David Owen Francis Skibinski

List of Publications by Year
in descending order

75 papers	4,490 citations	109321 35 h-index	110387 64 g-index
77 all docs	77 docs citations	77 times ranked	3646 citing authors

#	Article	IF	Citations
1	A comparison of genetic diversity levels in marine, freshwater, and anadromous fishes. Journal of Fish Biology, 1994, 44, 213-232.	1.6	866
2	Mitochondrial DNA inheritance. Nature, 1994, 368, 817-818.	27.8	256
3	Aspects of the population genetics of Mytilus (Mytilidae; Mollusca) in the British Isles. Biological Journal of the Linnean Society, 1983, 19, 137-183.	1.6	204
4	The consequences of sample pooling in proteomics: An empirical study. Electrophoresis, 2009, 30, 2967-2975.	2.4	195
5	Protein Heterozygosity, Protein Structure, and Taxonomic Differentiation. , 1992, , 73-159.		186
6	Genetic manipulation of sex ratio for the large-scale production of all-male tilapia <i>Oreochromis niloticus</i>. Canadian Journal of Fisheries and Aquatic Sciences, 1997, 54, 396-404.	1.4	168
7	Multiple Hypothesis Testing in Proteomics: A Strategy for Experimental Work. Molecular and Cellular Proteomics, 2011, 10, M110.004374.	3.8	136
8	Environmental sex determination: the effect of temperature and salinity on sex ratio in Oreochromis niloticus L.. Aquaculture, 1999, 173, 219-234.	3.5	120
9	Sex determination in the genus Oreochromis. Theoretical and Applied Genetics, 1991, 82, 144-152.	3.6	114
10	Evidence for Recombination of mtDNA in the Marine Mussel Mytilus trossulus from the Baltic. Molecular Biology and Evolution, 2003, 20, 388-392.	8.9	113
11	The â€˜YYâ€™ supermale in Oreochromis niloticus (L.) and its potential in aquaculture. Aquaculture, 1989, 78, 237-251.	3.5	106
12	An estimate of the amount of genetic variation in the common mussel Mytilus edulis. Biochemical Genetics, 1977, 15, 833-846.	1.7	90
13	Detection of damage to the mitochondrial genome in the oncocytic cells of Warthin's tumour. Journal of Pathology, 2000, 191, 274-281.	4.5	87
14	Growth performance trials of genetically male tilapia (GMT) derived from YY-males in Oreochromis niloticus L.: On station comparisons with mixed sex and sex reversed male populations. Aquaculture, 1995, 137, 313-323.	3.5	76
15	Interspecies transfer of female mitochondrial DNA is coupled with role- reversals and departure from neutrality in the mussel Mytilus trossulus. Molecular Biology and Evolution, 1999, 16, 655-665.	8.9	74
16	Multilocus DNA fingerprinting and RAPD reveal similar genetic relationships between strains of Oreochromis niloticus (Pisces: Cichlidae). Molecular Ecology, 1995, 4, 271-274.	3.9	66
17	Electrophoretic investigation of systematic relationships in the marine mussels Modiolus modiolus L., Mytilus edulis L., and Mytilus galloprovincialis Lmk. (Mytilidae; Mollusca). Biological Journal of the Linnean Society, 1980, 13, 65-73.	1.6	65
18	Historical and size-dependent genetic variation in hybrid mussel populations. Heredity, 1988, 61, 93-105.	2.6	64

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19	Hybridisations between Mytilus edulis and Mytilus galloprovincialis and performance of pure species and hybrid veliger larvae at different temperatures. Journal of Experimental Marine Biology and Ecology, 2004, 302, 177-188.	1.5	64
20	Non-linear doseâ€"response of DNA-reactive genotoxins: Recommendations for data analysis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 678, 95-100.	1.7	63
21	Restriction site mutation analysis, a proposed methodology for the detection and study of DNA base changes following mutagen exposure. Mutagenesis, 1990, 5, 209-212.	2.6	57
22	Nonneutral Evolution and Differential Mutation Rate of Gender-Associated Mitochondrial DNA Lineages in the Marine Mussel Mytilus. Genetics, 1998, 149, 1511-1526.	2.9	54
23	Localization of sterols and oxysterols in mouse brain reveals distinct spatial cholesterol metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5749-5760.	7.1	53
24	Shell Growth and Viability Differences Between the Marine Mussels Mytilus edulis (L.), Mytilus galloprovincialis (Lmk.), and Their Hybrids From Two Sympatric Populations in S.W. England. Biological Bulletin, 1993, 185, 405-416.	1.8	51
25	Transcriptional response to heat stress in the Antarctic bivalve Laternula elliptica. Journal of Experimental Marine Biology and Ecology, 2010, 391, 65-72.	1.5	50
26	The application of DNA fingerprinting in the analysis of gynogenesis in tilapia. Aquaculture, 1991, 95, 41-52.	3.5	49
27	Doubly Uniparental Inheritance Is Associated With High Polymorphism for Rearranged and Recombinant Control Region Haplotypes in Baltic Mytilus trossulus. Genetics, 2006, 174, 1081-1094.	2.9	49
28	Scottish Mytilus trossulus mussels retain ancestral mitochondrial DNA: Complete sequences of male and female mtDNA genomes. Gene, 2010, 456, 45-53.	2.2	49
29	Correlations between heterozygosity and evolutionary rate of proteins. Nature, 1982, 298, 490-492.	27.8	47
30	A genetic study of intergradation betweenMytilus edulis andMytilus galloprovincialis. Experientia, 1979, 35, 1442-1444.	1.2	46
31	Multiple paternity assessed using microsatellite markers, in green turtles Chelonia mydas (Linnaeus,) Tj ETQq1 1 0.784314 rgBT /Overlo 291, 149-160.	1.5	46
32	Evidence of selective mortality in favour of the Mytilus galloprovincialis Lmk phenotype in British mussel populations. Biological Journal of the Linnean Society, 1991, 42, 351-366.	1.6	44
33	Microsatellite marker based genetic linkage maps ofOreochromis aureusandO. niloticus(Cichlidae): extensive linkage group segment homologies revealed. Animal Genetics, 2000, 31, 214-218.	1.7	41
34	Patterns of polymorphism and gene flow of gender-associated mitochondrial DNA lineages in European mussel populations. Molecular Ecology, 1998, 7, 1041-1051.	3.9	40
35	Evolution of 2-DE protein patterns in a mussel hybrid zone. Proteomics, 2007, 7, 2111-2120.	2.2	40
36	ANALYSIS OF A NUCLEAR-DNA MARKER FOR SPECIES IDENTIFICATION OF ADULTS AND LARVAE IN THE MYTILUS EDULIS COMPLEX. Journal of Molluscan Studies, 2003, 69, 61-66.	1.2	37

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37	Sex-biased heteroplasmy and mitochondrial DNA inheritance in the musselMytilus galloprovincialis Lmk.. Current Genetics, 1996, 29, 423-426.	1.7	35
38	Effects of growth rate, cell size, motion, and elemental stoichiometry on nutrient transport kinetics. PLoS Computational Biology, 2018, 14, e1006118.	3.2	35
39	Genetic Variation Underlying Protein Expression in Eggs of the Marine Mussel Mytilus edulis. Molecular and Cellular Proteomics, 2009, 8, 132-144.	3.8	34
40	Acclimation, adaptation, traits and trade-offs in plankton functional type models: reconciling terminology for biology and modelling. Journal of Plankton Research, 2015, 37, 683-691.	1.8	32
41	Relationship between allozyme heterozygosity and rates of divergence. Genetical Research, 1981, 38, 71-92.	0.9	29
42	Mitochondrial DNA variation in Mytilus edulis L. And the padstow mussel. Journal of Experimental Marine Biology and Ecology, 1985, 92, 251-258.	1.5	26
43	Observed relationships between protein heterozygosity and protein genetic distance and comparisons with neutral expectations. Genetical Research, 1985, 45, 315-340.	0.9	25
44	Salt tolerance in natural populations of Trifolium repens L.. New Phytologist, 1988, 109, 483-490.	7.3	25
45	Disruption of doubly uniparental inheritance of mitochondrial DNA in hybrid mussels (Mytilus edulis) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	25
46	Bioenergetic analysis of human peripheral blood mononuclear cells. Clinical and Experimental Immunology, 2015, 182, 69-80.	2.6	25
47	Heteroplasmy Suggests Paternal Co-transmission of Multiple Genomes and Pervasive Reversion of Maternally into Paternally Transmitted Genomes of Mussel (Mytilus) Mitochondrial DNA. Journal of Molecular Evolution, 2003, 57, S138-S147.	1.8	23
48	An analysis of allozyme, mitochondrial DNA and morphological variation in mussel (Mytilus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Tc	1.2	21
49	Mitochondrial DNA and allozyme variation in Atlantic salmon (Salmo salar) populations in Wales. Canadian Journal of Fisheries and Aquatic Sciences, 1995, 52, 171-178.	1.4	20
50	Bayesian phylogenetics of Bryozoa. Molecular Phylogenetics and Evolution, 2009, 52, 904-910.	2.7	20
51	Proteomic Analysis of Eggs from Mytilus edulis Females Differing in Mitochondrial DNA Transmission Mode. Molecular and Cellular Proteomics, 2013, 12, 3068-3080.	3.8	20
52	Isoenzyme differences between three closely related species of Lineus (Heteronemertea). Journal of Experimental Marine Biology and Ecology, 1983, 66, 207-211.	1.5	17
53	Aspartate aminotransferase allozyme variation in a germplasm collection of the domesticated lentil (Lens culinaris). Theoretical and Applied Genetics, 1984, 68, 441-448.	3.6	17
54	Average Allozyme Heterozygosity in Vertebrates Correlates with Ka/Ks Measured in the Human-Mouse Lineage. Molecular Biology and Evolution, 2004, 21, 1753-1759.	8.9	17

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55	Identification and characterization of highly expressed proteins in sperm cells of the marine mussel <i><scp>M</scp>ytilus edulis</i>. Proteomics, 2012, 12, 1949-1956.	2.2	17
56	The evolutionary relationships between three species of mussel (Mytilus) based on anonymous DNA polymorphisms. Journal of Experimental Marine Biology and Ecology, 1996, 203, 1-10.	1.5	15
57	Laboratory hybridizations between Mytilus species and performance of pure species and hybrid veliger larvae at lowered salinity. Journal of Molluscan Studies, 2005, 71, 303-306.	1.2	15
58	Microsatellite markers from the Indian major carp species, Catla catla. Molecular Ecology Notes, 2001, 1, 115-116.	1.7	14
59	RNA-seq coupled to proteomic analysis reveals high sperm proteome variation between two closely related marine mussel species. Journal of Proteomics, 2019, 192, 169-187.	2.4	14
60	Structure-Related Differences between Cytochrome Oxidase I Proteins in a Stable Heteroplasmic Mitochondrial System. Genome Biology and Evolution, 2017, 9, 3265-3281.	2.5	12
61	A polymorphic SCAR-RAPD marker between species of tilapia (Pisces: Cichlidae). Animal Genetics, 1999, 30, 78-79.	1.7	12
62	Negatively-Marked MCQ Assessments That Reward Partial Knowledge Do Not Introduce Gender Bias Yet Increase Student Performance and Satisfaction and Reduce Anxiety. PLoS ONE, 2013, 8, e55956.	2.5	10
63	Allozyme and mtDNA divergence between Atlantic salmon populations in North Wales. Journal of Fish Biology, 1996, 48, 1023-1026.	1.6	9
64	Exploring evolution of maximum growth rates in plankton. Journal of Plankton Research, 2020, 42, 497-513.	1.8	9
65	Evidence that mitochondrial isozymes are genetically less variable than cytoplasmic isozymes. Genetical Research, 1988, 51, 121-127.	0.9	8
66	Are polymorphism and evolutionary rate of allozyme proteins limited by mutation or selection?. Heredity, 1998, 81, 692-702.	2.6	7
67	RNA-seq data from mature male gonads of marine mussels Mytilus edulis and M. galloprovincialis. Data in Brief, 2018, 21, 167-175.	1.0	7
68	Protein variation in Schilbe mystus (L.) and Eutropius niloticus (Ruppel) (Pisces siluriformes) in the Volta Basin of Ghana, West Africa. Aquaculture Research, 1988, 19, 25-37.	1.8	6
69	The Evolution of an Osmotically Inducible dps in the Genus Streptomyces. PLoS ONE, 2013, 8, e60772.	2.5	6
70	Allozymes and nDNA markers show different levels of population differentiation in the mussel MytilusÂedulis on British coasts. Hydrobiologia, 2009, 620, 25-33.	2.0	5
71	â€˜Blondâ€™: a useful new genetic marker in the tilapia, Oreochromis niloticus (L.). Aquaculture Research, 1987, 18, 159-165.	1.8	3
72	Proteomic analysis of F1 hybrids and intermediate variants in a <i>Littorina saxatilis</i> hybrid zone. Environmental Epigenetics, 2022, 68, 351-359.	1.8	3

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73	Authors' reply. Mitochondrial DNA damage and oncocytic neoplasia. Journal of Pathology, 2000, 192, 562-563.	4.5	2
74	Differential immunity as a factor influencing mussel hybrid zone structure. Marine Biology, 2019, 166, 1.	1.5	2
75	Analysis of Genotoxicity Data in a Regulatory Context. Methods in Molecular Biology, 2012, 817, 399-417.	0.9	2