

# David Owen Francis Skibinski

## List of Publications by Year in descending order

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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	Proteomic analysis of F1 hybrids and intermediate variants in a <i>Littorina saxatilis</i> hybrid zone. <i>Environmental Epigenetics</i> , 2022, 68, 351-359.	1.8	3
2	Exploring evolution of maximum growth rates in plankton. <i>Journal of Plankton Research</i> , 2020, 42, 497-513.	1.8	9
3	Localization of sterols and oxysterols in mouse brain reveals distinct spatial cholesterol metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5749-5760.	7.1	53
4	Differential immunity as a factor influencing mussel hybrid zone structure. <i>Marine Biology</i> , 2019, 166, 1.	1.5	2
5	RNA-seq coupled to proteomic analysis reveals high sperm proteome variation between two closely related marine mussel species. <i>Journal of Proteomics</i> , 2019, 192, 169-187.	2.4	14
6	RNA-seq data from mature male gonads of marine mussels <i>Mytilus edulis</i> and <i>M. galloprovincialis</i> . <i>Data in Brief</i> , 2018, 21, 167-175.	1.0	7
7	Effects of growth rate, cell size, motion, and elemental stoichiometry on nutrient transport kinetics. <i>PLoS Computational Biology</i> , 2018, 14, e1006118.	3.2	35
8	Structure-Related Differences between Cytochrome Oxidase I Proteins in a Stable Heteroplasmic Mitochondrial System. <i>Genome Biology and Evolution</i> , 2017, 9, 3265-3281.	2.5	12
9	Bioenergetic analysis of human peripheral blood mononuclear cells. <i>Clinical and Experimental Immunology</i> , 2015, 182, 69-80.	2.6	25
10	Acclimation, adaptation, traits and trade-offs in plankton functional type models: reconciling terminology for biology and modelling. <i>Journal of Plankton Research</i> , 2015, 37, 683-691.	1.8	32
11	Proteomic Analysis of Eggs from <i>Mytilus edulis</i> Females Differing in Mitochondrial DNA Transmission Mode. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3068-3080.	3.8	20
12	The Evolution of an Osmotically Inducible <i>dps</i> in the Genus <i>Streptomyces</i> . <i>PLoS ONE</i> , 2013, 8, e60772.	2.5	6
13	Negatively-Marked MCQ Assessments That Reward Partial Knowledge Do Not Introduce Gender Bias Yet Increase Student Performance and Satisfaction and Reduce Anxiety. <i>PLoS ONE</i> , 2013, 8, e55956.	2.5	10
14	Identification and characterization of highly expressed proteins in sperm cells of the marine mussel <i>Mytilus edulis</i> . <i>Proteomics</i> , 2012, 12, 1949-1956.	2.2	17
15	Analysis of Genotoxicity Data in a Regulatory Context. <i>Methods in Molecular Biology</i> , 2012, 817, 399-417.	0.9	2
16	Multiple Hypothesis Testing in Proteomics: A Strategy for Experimental Work. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.004374.	3.8	136
17	Transcriptional response to heat stress in the Antarctic bivalve <i>Laternula elliptica</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 391, 65-72.	1.5	50
18	Scottish <i>Mytilus trossulus</i> mussels retain ancestral mitochondrial DNA: Complete sequences of male and female mtDNA genomes. <i>Gene</i> , 2010, 456, 45-53.	2.2	49

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19	The consequences of sample pooling in proteomics: An empirical study. <i>Electrophoresis</i> , 2009, 30, 2967-2975.	2.4	195
20	Allozymes and nDNA markers show different levels of population differentiation in the mussel <i>Mytilus Aedulis</i> on British coasts. <i>Hydrobiologia</i> , 2009, 620, 25-33.	2.0	5
21	Bayesian phylogenetics of Bryozoa. <i>Molecular Phylogenetics and Evolution</i> , 2009, 52, 904-910.	2.7	20
22	Non-linear dose-response of DNA-reactive genotoxins: Recommendations for data analysis. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 678, 95-100.	1.7	63
23	Genetic Variation Underlying Protein Expression in Eggs of the Marine Mussel <i>Mytilus edulis</i> . <i>Molecular and Cellular Proteomics</i> , 2009, 8, 132-144.	3.8	34
24	Evolution of 2-DE protein patterns in a mussel hybrid zone. <i>Proteomics</i> , 2007, 7, 2111-2120.	2.2	40
25	Doubly Uniparental Inheritance Is Associated With High Polymorphism for Rearranged and Recombinant Control Region Haplotypes in Baltic <i>Mytilus trossulus</i> . <i>Genetics</i> , 2006, 174, 1081-1094.	2.9	49
26	Laboratory hybridizations between <i>Mytilus</i> species and performance of pure species and hybrid veliger larvae at lowered salinity. <i>Journal of Molluscan Studies</i> , 2005, 71, 303-306.	1.2	15
27	Hybridisations between <i>Mytilus edulis</i> and <i>Mytilus galloprovincialis</i> and performance of pure species and hybrid veliger larvae at different temperatures. <i>Journal of Experimental Marine Biology and Ecology</i> , 2004, 302, 177-188.	1.5	64
28	Average Allozyme Heterozygosity in Vertebrates Correlates with Ka/Ks Measured in the Human-Mouse Lineage. <i>Molecular Biology and Evolution</i> , 2004, 21, 1753-1759.	8.9	17
29	Heteroplasmy Suggests Paternal Co-transmission of Multiple Genomes and Pervasive Reversion of Maternally into Paternally Transmitted Genomes of Mussel ( <i>Mytilus</i> ) Mitochondrial DNA. <i>Journal of Molecular Evolution</i> , 2003, 57, S138-S147.	1.8	23
30	Multiple paternity assessed using microsatellite markers, in green turtles <i>Chelonia mydas</i> (Linnaeus,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i> . 291, 149-160.	1.5	46
31	Disruption of doubly uniparental inheritance of mitochondrial DNA in hybrid mussels ( <i>Mytilus edulis</i> ) <i>Tj ETQq1 1 0.784314 rgBT /Over</i>	2.6	25
32	ANALYSIS OF A NUCLEAR-DNA MARKER FOR SPECIES IDENTIFICATION OF ADULTS AND LARVAE IN THE MYTILUS EDULIS COMPLEX. <i>Journal of Molluscan Studies</i> , 2003, 69, 61-66.	1.2	37
33	Evidence for Recombination of mtDNA in the Marine Mussel <i>Mytilus trossulus</i> from the Baltic. <i>Molecular Biology and Evolution</i> , 2003, 20, 388-392.	8.9	113
34	Microsatellite markers from the Indian major carp species, <i>Catla catla</i> . <i>Molecular Ecology Notes</i> , 2001, 1, 115-116.	1.7	14
35	Detection of damage to the mitochondrial genome in the oncocyctic cells of Warthin's tumour. <i>Journal of Pathology</i> , 2000, 191, 274-281.	4.5	87
36	Authors' reply. Mitochondrial DNA damage and oncocyctic neoplasia. <i>Journal of Pathology</i> , 2000, 192, 562-563.	4.5	2

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37	Microsatellite marker based genetic linkage maps of <i>Oreochromis aureus</i> and <i>O. niloticus</i> (Cichlidae): extensive linkage group segment homologies revealed. <i>Animal Genetics</i> , 2000, 31, 214-218.	1.7	41
38	Interspecies transfer of female mitochondrial DNA is coupled with role-reversals and departure from neutrality in the mussel <i>Mytilus trossulus</i> . <i>Molecular Biology and Evolution</i> , 1999, 16, 655-665.	8.9	74
39	Environmental sex determination: the effect of temperature and salinity on sex ratio in <i>Oreochromis niloticus</i> L. <i>Aquaculture</i> , 1999, 173, 219-234.	3.5	120
40	A polymorphic SCAR-RAPD marker between species of tilapia (Pisces: Cichlidae). <i>Animal Genetics</i> , 1999, 30, 78-79.	1.7	12
41	Are polymorphism and evolutionary rate of allozyme proteins limited by mutation or selection?. <i>Heredity</i> , 1998, 81, 692-702.	2.6	7
42	Patterns of polymorphism and gene flow of gender-associated mitochondrial DNA lineages in European mussel populations. <i>Molecular Ecology</i> , 1998, 7, 1041-1051.	3.9	40
43	Nonneutral Evolution and Differential Mutation Rate of Gender-Associated Mitochondrial DNA Lineages in the Marine Mussel <i>Mytilus</i> . <i>Genetics</i> , 1998, 149, 1511-1526.	2.9	54
44	Genetic manipulation of sex ratio for the large-scale production of all-male tilapia <i>Oreochromis niloticus</i> . <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1997, 54, 396-404.	1.4	168
45	Sex-biased heteroplasmy and mitochondrial DNA inheritance in the mussel <i>Mytilus galloprovincialis</i> Lmk.. <i>Current Genetics</i> , 1996, 29, 423-426.	1.7	35
46	The evolutionary relationships between three species of mussel ( <i>Mytilus</i> ) based on anonymous DNA polymorphisms. <i>Journal of Experimental Marine Biology and Ecology</i> , 1996, 203, 1-10.	1.5	15
47	Allozyme and mtDNA divergence between Atlantic salmon populations in North Wales. <i>Journal of Fish Biology</i> , 1996, 48, 1023-1026.	1.6	9
48	Multilocus DNA fingerprinting and RAPD reveal similar genetic relationships between strains of <i>Oreochromis niloticus</i> (Pisces: Cichlidae). <i>Molecular Ecology</i> , 1995, 4, 271-274.	3.9	66
49	Growth performance trials of genetically male tilapia (GMT) derived from YY-males in <i>Oreochromis niloticus</i> L.: On station comparisons with mixed sex and sex reversed male populations. <i>Aquaculture</i> , 1995, 137, 313-323.	3.5	76
50	Mitochondrial DNA and allozyme variation in Atlantic salmon ( <i>Salmo salar</i> ) populations in Wales. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1995, 52, 171-178.	1.4	20
51	A comparison of genetic diversity levels in marine, freshwater, and anadromous fishes. <i>Journal of Fish Biology</i> , 1994, 44, 213-232.	1.6	866
52	Mitochondrial DNA inheritance. <i>Nature</i> , 1994, 368, 817-818.	27.8	256
53	Shell Growth and Viability Differences Between the Marine Mussels <i>Mytilus edulis</i> (L.), <i>Mytilus galloprovincialis</i> (Lmk.), and Their Hybrids From Two Sympatric Populations in S.W. England. <i>Biological Bulletin</i> , 1993, 185, 405-416.	1.8	51
54	Protein Heterozygosity, Protein Structure, and Taxonomic Differentiation. , 1992, , 73-159.		186

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55	An analysis of allozyme, mitochondrial DNA and morphological variation in mussel ( <i>Mytilus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TTS	3.2	21
56	The application of DNA fingerprinting in the analysis of gynogenesis in tilapia. <i>Aquaculture</i> , 1991, 95, 41-52.	3.5	49
57	Evidence of selective mortality in favour of the <i>Mytilus galloprovincialis</i> Lmk phenotype in British mussel populations. <i>Biological Journal of the Linnean Society</i> , 1991, 42, 351-366.	1.6	44
58	Sex determination in the genus <i>Oreochromis</i> . <i>Theoretical and Applied Genetics</i> , 1991, 82, 144-152.	3.6	114
59	Restriction site mutation analysis, a proposed methodology for the detection and study of DNA base changes following mutagen exposure. <i>Mutagenesis</i> , 1990, 5, 209-212.	2.6	57
60	The "YY"™ supermale in <i>Oreochromis niloticus</i> (L.) and its potential in aquaculture. <i>Aquaculture</i> , 1989, 78, 237-251.	3.5	106
61	Protein variation in <i>Schilbe mystus</i> (L.) and <i>Eutropius niloticus</i> (Ruppel) (Pisces siluriformes) in the Volta Basin of Ghana, West Africa. <i>Aquaculture Research</i> , 1988, 19, 25-37.	1.8	6
62	Historical and size-dependent genetic variation in hybrid mussel populations. <i>Heredity</i> , 1988, 61, 93-105.	2.6	64
63	Salt tolerance in natural populations of <i>Trifolium repens</i> L.. <i>New Phytologist</i> , 1988, 109, 483-490.	7.3	25
64	Evidence that mitochondrial isozymes are genetically less variable than cytoplasmic isozymes. <i>Genetical Research</i> , 1988, 51, 121-127.	0.9	8
65	"Blond": a useful new genetic marker in the tilapia, <i>Oreochromis niloticus</i> (L.). <i>Aquaculture Research</i> , 1987, 18, 159-165.	1.8	3
66	Observed relationships between protein heterozygosity and protein genetic distance and comparisons with neutral expectations. <i>Genetical Research</i> , 1985, 45, 315-340.	0.9	25
67	Mitochondrial DNA variation in <i>Mytilus edulis</i> L. And the padstow mussel. <i>Journal of Experimental Marine Biology and Ecology</i> , 1985, 92, 251-258.	1.5	26
68	Aspartate aminotransferase allozyme variation in a germplasm collection of the domesticated lentil ( <i>Lens culinaris</i> ). <i>Theoretical and Applied Genetics</i> , 1984, 68, 441-448.	3.6	17
69	Aspects of the population genetics of <i>Mytilus</i> (Mytilidae; Mollusca) in the British Isles. <i>Biological Journal of the Linnean Society</i> , 1983, 19, 137-183.	1.6	204
70	Isoenzyme differences between three closely related species of Lineus (Heteronemertea). <i>Journal of Experimental Marine Biology and Ecology</i> , 1983, 66, 207-211.	1.5	17
71	Correlations between heterozygosity and evolutionary rate of proteins. <i>Nature</i> , 1982, 298, 490-492.	27.8	47
72	Relationship between allozyme heterozygosity and rates of divergence. <i>Genetical Research</i> , 1981, 38, 71-92.	0.9	29

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73	Electrophoretic investigation of systematic relationships in the marine mussels <i>Modiolus modiolus</i> L., <i>Mytilus edulis</i> L., and <i>Mytilus galloprovincialis</i> Lmk. (Mytilidae; Mollusca). <i>Biological Journal of the Linnean Society</i> , 1980, 13, 65-73.	1.6	65
74	A genetic study of intergradation between <i>Mytilus edulis</i> and <i>Mytilus galloprovincialis</i> . <i>Experientia</i> , 1979, 35, 1442-1444.	1.2	46
75	An estimate of the amount of genetic variation in the common mussel <i>Mytilus edulis</i> . <i>Biochemical Genetics</i> , 1977, 15, 833-846.	1.7	90