

# Frietson Galis

## List of Publications by Year in descending order

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77  
papers

2,869  
citations

172207

29  
h-index

197535

49  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Why do almost all mammals have seven cervical vertebrae? Developmental constraints, Hox genes, and cancer. , 1999, 285, 19-26.		249
2	Sexual Dimorphism in the Prenatal Digit Ratio (2D:4D). Archives of Sexual Behavior, 2010, 39, 57-62.	1.2	216
3	Phenotypic plasticity and the possible role of genetic assimilation: Hypoxia-induced trade-offs in the morphological traits of an African cichlid. Ecology Letters, 2000, 3, 387-393.	3.0	173
4	Why are there so many cichlid species?. Trends in Ecology and Evolution, 1998, 13, 1-2.	4.2	143
5	Testing the vulnerability of the phylotypic stage: On modularity and evolutionary conservation. The Journal of Experimental Zoology, 2001, 291, 195-204.	1.4	131
6	Why five fingers? Evolutionary constraints on digit numbers. Trends in Ecology and Evolution, 2001, 16, 637-646.	4.2	127
7	EXTREME SELECTION IN HUMANS AGAINST HOMEOTIC TRANSFORMATIONS OF CERVICAL VERTEBRAE. Evolution; International Journal of Organic Evolution, 2006, 60, 2643-2654.	1.1	108
8	Do large dogs die young?. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2007, 308B, 119-126.	0.6	107
9	Breaking evolutionary and pleiotropic constraints in mammals: On sloths, manatees and homeotic mutations. EvoDevo, 2011, 2, 11.	1.3	99
10	Pharyngeal biting mechanics in centrarchid and cichlid fishes: insights into a key evolutionary innovation. Journal of Evolutionary Biology, 1996, 9, 641-670.	0.8	83
11	Conservation of the segmented germband stage: robustness or pleiotropy?. Trends in Genetics, 2002, 18, 504-509.	2.9	75
12	Anti-cancer selection as a source of developmental and evolutionary constraints. BioEssays, 2003, 25, 1035-1039.	1.2	73
13	Fast running restricts evolutionary change of the vertebral column in mammals. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11401-11406.	3.3	60
14	Quantitative three-dimensional microtextural analyses of tooth wear as a tool for dietary discrimination in fishes. Journal of the Royal Society Interface, 2012, 9, 2225-2233.	1.5	59
15	The application of functional morphology to evolutionary studies. Trends in Ecology and Evolution, 1996, 11, 124-129.	4.2	52
16	Evolutionary novelties: the making and breaking of pleiotropic constraints. Integrative and Comparative Biology, 2007, 47, 409-419.	0.9	50
17	Evo-Devo of the Human Vertebral Column: On Homeotic Transformations, Pathologies and Prenatal Selection. Evolutionary Biology, 2012, 39, 456-471.	0.5	49
18	Patch Time Allocation and Search Intensity of <i>Asobara tabida</i> Nees (Braconidea), a Larval Parasitoid of <i>Drosophila</i> . Animal Biology, 1980, 31, 596-611.	0.4	48

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19	DOLLO'S LAW AND THE IRREVERSIBILITY OF DIGIT LOSS IN BACHIA. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, no-no.	1.1	47
20	Why is limb regeneration possible in amphibians but not in reptiles, birds, and mammals?. <i>Evolution &amp; Development</i> , 2003, 5, 208-220.	1.1	46
21	The relation between morphology and behaviour during ontogenetic and evolutionary changes. <i>Journal of Fish Biology</i> , 1994, 45, 13-26.	0.7	45
22	Analysis of cervical ribs in a series of human fetuses. <i>Journal of Anatomy</i> , 2011, 219, 403-409.	0.9	44
23	Comparative Functional Morphology of the Gills of African Lacustrine Cichlidae (Pisces, Teleostei). <i>Animal Biology</i> , 1979, 30, 392-430.	0.4	40
24	Vertebral number is highly evolvable in salamanders and newts (family Salamandridae) and variably associated with climatic parameters. <i>Contributions To Zoology</i> , 2015, 84, 85-113.	0.2	40
25	The Association Between Autism and Errors in Early Embryogenesis: What Is the Causal Mechanism?. <i>Biological Psychiatry</i> , 2010, 67, 602-607.	0.7	38
26	Key Innovations and Radiations. , 2001, , 581-605.		37
27	Extreme selection in humans against homeotic transformations of cervical vertebrae. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2643-54.	1.1	37
28	Interactions between the pharyngeal jaw apparatus, feeding behaviour, and ontogeny in the cichlid fish, <i>Haplochromis piceatus</i> : A study of morphological constraints in evolutionary ecology. <i>The Journal of Experimental Zoology</i> , 1993, 267, 137-154.	1.4	35
29	Determination of hip-joint loading patterns of living and extinct mammals using an inverse Wolff's law approach. <i>Biomechanics and Modeling in Mechanobiology</i> , 2015, 14, 427-432.	1.4	33
30	A model for biting in the pharyngeal jaws of a cichlid fish: <i>Haplochromis piceatus</i> . <i>Journal of Theoretical Biology</i> , 1992, 155, 343-368.	0.8	31
31	An old controversy solved: bird embryos have five fingers. <i>Trends in Ecology and Evolution</i> , 2003, 18, 7-9.	4.2	31
32	Hox genes, digit identities and the theropod/bird transition. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2005, 304B, 198-205.	0.6	30
33	Optimal foraging and ontogeny; food selection by <i>Haplochromis piceatus</i> . <i>Oecologia</i> , 1988, 75, 175-184.	0.9	26
34	FLUCTUATING ASYMMETRY DOES NOT CONSISTENTLY REFLECT SEVERE DEVELOPMENTAL DISORDERS IN HUMAN FETUSES. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1832-1844.	1.1	26
35	Development and Evolutionary Constraints in Animals. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2018, 49, 499-522.	3.8	26
36	Ecological and Morphological Aspects of Changes in Food Uptake Through the Ontogeny of <i>Haplochromis Piceatus</i> . , 1990, , 281-302.		23

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37	Digit reduction: via repatterning or developmental arrest?. <i>Evolution &amp; Development</i> , 2002, 4, 249-251.	1.1	21
38	Evolutionary history of vertebrate appendicular muscle. <i>BioEssays</i> , 2001, 23, 383-387.	1.2	20
39	Morphological constraints on behaviour through ontogeny: The importance of developmental constraints. <i>Marine and Freshwater Behaviour and Physiology</i> , 1993, 23, 119-135.	0.9	16
40	Evolutionary conserved structures as indicators of medical risks: increased incidence of cervical ribs after ovarian hyperstimulation in mice. <i>Animal Biology</i> , 2006, 56, 63-68.	0.6	16
41	Divergence and convergence in early embryonic stages of metazoans. <i>Contributions To Zoology</i> , 2002, 71, 101-113.	0.2	15
42	On the Homology of Structures and <i>Hox</i> Genes: The Vertebral Column. <i>Novartis Foundation Symposium</i> , 1999, 222, 80-94.	1.2	15
43	Homeotic transformations and number changes in the vertebral column of <i>Triturus</i> newts. <i>PeerJ</i> , 2015, 3, e1397.	0.9	15
44	Extraordinary incidence of cervical ribs indicates vulnerable condition in Late Pleistocene mammoths. <i>PeerJ</i> , 2014, 2, e318.	0.9	15
45	Hypoxia tolerance of two closely related <i>Haplochromis</i> species (pisces: cichlidae): <i>haplochromis elegans</i> trewavas, 1933 and <i>H. angustifrons</i> bouleenger, 1914. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1979, 64, 137-139.	0.7	13
46	Parthenogenesis and developmental constraints. <i>Evolution &amp; Development</i> , 2020, 22, 205-217.	1.1	13
47	High incidence of cervical ribs indicates vulnerable condition in Late Pleistocene woolly rhinoceroses. <i>PeerJ</i> , 2017, 5, e3684.	0.9	13
48	Evo Devo and cognitive science. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2011, 2, 429-440.	1.4	12
49	Digit identity and digit number: indirect support for the descent of birds from theropod dinosaurs. <i>Trends in Ecology and Evolution</i> , 2001, 16, 16.	4.2	11
50	No association between fluctuating asymmetry in highly stabilized traits and second to fourth digit ratio (2D:4D) in human fetuses. <i>Early Human Development</i> , 2009, 85, 393-398.	0.8	11
51	Amniotic Fluid Deficiency and Congenital Abnormalities both Influence Fluctuating Asymmetry in Developing Limbs of Human Deceased Fetuses. <i>PLoS ONE</i> , 2013, 8, e81824.	1.1	11
52	Higher limb asymmetry in deceased human fetuses and infants with aneuploidy. <i>Scientific Reports</i> , 2014, 4, 3703.	1.6	11
53	Adverse Fetal and Neonatal Outcome and an Abnormal Vertebral Pattern: A Systematic Review. <i>Obstetrical and Gynecological Survey</i> , 2016, 71, 741-750.	0.2	11
54	A Novel Biting Mechanism in Damsel Fishes (Pomacentridae): the Pushing Up of the Lower Pharyngeal Jaw By the Pectoral Girdle. <i>Animal Biology</i> , 1996, 47, 405-410.	0.4	10

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55	Speciation and Radiation in African Haplochromine Cichlids. , 2004, , 173-191.		10
56	Why did the savant syndrome not spread in the population? A psychiatric example of a developmental constraint. Psychiatry Research, 2009, 166, 85-90.	1.7	10
57	The evolution of insects and vertebrates: homeobox genes and homology. Trends in Ecology and Evolution, 1996, 11, 402-403.	4.2	8
58	Evolutionary approaches to autism- an overview and integration. McGill Journal of Medicine, 2011, 13, 38.	0.1	8
59	Human fetuses and limb asymmetry: No evidence for directional asymmetry and support for fluctuating asymmetry as a measure of developmental instability. Animal Biology, 2010, 60, 169-182.	0.6	6
60	When right differs from left: Human limb directional asymmetry emerges during very early development. Laterality, 2014, 19, 591-601.	0.5	6
61	Increased prevalence of abnormal vertebral patterning in fetuses and neonates with trisomy 21. Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 2280-2286.	0.7	5
62	Pseudo-homeosis in avian feet. Trends in Ecology and Evolution, 2002, 17, 256.	4.2	4
63	The relation between morphology and behaviour during ontogenetic and evolutionary changes. , 0, 45, 13.		4
64	Title is missing!. Acta Biotheoretica, 2003, 51, 237-238.	0.7	3
65	EXTREME SELECTION IN HUMANS AGAINST HOMEOTIC TRANSFORMATIONS OF CERVICAL VERTEBRAE. Evolution; International Journal of Organic Evolution, 2006, 60, 2643.	1.1	3
66	Developmental Origins of Limb Developmental Instability in Human Fetuses: Many Abnormalities Make the Difference. Symmetry, 2017, 9, 51.	1.1	3
67	Miscarriage is associated with cervical ribs in thoracic outlet syndrome patients. Early Human Development, 2020, 144, 105027.	0.8	3
68	How fast do crossbills speciate? On assortative mating and vocalizations. Trends in Ecology and Evolution, 2000, 15, 357.	4.2	2
69	No sexual dimorphism in human prenatal metacarpal ratios. Early Human Development, 2014, 90, 157-160.	0.8	2
70	Changes of Fluctuating Asymmetry with Age in Human Fetuses and Young Infants. Symmetry, 2017, 9, 44.	1.1	2
71	Exploring copy number variants in deceased fetuses and neonates with abnormal vertebral patterns and cervical ribs. Birth Defects Research, 2020, 112, 1513-1525.	0.8	2
72	Evo-Devo and Cognitive Science. , 2021, , 1209-1220.		2

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73	The rise of the Aristotelean worms. Trends in Ecology and Evolution, 2002, 17, 11.	4.2	0
74	The Digital Arch Model reconsidered. Trends in Ecology and Evolution, 2002, 17, 405.	4.2	0
75	Is it dangerous to grow fast and become large?. Trends in Ecology and Evolution, 2002, 17, 547.	4.2	0
76	A Macroevolutionary Perspective on Developmental Constraints in Animals. , 2021, , 51-67.		0
77	Evolutionary and Developmental Issues of Cervical Ribs/Evolutionary Issues of Cervical Ribs. , 2021, , 23-35.		0