

Angus Davison

List of Publications by Year in descending order

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79
papers

2,787
citations

186265

28
h-index

189892

50
g-index

87
all docs

87
docs citations

87
times ranked

3101
citing authors

#	ARTICLE	IF	CITATIONS
1	On the origin of faeces: morphological versus molecular methods for surveying rare carnivores from their scats. <i>Journal of Zoology</i> , 2002, 257, 141-143.	1.7	209
2	Ancient Origin of Glycosyl Hydrolase Family 9 Cellulase Genes. <i>Molecular Biology and Evolution</i> , 2005, 22, 1273-1284.	8.9	171
3	Formin Is Associated with Left-Right Asymmetry in the Pond Snail and the Frog. <i>Current Biology</i> , 2016, 26, 654-660.	3.9	135
4	Multilocus genetic models of handedness closely resemble single-locus models in explaining family data and are compatible with genome-wide association studies. <i>Annals of the New York Academy of Sciences</i> , 2013, 1288, 48-58.	3.8	129
5	The convoluted evolution of snail chirality. <i>Die Naturwissenschaften</i> , 2005, 92, 504-515.	1.6	114
6	Genome-wide association study of handedness excludes simple genetic models. <i>Heredity</i> , 2014, 112, 221-225.	2.6	101
7	Hybridization and the phylogenetic relationship between polecats and domestic ferrets in Britain. <i>Biological Conservation</i> , 1999, 87, 155-161.	4.1	94
8	Historical demography of Mullerian mimicry in the neotropical <i>Heliconius</i> butterflies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9704-9709.	7.1	90
9	Mitochondrial phylogeography and population history of pine martens <i>Martes martes</i> compared with polecats <i>Mustela putorius</i> . <i>Molecular Ecology</i> , 2002, 10, 2479-2488.	3.9	89
10	DNA barcoding of stylommatophoran land snails: a test of existing sequences. <i>Molecular Ecology Resources</i> , 2009, 9, 1092-1101.	4.8	83
11	Land snails as a model to understand the role of history and selection in the origins of biodiversity. <i>Population Ecology</i> , 2002, 44, 129-136.	1.2	80
12	RAD-Seq derived markers flank the shell colour and banding loci of the <i>Cepaea nemoralis</i> supergene. <i>Molecular Ecology</i> , 2013, 22, 3077-3089.	3.9	72
13	History or current selection? A molecular analysis of "area effects"™ in the land snail <i>Cepaea nemoralis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 1399-1405.	2.6	71
14	Molecular phylogeny of the helicoid land snails (Pulmonata: Stylommatophora: Helicoidea), with special emphasis on the Camaenidae. <i>Journal of Molluscan Studies</i> , 2007, 73, 411-415.	1.2	69
15	Speciation and Gene Flow between Snails of Opposite Chirality. <i>PLoS Biology</i> , 2005, 3, e282.	5.6	60
16	The evolution of extreme shell shape variation in the land snail <i>Ainohelix editha</i> : a phylogeny and hybrid zone analysis. <i>Molecular Ecology</i> , 2003, 12, 1869-1878.	3.9	58
17	Sexual selection maintains whole-body chiral dimorphism in snails. <i>Journal of Evolutionary Biology</i> , 2007, 20, 1941-1949.	1.7	54
18	Conservation genetics and population history of the threatened European mink <i>Mustela lutreola</i> , with an emphasis on the west European population. <i>Molecular Ecology</i> , 2005, 14, 2373-2388.	3.9	53

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19	Sex and darts in slugs and snails (Mollusca: Gastropoda: Stylommatophora). <i>Journal of Zoology</i> , 2005, 267, 329.	1.7	49
20	Genetics and evidence for balancing selection of a sex-linked colour polymorphism in a songbird. <i>Nature Communications</i> , 2019, 10, 1852.	12.8	47
21	Mitochondrial DNA and palaeontological evidence for the origins of endangered European mink, <i>Mustela lutreola</i> . <i>Animal Conservation</i> , 2000, 3, 345-355.	2.9	45
22	Genetic signatures of population change in the British golden eagle (<i>Aquila chrysaetos</i>). <i>Conservation Genetics</i> , 2010, 11, 1837-1846.	1.5	43
23	Title is missing!. <i>Conservation Genetics</i> , 2003, 4, 179-188.	1.5	37
24	Laboratory temperature variation is a previously unrecognized source of genotyping error during capillary electrophoresis. <i>Molecular Ecology Notes</i> , 2003, 3, 321-323.	1.7	34
25	Mating behaviour in <i>Lymnaea stagnalis</i> pond snails is a maternally inherited, lateralized trait. <i>Biology Letters</i> , 2009, 5, 20-22.	2.3	34
26	Labile ecotypes accompany rapid cladogenesis in an adaptive radiation of <i>Mandarina</i> (Bradybaenidae) land snails. <i>Biological Journal of the Linnean Society</i> , 2006, 88, 269-282.	1.6	33
27	Characterization of microsatellite loci in neotropical <i>Heliconius</i> butterflies. <i>Molecular Ecology Notes</i> , 2002, 2, 398-401.	1.7	31
28	Irish <i>Cepaea nemoralis</i> Land Snails Have a Cryptic Franco-Iberian Origin That Is Most Easily Explained by the Movements of Mesolithic Humans. <i>PLoS ONE</i> , 2013, 8, e65792.	2.5	31
29	The ovotestis: an underdeveloped organ of evolution. <i>BioEssays</i> , 2006, 28, 642-650.	2.5	29
30	Is the western population of the European mink, (<i>Mustela lutreola</i>), a distinct Management Unit for conservation?. <i>Biological Conservation</i> , 2004, 115, 357-367.	4.1	28
31	A conserved set of maternal genes? Insights from a molluscan transcriptome. <i>International Journal of Developmental Biology</i> , 2014, 58, 501-511.	0.6	28
32	Two-base DNA hairpin-loop structures in vivo. <i>Nucleic Acids Research</i> , 1994, 22, 4361-4363.	14.5	26
33	A literature database on the mating behavior of stylommatophoran land snails and slugs*. <i>American Malacological Bulletin</i> , 2007, 23, 173-181.	0.2	26
34	Fine Mapping of the Pond Snail Left-Right Asymmetry (Chirality) Locus Using RAD-Seq and Fibre-FISH. <i>PLoS ONE</i> , 2013, 8, e71067.	2.5	26
35	Molecular phylogeny of freshwater snails and limpets (Panpulmonata: Hygrophila). <i>Zoological Journal of the Linnean Society</i> , 2020, 190, 518-531.	2.3	26
36	Mobilizing molluscan models and genomes in biology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200163.	4.0	24

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37	An East-West distribution of divergent mitochondrial haplotypes in British populations of the land snail, <i>Cepaea nemoralis</i> (Pulmonata). <i>Biological Journal of the Linnean Society</i> , 2000, 70, 697-706.	1.6	22
38	Contrasting response to Pleistocene climate change by ground-living and arboreal <i>Mandarina</i> snails from the oceanic Hahajima archipelago. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 3391-3400.	4.0	22
39	Discrete or indiscrete? Redefining the colour polymorphism of the land snail <i>Cepaea nemoralis</i> . <i>Heredity</i> , 2019, 123, 162-175.	2.6	22
40	An expressed sequence tag survey of gene expression in the pond snail <i>Lymnaea stagnalis</i> , an intermediate vector of <i>Fasciola hepatica</i> . <i>Parasitology</i> , 2005, 130, 539-552.	1.5	20
41	Shell shape and habitat use in the North-west Pacific land snail <i>Mandarina polita</i> from Hahajima, Ogasawara: current adaptation or ghost of species past?. <i>Biological Journal of the Linnean Society</i> , 2007, 91, 149-159.	1.6	19
42	Anatomical and molecular studies reveal several cryptic species of the endemic genus <i>Mandarina</i> (Pulmonata: Helicoidea) in the Ogasawara Islands. <i>Journal of Molluscan Studies</i> , 2008, 74, 373-382.	1.2	19
43	Evidence of introgressive hybridization between the morphologically divergent land snails <i>Ainohelix</i> and <i>Ezohelix</i> . <i>Biological Journal of the Linnean Society</i> , 2015, 115, 77-95.	1.6	19
44	Sharing and reporting benefits from biodiversity research. <i>Molecular Ecology</i> , 2021, 30, 1103-1107.	3.9	19
45	The recent history and population structure of five <i>Mandarina</i> snail species from subtropical Ogasawara (Bonin Islands, Japan). <i>Molecular Ecology</i> , 2006, 15, 2905-2919.	3.9	18
46	Behavioral and Physiological Differences between Two Parapatric <i>Heliconius</i> Species. <i>Biotropica</i> , 1999, 31, 661-668.	1.6	17
47	THE INHERITANCE OF DIVERGENT MITOCHONDRIA IN THE LAND SNAIL, <i>CEPAEA NEMORALIS</i> . <i>Journal of Molluscan Studies</i> , 2000, 66, 143-147.	1.2	17
48	Single-gene speciation: Mating and gene flow between mirror-image snails. <i>Evolution Letters</i> , 2017, 1, 282-291.	3.3	16
49	Recombination within the <i>Cepaea nemoralis</i> supergene is confounded by incomplete penetrance and epistasis. <i>Heredity</i> , 2019, 123, 153-161.	2.6	16
50	The draft genome sequence of the grove snail <i>Cepaea nemoralis</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	15
51	Species Reintroductions. <i>Conservation Biology</i> , 1996, 10, 923-923.	4.7	14
52	Are Scat Surveys a Reliable Method for Assessing Distribution and Population Status of Pine Martens?. , 2005, , 235-252.		14
53	The effect of coil phenotypes and genotypes on the fecundity and viability of <i>Partula suturalis</i> and <i>Lymnaea stagnalis</i> : implications for the evolution of sinistral snails. <i>Journal of Evolutionary Biology</i> , 2009, 22, 1624-1635.	1.7	14
54	Isolation and characterization of long compound microsatellite repeat loci in the land snail, <i>Cepaea nemoralis</i> L. (Mollusca, Gastropoda, Pulmonata). <i>Molecular Ecology</i> , 1999, 8, 1760-1761.	3.9	12

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55	Associations Between Stable Carbon Isotope Ratio and Vegetation in Modern and Fossil Land Snails <i>Mandarina chichijimana</i> on Chichijima of the Ogasawara Islands. <i>Paleontological Research</i> , 2009, 13, 151-157.	1.0	12
56	Gene Splicing of an Invertebrate Beta Subunit (LCav ¹) in the N-Terminal and HOOK Domains and Its Regulation of LCav1 and LCav2 Calcium Channels. <i>PLoS ONE</i> , 2014, 9, e92941.	2.5	12
57	Coil and shape in <i>Partula suturalis</i> : the rules of form revisited. <i>Heredity</i> , 2009, 103, 268-278.	2.6	11
58	Endemic Land Snail Fauna (Mollusca) on a Remote Peninsula in the Ogasawara Archipelago, Northwestern Pacific. <i>Pacific Science</i> , 2007, 61, 257-265.	0.6	10
59	Reconstructed historical distribution and phylogeography unravels non-steppic origin of <i>Caucasotachea vindobonensis</i> (Gastropoda: Helicidae). <i>Organisms Diversity and Evolution</i> , 2017, 17, 679-692.	1.6	10
60	Flipping Shells! Unwinding LR Asymmetry in Mirror-Image Molluscs. <i>Trends in Genetics</i> , 2020, 36, 189-202.	6.7	10
61	Temporal expression profile of an accessory-gland protein that is transferred via the seminal fluid of the simultaneous hermaphrodite <i>Lymnaea stagnalis</i> . <i>Journal of Molluscan Studies</i> , 2019, 85, 177-183.	1.2	9
62	Evolutionary biogeography of water shrews (<i>Neomys</i> spp.) in the western Palaearctic Region. <i>Canadian Journal of Zoology</i> , 2000, 78, 1616-1625.	1.0	9
63	Harmful Mating Tactics in Hermaphrodites. <i>American Naturalist</i> , 2009, 173, 632-639.	2.1	8
64	Ion channel profiling of the <i>Lymnaea stagnalis</i> ganglia via transcriptome analysis. <i>BMC Genomics</i> , 2021, 22, 18.	2.8	8
65	Characterization of 17 microsatellite loci in the Japanese land snail genera <i>Mandarina</i> , <i>Ainohelix</i> , and <i>Euhadra</i> (Mollusca, Gastropoda, Pulmonata). <i>Molecular Ecology Notes</i> , 2004, 4, 423-425.	1.7	6
66	An East-West distribution of divergent mitochondrial haplotypes in British populations of the land snail, <i>Cepaea nemoralis</i> (Pulmonata). <i>Biological Journal of the Linnean Society</i> , 2000, 70, 697-706.	1.6	5
67	Formin, an opinion. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	5
68	Pearls of wisdom—a Theo Murphy issue on molluscan genomics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200151.	4.0	5
69	A new set of endogenous control genes for use in quantitative real-time PCR experiments show that formin <i>Ldia2dex</i> transcripts are enriched in the early embryo of the pond snail <i>Lymnaea stagnalis</i> (Panpulmonata). <i>Journal of Molluscan Studies</i> , 2019, 85, 388-396.	1.2	3
70	Population-specific migratory strategies of Twite <i>Linaria flavirostris</i> in Western Europe. <i>Ibis</i> , 2020, 162, 273-278.	1.9	3
71	Qualitative and quantitative methods show stability in patterns of <i>Cepaea nemoralis</i> shell polymorphism in the Pyrenees over five decades. <i>Ecology and Evolution</i> , 2021, 11, 6167-6183.	1.9	3
72	Mitochondrial DNA and palaeontological evidence for the origins of endangered European mink, <i>Mustela lutreola</i> . <i>Animal Conservation</i> , 2000, 3, 345-355.	2.9	3

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73	Adaptive Radiations: Competition Rules for Galápagos Gastropods. <i>Current Biology</i> , 2010, 20, R28-R30.	3.9	2
74	Internet 'shellebrity' reflects on origin of rare mirror-image snails. <i>Biology Letters</i> , 2020, 16, 20200110.	2.3	2
75	Exploding bird diversity brings biological species into question. <i>Trends in Ecology and Evolution</i> , 1996, 11, 509.	8.7	1
76	A pilot study to survey the carnivore community in the hyper-arid environment of South Sinai mountains. <i>Journal of Arid Environments</i> , 2017, 141, 16-24.	2.4	1
77	Quantitative measures and 3D shell models reveal interactions between bands and their position on growing snail shells. <i>Ecology and Evolution</i> , 2021, 11, 6634-6648.	1.9	1
78	Deep structure, long-distance migration and admixture in the colour polymorphic land snail <i>Cepaea nemoralis</i> . <i>Journal of Evolutionary Biology</i> , 2022, 35, 1110-1125.	1.7	1
79	Collaboration with Japan could be more tempting. <i>Nature</i> , 2001, 412, 855-855.	27.8	0