

Peter J Prentis

List of Publications by Year in descending order

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73
papers

3,545
citations

218677

26
h-index

149698

56
g-index

77
all docs

77
docs citations

77
times ranked

5763
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive evolution in invasive species. <i>Trends in Plant Science</i> , 2008, 13, 288-294.	8.8	724
2	Something in the way you move: dispersal pathways affect invasion success. <i>Trends in Ecology and Evolution</i> , 2009, 24, 136-144.	8.7	680
3	Whole-genome sequencing reveals untapped genetic potential in Africa's indigenous cereal crop sorghum. <i>Nature Communications</i> , 2013, 4, 2320.	12.8	405
4	Genomic evidence for the parallel evolution of coastal forms in the <i>Senecio laetus</i> complex. <i>Molecular Ecology</i> , 2013, 22, 2941-2952.	3.9	109
5	Sea Anemones: Quiet Achievers in the Field of Peptide Toxins. <i>Toxins</i> , 2018, 10, 36.	3.4	87
6	Tools and Strategies for Long-Read Sequencing and De Novo Assembly of Plant Genomes. <i>Trends in Plant Science</i> , 2019, 24, 700-724.	8.8	80
7	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.	3.9	70
8	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.	7.3	68
9	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.	2.3	66
10	Gene coevolution and regulation lock cyclic plant defence peptides to their targets. <i>New Phytologist</i> , 2016, 210, 717-730.	7.3	58
11	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.	4.1	57
12	The plasticity of NBS resistance genes in sorghum is driven by multiple evolutionary processes. <i>BMC Plant Biology</i> , 2014, 14, 253.	3.6	49
13	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.	2.8	49
14	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.	3.9	48
15	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.	2.8	44
16	Insights into the innate immunome of actinarians using a comparative genomic approach. <i>BMC Genomics</i> , 2016, 17, 850.	2.8	42
17	Allelic variation at a single gene increases food value in a drought-tolerant staple cereal. <i>Nature Communications</i> , 2013, 4, 1483.	12.8	41
18	Allelic variation of the β_2 -, β_3 - and β_1 -kafirin genes in diverse Sorghum genotypes. <i>Theoretical and Applied Genetics</i> , 2010, 121, 1227-1237.	3.6	39

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19	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.	8.3	38
20	Sexual selection in true fruit flies (<sc>D</sc>iptera: <sc>T</sc>ephritidae): transcriptome and experimental evidences for phytochemicals increasing male competitive ability. <i>Molecular Ecology</i> , 2014, 23, 4645-4657.	3.9	35
21	Transcriptomic investigation of wound healing and regeneration in the cnidarian <i>Calliactis polypus</i> . <i>Scientific Reports</i> , 2017, 7, 41458.	3.3	35
22	Massively parallel sequencing and analysis of expressed sequence tags in a successful invasive plant. <i>Annals of Botany</i> , 2010, 106, 1009-1017.	2.9	33
23	Biogeographic concepts define invasion biology. <i>Trends in Ecology and Evolution</i> , 2009, 24, 586-586.	8.7	29
24	Comparative Analysis and Distribution of Omega-3 lCPUFA Biosynthesis Genes in Marine Molluscs. <i>PLoS ONE</i> , 2015, 10, e0136301.	2.5	29
25	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.	2.2	28
26	The draft genome of <i>Actinia tenebrosa</i> reveals insights into toxin evolution. <i>Ecology and Evolution</i> , 2019, 9, 11314-11328.	1.9	28
27	Characterising Functional Venom Profiles of Anthozoans and Medusozoans within Their Ecological Context. <i>Marine Drugs</i> , 2020, 18, 202.	4.6	28
28	Diversification history and hybridisation of <i>Dacrydium</i> (Podocarpaceae) in remote Oceania. <i>Australian Journal of Botany</i> , 2011, 59, 262.	0.6	27
29	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.	1.4	27
30	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.	2.2	26
31	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.	2.3	23
32	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.	1.0	22
33	Characterization and multiplexing of EST-SSR primers in <i>Cynodon</i> (Poaceae) species ¹ . <i>American Journal of Botany</i> , 2010, 97, e99-e101.	1.7	21
34	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.	0.6	21
35	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.	3.9	21
36	The <i>Anadara trapezia</i> transcriptome: A resource for molluscan physiological genomics. <i>Marine Genomics</i> , 2014, 18, 113-115.	1.1	18

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37	Lack of Low Frequency Variants Masks Patterns of Non-Neutral Evolution following Domestication. PLoS ONE, 2011, 6, e23041.	2.5	17
38	Insights into the phylogenetic and molecular evolutionary histories of <i>Fad</i> and <i>Elovl</i> gene families in Actiniaria. Ecology and Evolution, 2018, 8, 5323-5335.	1.9	17
39	The genome of the sea anemone <i>Actinia equina</i> (L.): Meiotic toolkit genes and the question of sexual reproduction. Marine Genomics, 2020, 53, 100753.	1.1	17
40	Genetic Bottlenecks in Time and Space: Reconstructing Invasions from Contemporary and Historical Collections. PLoS ONE, 2014, 9, e106874.	2.5	16
41	Transcriptome analysis and characterisation of gill-expressed carbonic anhydrase and other key osmoregulatory genes in freshwater crayfish <i>Cherax quadricarinatus</i> . Data in Brief, 2015, 5, 187-193.	1.0	16
42	Development and characterization of microsatellite loci for <i>Khaya senegalensis</i> (Meliaceae). American Journal of Botany, 2010, 97, e111-3.	1.7	15
43	Understanding the genetic basis of invasiveness. Molecular Ecology, 2013, 22, 2366-2368.	3.9	15
44	The koala immunological toolkit: sequence identification and comparison of key markers of the koala (<i>Phascolarctos cinereus</i>) immune response. Australian Journal of Zoology, 2014, 62, 195.	1.0	15
45	Comparative analysis of gill transcriptomes of two freshwater crayfish, <i>Cherax cainii</i> and <i>C. destructor</i> . Marine Genomics, 2015, 22, 11-13.	1.1	15
46	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. Aquaculture, 2020, 523, 735148.	3.5	15
47	Expression and characterization of digestive enzyme genes from hepatopancreatic transcripts from redclaw crayfish (<i>Cherax quadricarinatus</i>). Aquaculture Nutrition, 2015, 21, 868-880.	2.7	14
48	Plant-Mediated Female Transcriptomic Changes Post-Mating in a Tephritid Fruit Fly, <i>Bactrocera tryoni</i> . Genome Biology and Evolution, 2018, 10, 94-107.	2.5	12
49	The Rapid Regenerative Response of a Model Sea Anemone Species <i>Exaiptasia pallida</i> Is Characterised by Tissue Plasticity and Highly Coordinated Cell Communication. Marine Biotechnology, 2020, 22, 285-307.	2.4	12
50	Tentacle Morphological Variation Coincides with Differential Expression of Toxins in Sea Anemones. Toxins, 2021, 13, 452.	3.4	12
51	Structural and functional characterisation of a novel peptide from the Australian sea anemone <i>Actinia tenebrosa</i> . Toxicon, 2019, 168, 104-112.	1.6	11
52	Fine-scale patterns of genetic variation indicate non-equilibrium gene frequency divergence in the stream lily, <i>Helmholtzia glaberrima</i> . Freshwater Biology, 2008, 53, 973-980.	2.4	10
53	A transcriptome-wide assessment of differentially expressed genes among two highly divergent, yet sympatric, lineages of the freshwater Atyid shrimp, <i>Paratya australiensis</i> . Hydrobiologia, 2018, 825, 189-196.	2.0	10
54	Modulation of Placental Gene Expression in Small-for-Gestational-Age Infants. Genes, 2020, 11, 80.	2.4	10

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55	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.	2.8	10
56	A Versatile and Robust Serine Protease Inhibitor Scaffold from <i>Actinia tenebrosa</i> . <i>Marine Drugs</i> , 2019, 17, 701.	4.6	9
57	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.	0.6	8
58	Expression patterns of two carbonic anhydrase genes, Na ⁺ /K ⁺ -ATPase and V-type H ⁺ -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.	1.0	8
59	Evidence for a Large Expansion and Subfunctionalization of Globin Genes in Sea Anemones. <i>Genome Biology and Evolution</i> , 2018, 10, 1892-1901.	2.5	8
60	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.	3.3	6
61	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.	0.8	5
62	Genomic Resources Notes accepted 1 December 2013 - 31 January 2014. <i>Molecular Ecology Resources</i> , 2014, 14, 664-665.	4.8	5
63	The Tentacular Spectacular: Evolution of Regeneration in Sea Anemones. <i>Genes</i> , 2021, 12, 1072.	2.4	5
64	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.	1.8	4
65	The effect of diet change and insulin dysregulation on the fecal microbiome of ponies. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	4
66	Horticultural innovation by viral-induced gene regulation of carotenogenesis. <i>Horticulture Research</i> , 2022, 9, .	6.3	4
67	Micro-geographic landscape features demarcate seedling genetic structure in the stream lily, <i>Helmholtzia glaberrima</i> . <i>Aquatic Botany</i> , 2007, 87, 111-115.	1.6	3
68	Gene selection for studying frugivore-plant interactions: a review and an example using Queensland fruit fly in tomato. <i>PeerJ</i> , 2021, 9, e11762.	2.0	2
69	Fruit Fly Larval Survival in Picked and Unpicked Tomato Fruit of Differing Ripeness and Associated Gene Expression Patterns. <i>Insects</i> , 2022, 13, 451.	2.2	2
70	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.	2.0	1
71	Characterisation of candidate nuclear genes for species delineation in the genus <i>Cherax</i> . <i>Conservation Genetics Resources</i> , 2013, 5, 331-333.	0.8	0
72	Design and development of a sampling platform to study long distance seed dispersal. , 2014, , .		0

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73	A non-disruptive method for obtaining DNA samples from sea anemones (Cnidaria: Anthozoa:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	10