Family. Marine Biotechnology, 2015, 17, 23-32.	1.1	52
66	Genetic diversity and population structure of the threatened freshwater catfish, Tandanus tandanus, in Victoria, Australia. Conservation Genetics, 2015, 16, 317-329.	0.8	2
67	Future challenges in cephalopod research. Journal of the Marine Biological Association of the United Kingdom, 2015, 95, 999-1015.	0.4	75
68	Positive selection in octopus haemocyanin indicates functional links to temperature adaptation. BMC Evolutionary Biology, 2015, 15, 133.	3.2	6
69	Toxicity in Cephalopods. , 2015, , 1-15.		2
70	Low-coverage MiSeq next generation sequencing reveals the mitochondrial genome of the Eastern Rock Lobster,Sagmariasus verreauxi. Mitochondrial DNA, 2015, 26, 844-845.	0.6	6
71	The contribution of molecular data to our understanding of cephalopod evolution and systematics: a review. Journal of Natural History, 2015, 49, 1373-1421.	0.2	59
72	Body Size, Growth and Life Span: Implications for the Polewards Range Shift of Octopus tetricus in South-Eastern Australia. PLoS ONE, 2014, 9, e103480.	1.1	35

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73	Allopatric Speciation within a Cryptic Species Complex of Australasian Octopuses. PLoS ONE, 2014, 9, e98982.	1.1	57
74	The ink sac clouds octopod evolutionary history. Hydrobiologia, 2014, 725, 215-235.	1.0	48
75	Patterns, processes and vulnerability of Southern Ocean benthos: a decadal leap in knowledge and understanding. Marine Biology, 2013, 160, 2295-2317.	0.7	79
76	A coleoid gladius (Mollusca, Cephalopoda) from the Albian of Normandy (France): A new squid genus and species. Annales De Paleontologie, 2013, 99, 275-283.	0.1	1
77	The macro- and megabenthic fauna on the continental shelf of the eastern Amundsen Sea, Antarctica. Continental Shelf Research, 2013, 68, 80-90.	0.9	34
78	Mitochondrial genome diversity and population structure of the giant squid Architeuthis : genetics sheds new light on one of the most enigmatic marine species. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130273.	1.2	57
79	A snail's pace: A preliminary analysis of the effects of stress and genetics on movement of Haliotis. Aquaculture, 2013, 376-379, 25-35.	1.7	17
80	Amundsen Sea Mollusca from the BIOPEARL II expedition. ZooKeys, 2013, 294, 1-8.	0.5	5
81	Southern Ocean Evolution in a Global Context: A Molecular Viewpoint. From Pole To Pole, 2013, , 35-53.	0.1	3
82	Investigation of Genetic Structure between Deep and Shallow Populations of the Southern Rock Lobster, Jasus edwardsii in Tasmania, Australia. PLoS ONE, 2013, 8, e77978.	1.1	14
83	Cephalopod genomics: A plan of strategies and organization. Standards in Genomic Sciences, 2012, 7, 175-188.	1.5	53
84	Southern Ocean diversity: new paradigms from molecular ecology. Trends in Ecology and Evolution, 2012, 27, 520-528.	4.2	148
85	Persistent genetic signatures of historic climatic events in an Antarctic octopus. Molecular Ecology, 2012, 21, 2775-2787.	2.0	60
86	DNA barcoding and molecular systematics of the benthic andÂdemersal organisms of the CEAMARC survey. Polar Science, 2011, 5, 298-312.	0.5	25
87	Cryptic speciation and the circumpolarity debate: A case study on endemic Southern Ocean octopuses using the COI barcode of life. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 242-249.	0.6	117
88	What can the mitochondrial genome reveal about higher-level phylogeny of the molluscan class Cephalopoda?. Zoological Journal of the Linnean Society, 2011, 161, 573-586.	1.0	45
89	Expanded description of Opisthoteuthis hardyi based on new specimens from the Patagonian slope. Journal of the Marine Biological Association of the United Kingdom, 2010, 90, 605-611.	0.4	5
90	Co-estimation of phylogeny and divergence times of Argonautoidea using relaxed phylogenetics. Molecular Phylogenetics and Evolution, 2010, 54, 701-708.	1.2	11

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91	Poles Apart: The â€œBipolarâ€•Pteropod Species Limacina helicina Is Genetically Distinct Between the Arctic and Antarctic Oceans. PLoS ONE, 2010, 5, e9835.	1.1	65
92	Description and phylogenetic relationships of a new genus of octopus, Sasakiopus (Cephalopoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Journal of Molluscan Studies, 2010, 76, 57-66.	0.4	12
93	Molecular phylogenetic analysis of a known and a new hydrothermal vent octopod: their relationships with the genus Benthoctopus (Cephalopoda: Octopodidae). Zootaxa, 2009, 2096, 442-459.	0.2	17
94	Benthoctopus rigbyae, n. sp., A New Species of Cephalopod (Octopoda; Incirrata) from Near the Antarctic Peninsula. Malacologia, 2009, 51, 13-28.	0.2	15
95	Microsatellite loci from the endemic Southern Ocean octopusAdelieledone polymorpha(Robson,) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	4
96	A panel of microsatellite loci from two species of octopus, Pareledone turqueti (Joubin, 1905) and Pareledone charcoti (Joubin, 1905). Molecular Ecology Resources, 2009, 9, 1239-1242.	2.2	6
97	The thermohaline expressway: the Southern Ocean as a centre of origin for deepâ€sea octopuses. Cladistics, 2008, 24, 853-860.	1.5	137
98	Molecular phylogeny of coleoid cephalopods (Mollusca: Cephalopoda) inferred from three mitochondrial and six nuclear loci: a comparison of alignment, implied alignment and analysis methods. Journal of Molluscan Studies, 2007, 73, 399-410.	0.4	59
99	A new species of Pareledone (Cephalopoda: Octopodidae) from Antarctic Peninsula Waters. Polar Biology, 2007, 30, 883-893.	0.5	37
100	A barcode of life database for the Cephalopoda? Considerations and concerns. Reviews in Fish Biology and Fisheries, 2007, 17, 337-344.	2.4	40
101	Divergence time estimates for major cephalopod groups: evidence from multiple genes. Cladistics, 2006, 22, 89-96.	1.5	82
102	Redescription of the deep-sea octopod Benthoctopus normani (Massy 1907) and a description of a new species from the Northeast Atlantic. Marine Biology Research, 2006, 2, 372-387.	0.3	28
103	Molecular phylogeny of coleoid cephalopods (Mollusca: Cephalopoda) using a multigene approach; the effect of data partitioning on resolving phylogenies in a Bayesian framework. Molecular Phylogenetics and Evolution, 2005, 37, 426-441.	1.2	125
104	Neotenous origins for pelagic octopuses. Current Biology, 2004, 14, R300-R301.	1.8	34
105	Changes in tissue composition during larval development of the blacklip pearl oyster, Pinctada margaritifera (L.). Molluscan Research, 2003, 23, 179.	0.2	10
106	How useful are the recommended counts and indices in the systematics of the Octopodidae (Mollusca: Cephalopoda). Biological Journal of the Linnean Society, 0, 95, 205-218.	0.7	35