

James R Stewart

List of Publications by Year in descending order

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60
papers

2,153
citations

186265

28
h-index

254184

43
g-index

60
all docs

60
docs citations

60
times ranked

492
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of placentation among squamate reptiles: recent research and future directions. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2000, 127, 411-431.	1.8	115
2	Evolution of reptilian placentation: Development of extraembryonic membranes of the Australian scincid lizards, <i>Bassiana duperreyi</i> (Oviparous) and <i>Pseudemoia entrecasteauxii</i> (Viviparous). , 1996, 227, 349-370.		95
3	Facultative Placentotrophy and the Evolution of Squamate Placentation: Quality of Eggs and Neonates in <i>Virginia striatula</i> . <i>American Naturalist</i> , 1989, 133, 111-137.	2.1	95
4	MORPHOLOGY AND EVOLUTION OF THE EGG OF OVIPAROUS AMNIOTES. , 1997, , 291-326.		90
5	Comparison of nutrient transport across the placenta of lizards differing in placental complexity. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2000, 127, 469-479.	1.8	90
6	Yolk sac placentation in reptiles: Structural innovation in a fundamental vertebrate fetal nutritional system. <i>The Journal of Experimental Zoology</i> , 1993, 266, 431-449.	1.4	87
7	Reptilian Placentation: Structural Diversity and Terminology. <i>Copeia</i> , 1988, 1988, 839.	1.3	76
8	Placental Structure and Nutritional Provision to Embryos in Predominantly Lecithotrophic Viviparous Reptiles. <i>American Zoologist</i> , 1992, 32, 303-312.	0.7	74
9	Nutritional Provision of the Yolk of Two Species of Viviparous Reptiles. <i>Physiological Zoology</i> , 1984, 57, 377-383.	1.5	66
10	Placental structure of the Australian lizard, <i>Niveoscincus metallicus</i> (Squamata: Scincidae). <i>Journal of Morphology</i> , 1994, 220, 223-236.	1.2	64
11	Embryonic metabolism and growth in lizards of the genus <i>Eumeces</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 118, 647-654.	0.6	61
12	Placentation in the lizard <i>Gerrhonotus coeruleus</i> with a comparison to the extraembryonic membranes of the oviparous <i>Gerrhonotus multicarinatus</i> (Sauria, Anguillidae). <i>Journal of Morphology</i> , 1985, 185, 101-114.	1.2	59
13	Placental nutrition in a viviparous lizard (<i>Pseudemoia pagenstecheri</i>) with a complex placenta. <i>Journal of Zoology</i> , 1999, 248, 295-305.	1.7	57
14	Development of the extraembryonic membranes and histology of the placentae in <i>Virginia striatula</i> (Squamata: Serpentes). <i>Journal of Morphology</i> , 1990, 205, 33-43.	1.2	55
15	Evolutionary transformations of the fetal membranes of viviparous reptiles: A case study of two lineages. <i>The Journal of Experimental Zoology</i> , 2003, 299A, 13-32.	1.4	54
16	Ontogeny of the extraembryonic membranes of the oviparous lizard, <i>Eumeces fasciatus</i> (Squamata: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		53
17	Viviparity and Placentation in Snakes. <i>Reproductive Biology and Phylogeny Series</i> , 2011, , 119-181.	1.1	52
18	Nutritional Provision to Embryos in a Predominantly Lecithotrophic Placental Reptile, <i>Thamnophis ordinoides</i> (Squamata: Serpentes). <i>Physiological Zoology</i> , 1990, 63, 722-734.	1.5	51

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19	Placental ontogeny of the Australian scincid lizards <i>Niveoscincus coventryi</i> and <i>Pseudemoia spenceri</i> . <i>The Journal of Experimental Zoology</i> , 1998, 282, 535-559.	1.4	48
20	Ultrastructure of the placentae of the natricine snake, <i>Virginia striatula</i> (Reptilia: Squamata). <i>Journal of Morphology</i> , 2003, 255, 177-201.	1.2	44
21	Fetal nutrition in lecithotrophic squamate reptiles: Toward a comprehensive model for evolution of viviparity and placentation. <i>Journal of Morphology</i> , 2013, 274, 824-843.	1.2	44
22	Development of the uterine shell glands during the preovulatory and early gestation periods in oviparous and viviparous <i>Lacerta vivipara</i> . <i>Journal of Morphology</i> , 2005, 266, 80-93.	1.2	43
23	Evolution of viviparity: what can Australian lizards tell us?. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 131, 631-643.	1.6	41
24	Embryonic Growth and Calcium Mobilization in Oviposited Eggs of the Scincid Lizard, <i>Eumeces fasciatus</i> . <i>Copeia</i> , 1994, 1994, 493.	1.3	40
25	Calcium provision to oviparous and viviparous embryos of the reproductively bimodal lizard <i>Lacerta (Zootoca) vivipara</i> . <i>Journal of Experimental Biology</i> , 2009, 212, 2520-2524.	1.7	36
26	Extraembryonic membrane development in a reproductively bimodal lizard, <i>Lacerta (Zootoca) vivipara</i> . <i>Zoology</i> , 2004, 107, 289-314.	1.2	35
27	Egg and Clutch Size of the Viviparous Australian Skink, <i>Pseudemoiapagenstecheri</i> and the Identity of Species with Type III Allantoplacentae. <i>Journal of Herpetology</i> , 1994, 28, 519.	0.5	34
28	Placentation in garter snakes: Scanning EM of the placental membranes of <i>Thamnophis ordinoides</i> and <i>T. sirtalis</i> . <i>Journal of Morphology</i> , 2002, 252, 263-275.	1.2	34
29	Expression of calbindin-D28K by yolk sac and chorioallantoic membranes of the corn snake, <i>Elaphe guttata</i> . <i>The Journal of Experimental Zoology</i> , 2004, 302B, 517-525.	1.4	30
30	Parallel evolution of placentation in Australian scincid lizards. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2009, 312B, 590-602.	1.3	29
31	Placental ontogeny of the Tasmanian scincid lizard, <i>Niveoscincus ocellatus</i> (Reptilia: Squamata). <i>Journal of Morphology</i> , 2004, 259, 214-237.	1.2	28
32	Placental ontogeny in Tasmanian snow skinks (genus <i>Niveoscincus</i>) (Lacertilia: Scincidae). <i>Journal of Morphology</i> , 2009, 270, 485-516.	1.2	27
33	Uterine and eggshell structure and histochemistry in a lizard with prolonged uterine egg retention (Lacertilia, Scincidae, <i>Saiphos</i>). <i>Journal of Morphology</i> , 2010, 271, 1342-1351.	1.2	26
34	Sources and timing of calcium mobilization during embryonic development of the corn snake, <i>Pantherophis guttatus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2004, 139, 335-341.	1.8	24
35	Placentation in the Mexican lizard <i>Sceloporus mucronatus</i> (Squamata: Phrynosomatidae). <i>Journal of Morphology</i> , 2005, 264, 286-297.	1.2	23
36	Do pregnant lizards resorb or abort inviable eggs and embryos? Morphological evidence from an Australian skink, <i>Pseudemoiapagenstecheri</i> . <i>Journal of Morphology</i> , 2003, 256, 219-234.	1.2	19

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37	Development of yolk sac and chorioallantoic membranes in the Lord Howe Island skink, <i>Oligosoma lichenigerum</i> . <i>Journal of Morphology</i> , 2012, 273, 1163-1184.	1.2	19
38	Placental calcium provision in a lizard with prolonged oviductal egg retention. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 221-227.	1.5	18
39	Developmental expression of calcium transport proteins in extraembryonic membranes of oviparous and viviparous <i>Zootoca vivipara</i> (Lacertilia, Lacertidae). <i>Journal of Experimental Biology</i> , 2011, 214, 2999-3004.	1.7	17
40	The corn snake yolk sac becomes a solid tissue filled with blood vessels and yolk-rich endodermal cells. <i>Biology Letters</i> , 2014, 10, 20130870.	2.3	17
41	Yolk sac development in lizards (Lacertilia: Scincidae): New perspectives on the egg of amniotes. <i>Journal of Morphology</i> , 2017, 278, 574-591.	1.2	17
42	Maternal provision and embryonic uptake of calcium in an oviparous and a placentotrophic viviparous Australian lizard (Lacertilia: Scincidae). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 153, 202-208.	1.8	16
43	Amniote yolk sacs: diversity in reptiles and a hypothesis on their origin. <i>International Journal of Developmental Biology</i> , 2014, 58, 889-894.	0.6	16
44	Uptake of dextran-FITC by epithelial cells of the chorioallantoic placentome and the omphalopleure of the placentotrophic lizard, <i>Pseudemoia entrecasteauxii</i> . <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2006, 305A, 883-889.	1.3	15
45	Phylogeny and evolutionary history of the amniote egg. <i>Journal of Morphology</i> , 2021, 282, 1080-1122.	1.2	15
46	Placental specializations in lecithotrophic viviparous squamate reptiles. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2015, 324, 549-561.	1.3	14
47	Placental development and expression of calcium transporting proteins in the extraembryonic membranes of a placentotrophic lizard. <i>Journal of Morphology</i> , 2012, 273, 347-359.	1.2	13
48	Utilisation of nutrients by embryos of the enigmatic Australian viviparous skink <i>Niveoscincus coventryi</i> . <i>The Journal of Experimental Zoology</i> , 2001, 290, 291-298.	1.4	12
49	Embryonic mobilization of calcium in a viviparous reptile: Evidence for a novel pattern of placental calcium secretion. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2010, 156, 147-150.	1.8	12
50	Expression of Calcium Transport Proteins in the Extraembryonic Membranes of a Viviparous Snake, <i>Virginia striatula</i> . <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2012, 318, 250-256.	1.3	11
51	Morphological research on amniote eggs and embryos: An introduction and historical retrospective. <i>Journal of Morphology</i> , 2021, 282, 1024-1046.	1.2	11
52	A developmental synapomorphy of squamate reptiles. <i>Evolution & Development</i> , 2019, 21, 342-353.	2.0	7
53	Facultative mobilization of eggshell calcium promotes embryonic growth in an oviparous snake. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	7
54	Developmental morphology and evolution of extraembryonic membranes of lizards and snakes (Reptilia, Squamata). <i>Journal of Morphology</i> , 2021, 282, 973-994.	1.2	6

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55	Novel placental structure in the Mexican gerrhonotine lizard, <i>Mesaspis viridiflava</i> (Lacertilia; Anguidae). <i>Journal of Morphology</i> , 2019, 280, 35-49.	1.2	5
56	Classics revisited, history of reptile placentology, part IV: Hanni Hrabowski's 1926 monograph on fetal membranes of lizards. <i>Placenta</i> , 2020, 95, 26-32.	1.5	3
57	Ex utero culture of viviparous embryos of the lizard, <i>Zootoca vivipara</i> , provides insights into calcium homeostasis during development. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 206, 63-68.	1.8	1
58	Evolution of reptilian placentation: Development of extraembryonic membranes of the Australian scincid lizards, <i>Bassiana duperreyi</i> (Oviparous) and <i>Pseudemoia entrecasteauxii</i> (Viviparous). <i>Journal of Morphology</i> , 1996, 227, 349-370.	1.2	1
59	Functional complexity in the chorioallantoic membrane of an oviparous snake: Specializations for calcium uptake from the eggshell. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2022, 338, 331-341.	1.3	1
60	A universal model for the evolution of viviparity? (Comment on DOI 10.1002/bies.201400200). <i>BioEssays</i> , 2015, 37, 714-714.	2.5	0