T Ryan Gregory

List of Publications by Year
in descending order

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80 papers	7,098 citations	101384 36 h-index	79541 73 g-index
81 all docs	81 docs citations	81 times ranked	8002 citing authors

#	Article	IF	Citations
1	Throwing away DNA: programmed downsizing in somatic nuclei. Trends in Genetics, 2022, 38, 483-500.	2.9	18
2	What I learned from Denis Lynn. Aquatic Ecosystem Health and Management, 2021, 23, .	0.3	0
3	Long-term TE persistence even without beneficial insertion. BMC Genomics, 2021, 22, 260.	1.2	0
4	Small genomes in most mites (but not ticks). International Journal of Acarology, 2020, 46, 1-8.	0.3	6
5	Transposable element persistence via potential genome-level ecosystem engineering. BMC Genomics, 2020, 21, 367.	1.2	14
6	Cetacean genome size diversity. Marine Mammal Science, 2019, 35, 1133-1140.	0.9	1
7	Genome size and brain cell density in birds. Canadian Journal of Zoology, 2018, 96, 379-382.	0.4	4
8	The Genome Sizes of Ostracod Crustaceans Correlate with Body Size and Evolutionary History, but not Environment. Journal of Heredity, 2017, 108, 701-706.	1.0	17
9	The dynamic evolutionary history of genome size in North American woodland salamanders. Genome, 2017, 60, 285-292.	0.9	4
10	Nuclear DNA content correlates with depth, body size, and diversification rate in amphipod crustaceans from ancient Lake Baikal, Russia. Genome, 2017, 60, 303-309.	0.9	22
11	DNA barcoding as an aid for species identification in austral black flies (Insecta: Diptera: Simuliidae). Genome, 2017, 60, 348-357.	0.9	5
12	Qualitative and quantitative analysis of the genomes and chromosomes of spider monkeys (Primates:) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	6
13	Molecular Phylogenetic Analysis ofInfidum similis, Including Morphological Data and Estimation of its Genome Size. Journal of Parasitology, 2016, 102, 468-475.	0.3	3
14	Patterns of genome size variation in snapping shrimp. Genome, 2016, 59, 393-402.	0.9	42
15	Genome size estimates for Aplacophora, Polyplacophora and Scaphopoda: small solenogasters and sizeable scaphopods: TableÂ1.. Journal of Molluscan Studies, 2015, , eyv054.	0.4	3
16	Applying ecological models to communities of genetic elements: the case of neutral theory. Molecular Ecology, 2015, 24, 3232-3242.	2.0	34
17	What's in a genome? The C-value enigma and the evolution of eukaryotic genome content. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140331.	1.8	211
18	Do larger genomes contain more diverse transposable elements?. BMC Evolutionary Biology, 2015, 15, 69.	3.2	72

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19	The Case for Junk DNA. PLoS Genetics, 2014, 10, e1004351.	1.5	202
20	First estimates of genome size in ribbon worms (phylum Nemertea) using flow cytometry and Feulgen image analysis densitometry. Canadian Journal of Zoology, 2014, 92, 847-851.	0.4	6
21	Conceptual and Empirical Challenges of Ascribing Functions to Transposable Elements. American Naturalist, 2014, 184, 14-24.	1.0	31
22	Distinguishing between "Function" and "Effect" in Genome Biology. Genome Biology and Evolution, 2014, 6, 1234-1237.	1.1	79
23	Metabolic â€˜enginesâ€™ of flight drive genome size reduction in birds. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132780.	1.2	97
24	Genome size estimates for crustaceans using Feulgen image analysis densitometry of ethanolâ€preserved tissues. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 862-868.	1.1	19
25	Patterns of genome size diversity in bats (order Chiroptera). Genome, 2013, 56, 457-472.	0.9	23
26	A novel application of ecological analyses to assess transposable element distributions in the genome of the domestic cow, Bos taurus. Genome, 2013, 56, 521-533.	0.9	8
27	Sizing up arthropod genomes: an evaluation of the impact of environmental variation on genome size estimates by flow cytometry and the use of qPCR as a method of estimation. Genome, 2013, 56, 505-510.	0.9	27
28	A first exploration of genome size diversity in sponges. Genome, 2013, 56, 451-456.	0.9	21
29	Distinguishing ecological from evolutionary approaches to transposable elements. Biological Reviews, 2013, 88, 573-584.	4.7	22
30	Molecules and Macroevolution: A Gouldian View of the Genome. , 2013, , 53-72.		3
31	Genome size and chromosome number in velvet worms (Onychophora). Genetica, 2012, 140, 497-504.	0.5	16
32	The genome of Tetranychus urticae reveals herbivorous pest adaptations. Nature, 2011, 479, 487-492.	13.7	897
33	Spore: Assessment of the Science in an Evolution-Oriented Game. Human-computer Interaction Series, 2010, , 71-85.	0.4	1
34	Genome size is inversely correlated with relative brain size in parrots and cockatoos. Genome, 2009, 52, 261-267.	0.9	26
35	The smallest avian genomes are found in hummingbirds. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 3753-3757.	1.2	43
36	The genome sizes of megabats (Chiroptera: Pteropodidae) are remarkably constrained. Biology Letters, 2009, 5, 347-351.	1.0	42

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37	Genome size and wing parameters in passerine birds. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 55-61.	1.2	63
38	Patterns of genome size diversity in the ray-finned fishes. Hydrobiologia, 2009, 625, 1-25.	1.0	49
39	Artificial Selection and Domestication: Modern Lessons from Darwinâ€™s Enduring Analogy. Evolution: Education and Outreach, 2009, 2, 5-27.	0.3	55
40	Understanding Natural Selection: Essential Concepts and Common Misconceptions. Evolution: Education and Outreach, 2009, 2, 156-175.	0.3	280
41	The Argument from Design: A Guided Tour of William Paleyâ€™s Natural Theology (1802). Evolution: Education and Outreach, 2009, 2, 602-611.	0.3	4
42	Conceptions of Evolution among Science Graduate Students. BioScience, 2009, 59, 792-799.	2.2	7
43	Evolution as Fact, Theory, and Path. Evolution: Education and Outreach, 2008, 1, 46-52.	0.3	20
44	Understanding Evolutionary Trees. Evolution: Education and Outreach, 2008, 1, 121-137.	0.3	187
45	Evolutionary Trends. Evolution: Education and Outreach, 2008, 1, 259-273.	0.3	13
46	The Evolution of Complex Organs. Evolution: Education and Outreach, 2008, 1, 358-389.	0.3	46
47	Genome size, cell size, and the evolution of enucleated erythrocytes in attenuate salamanders. Zoology, 2008, 111, 218-230.	0.6	55
48	Population size and genome size in fishes: a closer look. Genome, 2008, 51, 309-313.	0.9	30
49	Eukaryotic genome size databases. Nucleic Acids Research, 2007, 35, D332-D338.	6.5	371
50	Genomic Diversity Research and the Role of Biorepositories. Cell Preservation Technology, 2007, 5, 93-103.	0.8	23
51	The tardigrade Hypsibius dujardini, a new model for studying the evolution of development. Developmental Biology, 2007, 312, 545-559.	0.9	119
52	Synergy between sequence and size in Large-scale genomics. Nature Reviews Genetics, 2005, 6, 699-708.	7.7	281
53	The C-value Enigma in Plants and Animals: A Review of Parallels and an Appeal for Partnership. Annals of Botany, 2005, 95, 133-146.	1.4	222
54	Genome Size Evolution in Animals. , 2005, , 3-87.		200

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55	Preparation of Samples for Comparative Studies of Arthropod Chromosomes: Visualization, In Situ Hybridization, and Genome Size Estimation. Methods in Enzymology, 2005, 395, 460-488.	0.4	39
56	Polyploidy in Animals. , 2005, , 427-517.		114
57	Comparative Genomics in Prokaryotes. , 2005, , 585-675.		23
58	Macroevolution and the Genome. , 2005, , 679-729.		35
59	Macroevolution, hierarchy theory, and the C-value enigma. Paleobiology, 2004, 30, 179-202.	1.3	96
60	C-value estimates for 31 species of ladybird beetles (Coleoptera: Coccinellidae). Hereditas, 2004, 139, 121-127.	0.5	28
61	Genome size is not correlated positively with longevity in fishes (or homeotherms). Experimental Gerontology, 2004, 39, 859-860.	1.2	15
62	Insertionâ€“deletion biases and the evolution of genome size. Gene, 2004, 324, 15-34.	1.0	157
63	Is small indel bias a determinant of genome size?. Trends in Genetics, 2003, 19, 485-488.	2.9	47
64	Variation across amphibian species in the size of the nuclear genome supports a pluralistic, hierarchical approach to the C-value enigma. Biological Journal of the Linnean Society, 2003, 79, 329-339.	0.7	67
65	Genome size variation in lepidopteran insects. Canadian Journal of Zoology, 2003, 81, 1399-1405.	0.4	41
66	Genome size estimates for two important freshwater molluscs, the zebra mussel (Dreissena) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	0.9	28
67	The correlation between rDNA copy number and genome size in eukaryotes. Genome, 2003, 46, 48-50.	0.9	401
68	From Pixels to Picograms. Journal of Histochemistry and Cytochemistry, 2002, 50, 735-749.	1.3	233
69	Genome size and developmental parameters in the homeothermic vertebrates. Genome, 2002, 45, 833-838.	0.9	46
70	Genome size of the northern walkingstick, Diapheromera femorata (Phasmida: Heteronemiidae). Canadian Journal of Zoology, 2002, 80, 1303-1305.	0.4	6
71	New insights into the distribution of polyploid Daphnia: the Holarctic revisited and Argentina explored. Molecular Ecology, 2002, 11, 1209-1217.	2.0	51
72	A BIRD'S-EYE VIEW OF THE C-VALUE ENIGMA: GENOME SIZE, CELL SIZE, AND METABOLIC RATE IN THE CLASS AVES. Evolution; International Journal of Organic Evolution, 2002, 56, 121-130.	1.1	218

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73	Genome size estimates for some oligochaete annelids. Canadian Journal of Zoology, 2002, 80, 1485-1489.	0.4	26
74	Genome size and developmental complexity. Genetica, 2002, 115, 131-146.	0.5	222
75	Coincidence, coevolution, or causation? DNA content, cell size, and the C-value enigma. Biological Reviews, 2001, 76, 65-101.	4.7	590
76	Temporal control of DNA replication and the adaptive value of chromatin diminution in copepods. The Journal of Experimental Zoology, 2001, 291, 310-316.	1.4	29
77	Evolutionary implications of the relationship between genome size and body size in flatworms and copepods. Heredity, 2000, 84, 201-208.	1.2	121
78	Nucleotypic effects without nuclei: Genome size and erythrocyte size in mammals. Genome, 2000, 43, 895-901.	0.9	94
79	The Effects of Chronic Plasma Cortisol Elevation on the Feeding Behaviour, Growth, Competitive Ability, and Swimming Performance of Juvenile Rainbow Trout. Physiological and Biochemical Zoology, 1999, 72, 286-295.	0.6	226
80	Individual variation and interrelationships between swimming performance, growth rate, and feeding in juvenile rainbow trout (Oncorhynchus mykiss). Canadian Journal of Fisheries and Aquatic Sciences, 1998, 55, 1583-1590.	0.7	95