

# Peter J Prentis

## List of Publications by Year in descending order

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73  
papers

3,545  
citations

218592

26  
h-index

149623

56  
g-index

77  
all docs

77  
docs citations

77  
times ranked

5763  
citing authors

#	ARTICLE	IF	CITATIONS
1	Venoms for all occasions: The functional toxin profiles of different anatomical regions in sea anemones are related to their ecological function. <i>Molecular Ecology</i> , 2022, 31, 866-883.	2.0	21
2	Horticultural innovation by viral-induced gene regulation of carotenogenesis. <i>Horticulture Research</i> , 2022, 9, .	2.9	4
3	Fruit Fly Larval Survival in Picked and Unpicked Tomato Fruit of Differing Ripeness and Associated Gene Expression Patterns. <i>Insects</i> , 2022, 13, 451.	1.0	2
4	A disulfide-stabilised helical hairpin fold in acrorhagin I: An emerging structural motif in peptide toxins. <i>Journal of Structural Biology</i> , 2021, 213, 107692.	1.3	10
5	Tentacle Morphological Variation Coincides with Differential Expression of Toxins in Sea Anemones. <i>Toxins</i> , 2021, 13, 452.	1.5	12
6	The Tentacular Spectacular: Evolution of Regeneration in Sea Anemones. <i>Genes</i> , 2021, 12, 1072.	1.0	5
7	Gene selection for studying frugivore-plant interactions: a review and an example using Queensland fruit fly in tomato. <i>PeerJ</i> , 2021, 9, e11762.	0.9	2
8	Effect of tomato fruit cultivar and ripening stage on <i>Bactrocera tryoni</i> (Froggatt) egg and larval survival. <i>Journal of Applied Entomology</i> , 2020, 144, 797-805.	0.8	4
9	Quantitative Genetic Assessment of Female Reproductive Traits in a Domesticated Pacific White Shrimp ( <i>Penaeus vannamei</i> ) Line in China. <i>Scientific Reports</i> , 2020, 10, 7840.	1.6	6
10	The effect of diet change and insulin dysregulation on the fecal microbiome of ponies. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	4
11	Genetic parameters for growth and survival traits in a base population of Pacific white shrimp ( <i>Litopenaeus vannamei</i> ) developed from domesticated strains in China. <i>Aquaculture</i> , 2020, 523, 735148.	1.7	15
12	The genome of the sea anemone <i>Actinia equina</i> (L.): Meiotic toolkit genes and the question of sexual reproduction. <i>Marine Genomics</i> , 2020, 53, 100753.	0.4	17
13	Modulation of Placental Gene Expression in Small-for-Gestational-Age Infants. <i>Genes</i> , 2020, 11, 80.	1.0	10
14	The Rapid Regenerative Response of a Model Sea Anemone Species <i>Exaiptasia pallida</i> Is Characterised by Tissue Plasticity and Highly Coordinated Cell Communication. <i>Marine Biotechnology</i> , 2020, 22, 285-307.	1.1	12
15	Characterising Functional Venom Profiles of Anthozoans and Medusozoans within Their Ecological Context. <i>Marine Drugs</i> , 2020, 18, 202.	2.2	28
16	Structural and functional characterisation of a novel peptide from the Australian sea anemone <i>Actinia tenebrosa</i> . <i>Toxicon</i> , 2019, 168, 104-112.	0.8	11
17	The draft genome of <i>Actinia tenebrosa</i> reveals insights into toxin evolution. <i>Ecology and Evolution</i> , 2019, 9, 11314-11328.	0.8	28
18	Tools and Strategies for Long-Read Sequencing and De Novo Assembly of Plant Genomes. <i>Trends in Plant Science</i> , 2019, 24, 700-724.	4.3	80

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19	A process of convergent amplification and tissue-specific expression dominates the evolution of toxin and toxin-like genes in sea anemones. <i>Molecular Ecology</i> , 2019, 28, 2272-2289.	2.0	48
20	A molecular and morphometric assessment of the systematics of the <i>Macropus</i> complex clarifies the tempo and mode of kangaroo evolution. <i>Zoological Journal of the Linnean Society</i> , 2019, 186, 793-812.	1.0	23
21	A Versatile and Robust Serine Protease Inhibitor Scaffold from <i>Actinia tenebrosa</i> . <i>Marine Drugs</i> , 2019, 17, 701.	2.2	9
22	A non-disruptive method for obtaining DNA samples from sea anemones (Cnidaria: Anthozoa: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	0.4	0
23	Plant-Mediated Female Transcriptomic Changes Post-Mating in a Tephritid Fruit Fly, <i>Bactrocera tryoni</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 94-107.	1.1	12
24	Evidence for a Large Expansion and Subfunctionalization of Globin Genes in Sea Anemones. <i>Genome Biology and Evolution</i> , 2018, 10, 1892-1901.	1.1	8
25	A transcriptome-wide assessment of differentially expressed genes among two highly divergent, yet sympatric, lineages of the freshwater Atyid shrimp, <i>Paratya australiensis</i> . <i>Hydrobiologia</i> , 2018, 825, 189-196.	1.0	10
26	Sea Anemones: Quiet Achievers in the Field of Peptide Toxins. <i>Toxins</i> , 2018, 10, 36.	1.5	87
27	Insights into the phylogenetic and molecular evolutionary histories of <i>Fad</i> and <i>Elov</i> gene families in Actiniaria. <i>Ecology and Evolution</i> , 2018, 8, 5323-5335.	0.8	17
28	Transcriptomic investigation of wound healing and regeneration in the cnidarian <i>Calliactis polypus</i> . <i>Scientific Reports</i> , 2017, 7, 41458.	1.6	35
29	Expression patterns of two carbonic anhydrase genes, Na <sup>+</sup> /K <sup>+</sup> -ATPase and V-type H <sup>+</sup> -ATPase, in the freshwater crayfish, <i>Cherax quadricarinatus</i> , exposed to low pH and high pH. <i>Australian Journal of Zoology</i> , 2017, 65, 50.	0.6	8
30	Occasional hybridization between a native and invasive <i>Senecio</i> species in Australia is unlikely to contribute to invasive success. <i>PeerJ</i> , 2017, 5, e3630.	0.9	1
31	Insights into the innate immunome of actinarians using a comparative genomic approach. <i>BMC Genomics</i> , 2016, 17, 850.	1.2	42
32	Domestication and the storage starch biosynthesis pathway: signatures of selection from a whole sorghum genome sequencing strategy. <i>Plant Biotechnology Journal</i> , 2016, 14, 2240-2253.	4.1	38
33	Gene coevolution and regulation lock cyclic plant defence peptides to their targets. <i>New Phytologist</i> , 2016, 210, 717-730.	3.5	58
34	Comparative Analysis and Distribution of Omega-3 lcpUFA Biosynthesis Genes in Marine Molluscs. <i>PLoS ONE</i> , 2015, 10, e0136301.	1.1	29
35	Transcriptome analysis and characterisation of gill-expressed carbonic anhydrase and other key osmoregulatory genes in freshwater crayfish <i>Cherax quadricarinatus</i> . <i>Data in Brief</i> , 2015, 5, 187-193.	0.5	16
36	Expression and characterization of digestive enzyme genes from hepatopancreatic transcripts from redclaw crayfish ( <i>Cherax quadricarinatus</i> ). <i>Aquaculture Nutrition</i> , 2015, 21, 868-880.	1.1	14

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37	Comparative analysis of gill transcriptomes of two freshwater crayfish, <i>Cherax cainii</i> and <i>C. destructor</i> . <i>Marine Genomics</i> , 2015, 22, 11-13.	0.4	15
38	Analysis, characterisation and expression of gill-expressed carbonic anhydrase genes in the freshwater crayfish <i>Cherax quadricarinatus</i> . <i>Gene</i> , 2015, 564, 176-187.	1.0	26
39	Genetic Bottlenecks in Time and Space: Reconstructing Invasions from Contemporary and Historical Collections. <i>PLoS ONE</i> , 2014, 9, e106874.	1.1	16
40	The plasticity of NBS resistance genes in sorghum is driven by multiple evolutionary processes. <i>BMC Plant Biology</i> , 2014, 14, 253.	1.6	49
41	Genomic Resources Notes accepted 1 December 2013 - 31 January 2014. <i>Molecular Ecology Resources</i> , 2014, 14, 664-665.	2.2	5
42	The <i>Anadara trapezia</i> transcriptome: A resource for molluscan physiological genomics. <i>Marine Genomics</i> , 2014, 18, 113-115.	0.4	18
43	A transcriptome resource for the koala ( <i>Phascolarctos cinereus</i> ): insights into koala retrovirus transcription and sequence diversity. <i>BMC Genomics</i> , 2014, 15, 786.	1.2	49
44	Sexual selection in true fruit flies ( <i>Drosophila</i> spp.): transcriptome and experimental evidences for phytochemicals increasing male competitive ability. <i>Molecular Ecology</i> , 2014, 23, 4645-4657.	2.0	35
45	Assembly and annotation of a non-model gastropod ( <i>Nerita melanotragus</i> ) transcriptome: a comparison of De novo assemblers. <i>BMC Research Notes</i> , 2014, 7, 488.	0.6	27
46	The koala immunological toolkit: sequence identification and comparison of key markers of the koala ( <i>Phascolarctos cinereus</i> ) immune response. <i>Australian Journal of Zoology</i> , 2014, 62, 195.	0.6	15
47	Design and development of a sampling platform to study long distance seed dispersal. , 2014, , .		0
48	Molecular characterisation and expression analysis of Interferon gamma in response to natural Chlamydia infection in the koala, <i>Phascolarctos cinereus</i> . <i>Gene</i> , 2013, 527, 570-577.	1.0	28
49	Characterisation of candidate nuclear genes for species delineation in the genus <i>Cherax</i> . <i>Conservation Genetics Resources</i> , 2013, 5, 331-333.	0.4	0
50	Whole-genome sequencing reveals untapped genetic potential in Africa's indigenous cereal crop sorghum. <i>Nature Communications</i> , 2013, 4, 2320.	5.8	405
51	Allelic variation at a single gene increases food value in a drought-tolerant staple cereal. <i>Nature Communications</i> , 2013, 4, 1483.	5.8	41
52	CONVERGENCE AND DIVERGENCE DURING THE ADAPTATION TO SIMILAR ENVIRONMENTS BY AN AUSTRALIAN GROUNDSEL. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 2515-2529.	1.1	66
53	Genomic evidence for the parallel evolution of coastal forms in the <i>Senecio laetus</i> complex. <i>Molecular Ecology</i> , 2013, 22, 2941-2952.	2.0	109
54	Understanding the genetic basis of invasiveness. <i>Molecular Ecology</i> , 2013, 22, 2366-2368.	2.0	15

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55	Isolation and characterisation of novel microsatellite and mitochondrial DNA markers for the Eastern Water Dragon ( <i>Physignathus lesueurii</i> ). <i>Conservation Genetics Resources</i> , 2012, 4, 113-116.	0.4	5
56	Anthropogenic landscape change promotes asymmetric dispersal and limits regional patch occupancy in a spatially structured bird population. <i>Journal of Animal Ecology</i> , 2012, 81, 940-952.	1.3	44
57	Lack of Low Frequency Variants Masks Patterns of Non-Neutral Evolution following Domestication. <i>PLoS ONE</i> , 2011, 6, e23041.	1.1	17
58	Diversification history and hybridisation of <i>Dacrydium</i> (Podocarpaceae) in remote Oceania. <i>Australian Journal of Botany</i> , 2011, 59, 262.	0.3	27
59	Allelic variation of the $\hat{I}^2$ -, $\hat{I}^3$ - and $\hat{I}$ -kafirin genes in diverse <i>Sorghum</i> genotypes. <i>Theoretical and Applied Genetics</i> , 2010, 121, 1227-1237.	1.8	39
60	Massively parallel sequencing and analysis of expressed sequence tags in a successful invasive plant. <i>Annals of Botany</i> , 2010, 106, 1009-1017.	1.4	33
61	Characterization and multiplexing of EST-SSR primers in <i>Cynodon</i> (Poaceae) species <sup>1</sup> . <i>American Journal of Botany</i> , 2010, 97, e99-e101.	0.8	21
62	Development and characterization of microsatellite loci for <i>Khaya senegalensis</i> (Meliaceae) <sup>1</sup> . <i>American Journal of Botany</i> , 2010, 97, e111-3.	0.8	15
63	A landscape genetics approach for quantifying the relative influence of historic and contemporary habitat heterogeneity on the genetic connectivity of a rainforest bird. <i>Molecular Ecology</i> , 2009, 18, 2945-2960.	2.0	70
64	Understanding invasion history: genetic structure and diversity of two globally invasive plants and implications for their management. <i>Diversity and Distributions</i> , 2009, 15, 822-830.	1.9	57
65	Something in the way you move: dispersal pathways affect invasion success. <i>Trends in Ecology and Evolution</i> , 2009, 24, 136-144.	4.2	680
66	Biogeographic concepts define invasion biology. <i>Trends in Ecology and Evolution</i> , 2009, 24, 586-586.	4.2	29
67	Fine-scale patterns of genetic variation indicate non-equilibrium gene frequency divergence in the stream lily, <i>Helmholtzia glaberrima</i> . <i>Freshwater Biology</i> , 2008, 53, 973-980.	1.2	10
68	Phylogenetic relationships in the monocot order Commelinales, with a focus on Philydraceae This paper is one of a selection of papers published in the Special Issue on Systematics Research.. <i>Botany</i> , 2008, 86, 719-731.	0.5	22
69	Adaptive evolution in invasive species. <i>Trends in Plant Science</i> , 2008, 13, 288-294.	4.3	724
70	Micro-geographic landscape features demarcate seedling genetic structure in the stream lily, <i>Helmholtzia glaberrima</i> . <i>Aquatic Botany</i> , 2007, 87, 111-115.	0.8	3
71	Can hybridization cause local extinction: a case for demographic swamping of the Australian native <i>Senecio pinnatifolius</i> by the invasive <i>Senecio madagascariensis</i> ? <i>New Phytologist</i> , 2007, 176, 902-912.	3.5	68
72	Significance of post-germination buoyancy in <i>Helmholtzia glaberrima</i> and <i>Philydrum lanuginosum</i> (Philydraceae). <i>Australian Journal of Botany</i> , 2006, 54, 11.	0.3	8

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73	Genetic structuring of the stream lily <i>Helmholtzia glaberrima</i> (Philydraceae) within Toolona Creek, south-eastern Queensland. <i>Australian Journal of Botany</i> , 2004, 52, 201.	0.3	21