James R Stewart

List of Publications by Year
in descending order

60	2,153	186265 28	254184 43
papers	citations	h-index	g-index

60	60	60	492
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functional complexity in the chorioallantoic membrane of an oviparous snake: Specializations for calcium uptake from the eggshell. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2022, 338, 331-341.	1.3	1
2	Developmental morphology and evolution of extraembryonic membranes of lizards and snakes (Reptilia, Squamata). Journal of Morphology, 2021, 282, 973-994.	1.2	6
3	Morphological research on amniote eggs and embryos: An introduction and historical retrospective. Journal of Morphology, 2021, 282, 1024-1046.	1.2	11
4	Phylogeny and evolutionary history of the amniote egg. Journal of Morphology, 2021, 282, 1080-1122.	1.2	15
5	Classics revisited, history of reptile placentology, part IV: Hanni Hrabowski's 1926 monograph on fetal membranes of lizards. Placenta, 2020, 95, 26-32.	1.5	3
6	A developmental synapomorphy of squamate reptiles. Evolution & Development, 2019, 21, 342-353.	2.0	7
7	Facultative mobilization of eggshell calcium promotes embryonic growth in an oviparous snake. Journal of Experimental Biology, 2019, 222, .	1.7	7
8	Novel placental structure in the Mexican gerrhonotine lizard, <scp>Mesaspis viridiflava</scp> (Lacertilia; Anguidae). Journal of Morphology, 2019, 280, 35-49.	1.2	5
9	Yolk sac development in lizards (Lacertilia: Scincidae): New perspectives on the egg of amniotes. Journal of Morphology, 2017, 278, 574-591.	1.2	17
10	Ex utero culture of viviparous embryos of the lizard, Zootoca vivipara, provides insights into calcium homeostasis during development. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 206, 63-68.	1.8	1
11	A universal model for the evolution of viviparity? (Comment on DOI 10.1002/bies.201400200). BioEssays, 2015, 37, 714-714.	2.5	0
12	Placental specializations in lecithotrophic viviparous squamate reptiles. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2015, 324, 549-561.	1.3	14
13	Amniote yolk sacs: diversity in reptiles and a hypothesis on their origin. International Journal of Developmental Biology, 2014, 58, 889-894.	0.6	16
14	The corn snake yolk sac becomes a solid tissue filled with blood vessels and yolk-rich endodermal cells. Biology Letters, 2014, 10, 20130870.	2.3	17
15	Fetal nutrition in lecithotrophic squamate reptiles: Toward a comprehensive model for evolution of viviparity and placentation. Journal of Morphology, 2013, 274, 824-843.	1.2	44
16	Expression of Calcium Transport Proteins in the Extraembryonic Membranes of a Viviparous Snake, virginia striatula. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2012, 318, 250-256.	1.3	11
17	Placental development and expression of calcium transporting proteins in the extraembryonic membranes of a placentotrophic lizard. Journal of Morphology, 2012, 273, 347-359.	1.2	13
18	Development of yolk sac and chorioallantoic membranes in the Lord Howe Island skink, Oligosoma lichenigerum. Journal of Morphology, 2012, 273, 1163-1184.	1.2	19

#	Article	IF	Citations
19	Developmental expression of calcium transport proteins in extraembryonic membranes of oviparous and viviparous Zootoca vivipara (Lacertilia, Lacertidae). Journal of Experimental Biology, 2011, 214, 2999-3004.	1.7	17
20	Viviparity and Placentation in Snakes. Reproductive Biology and Phylogeny Series, 2011, , 119-181.	1.1	52
21	Placental calcium provision in a lizard with prolonged oviductal egg retention. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 221-227.	1.5	18
22	Embryonic mobilization of calcium in a viviparous reptile: Evidence for a novel pattern of placental calcium secretion. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 156, 147-150.	1.8	12
23	Uterine and eggshell structure and histochemistry in a lizard with prolonged uterine egg retention (Lacertilia, Scincidae, Saiphos). Journal of Morphology, 2010, 271, 1342-1351.	1.2	26
24	Calcium provision to oviparous and viviparous embryos of the reproductively bimodal lizard Lacerta (Zootoca) vivipara. Journal of Experimental Biology, 2009, 212, 2520-2524.	1.7	36
25	Maternal provision and embryonic uptake of calcium in an oviparous and a placentotrophic viviparous Australian lizard (Lacertilia: Scincidae). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, 202-208.	1.8	16
26	Placental ontogeny in Tasmanian snow skinks (genus Niveoscincus) (Lacertilia: Scincidae). Journal of Morphology, 2009, 270, 485-516.	1.2	27
27	Parallel evolution of placentation in Australian scincid lizards. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2009, 312B, 590-602.	1.3	29
28	Uptake of dextran-FITC by epithelial cells of the chorioallantoic placentome and the omphalopleure of the placentotrophic lizard,Pseudemoia entrecasteauxii. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2006, 305A, 883-889.	1.3	15
29	Placentation in the Mexican lizardSceloporus mucronatus (Squamata: Phrynosomatidae). Journal of Morphology, 2005, 264, 286-297.	1.2	23
30	Development of the uterine shell glands during the preovulatory and early gestation periods in oviparous and viviparousLacerta vivipara. Journal of Morphology, 2005, 266, 80-93.	1.2	43
31	Sources and timing of calcium mobilization during embryonic development of the corn snake, Pantherophis guttatus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2004, 139, 335-341.	1.8	24
32	Placental ontogeny of the Tasmanian scincid lizard,Niveoscincus ocellatus (Reptilia: Squamata). Journal of Morphology, 2004, 259, 214-237.	1.2	28
33	Expression of calbindin-D28K by yolk sac and chorioallantoic membranes of the corn snake,Elaphe guttata. The Journal of Experimental Zoology, 2004, 302B, 517-525.	1.4	30
34	Extraembryonic membrane development in a reproductively bimodal lizard, Lacerta (Zootoca) vivipara. Zoology, 2004, 107, 289-314.	1.2	35
35	Ultrastructure of the placentae of the natricine snake,virginia striatula (reptilia: squamata). Journal of Morphology, 2003, 255, 177-201.	1.2	44
36	Do pregnant lizards resorb or abort inviable eggs and embryos? Morphological evidence from an Australian skink,Pseudemoia pagenstecheri. Journal of Morphology, 2003, 256, 219-234.	1.2	19

#	Article	IF	Citations
37	Evolutionary transformations of the fetal membranes of viviparous reptiles: A case study of two lineages. The Journal of Experimental Zoology, 2003, 299A, 13-32.	1.4	54
38	Evolution of viviparity: what can Australian lizards tell us?. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 131, 631-643.	1.6	41
39	Placentation in garter snakes: Scanning EM of the placental membranes ofThamnophis ordinoides andT. sirtalis. Journal of Morphology, 2002, 252, 263-275.	1.2	34
40	Utilisation of nutrients by embryos of the enigmatic Australian viviparous skinkNiveoscincus coventryi. The Journal of Experimental Zoology, 2001, 290, 291-298.	1.4	12
41	Ontogeny of the extraembryonic membranes of the oviparous lizard,Eumeces fasciatus (Squamata:) Tj ETQq1 1 0.784314 rgBT /Overlo		53
42	Evolution of placentation among squamate reptiles: recent research and future directions. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2000, 127, 411-431.	1.8	115
43	Comparison of nutrient transport across the placenta of lizards differing in placental complexity. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2000, 127, 469-479.	1.8	90
44	Placental nutrition in a viviparous lizard (Pseudemoia pagenstecheri) with a complex placenta. Journal of Zoology, 1999, 248, 295-305.	1.7	57
45	Placental ontogeny of the Australian scincid lizardsNiveoscincus coventryiandPseudemoia spenceri. The Journal of Experimental Zoology, 1998, 282, 535-559.	1.4	48
46	MORPHOLOGY AND EVOLUTION OF THE EGG OF OVIPAROUS AMNIOTES. , 1997, , 291-326.		90
47	Embryonic metabolism and growth in lizards of the genus Eumeces. Comparative Biochemistry and Physiology A, Comparative Physiology, 1997, 118, 647-654.	0.6	61
48	Evolution of reptilian placentation: Development of extraembryonic membranes of the Australian scincid lizards,Bassiana duperreyi (Oviparous) andPseudemoia entrecasteauxii (Viviparous). , 1996, 227, 349-370.		95
49	Evolution of reptilian placentation: Development of extraembryonic membranes of the Australian scincid lizards, Bassiana duperreyi (Oviparous) and Pseudemoia entrecasteauxii (Viviparous). Journal of Morphology, 1996, 227, 349-370.	1.2	1
50	Placental structure of the Australian lizard,Niveoscincus metallicus (Squamata: Scincidae). Journal of Morphology, 1994, 220, 223-236.	1.2	64
51	Egg and Clutch Size of the Viviparous Australian Skink, Pseudemoia pagenstecheri and the Identity of Species with Type III Allantoplacentae. Journal of Herpetology, 1994, 28, 519.	0.5	34
52	Embryonic Growth and Calcium Mobilization in Oviposited Eggs of the Scincid Lizard, Eumeces fasciatus. Copeia, 1994, 1994, 493.	1.3	40
53	Yolk sac placentation in reptiles: Structural innovation in a fundamental vertebrate fetal nutritional system. The Journal of Experimental Zoology, 1993, 266, 431-449.	1.4	87
54	Placental Structure and Nutritional Provision to Embryos in Predominantly Lecithotrophic Viviparous Reptiles. American Zoologist, 1992, 32, 303-312.	0.7	74

#	Article	IF	Citations
55	Development of the extraembryonic membranes and histology of the placentae inVirginia striatula (Squamata: Serpentes). Journal of Morphology, 1990, 205, 33-43.	1.2	55
56	Nutritional Provision to Embryos in a Predominantly Lecithotrophic Placental Reptile, Thamnophis ordinoides (Squamata: Serpentes). Physiological Zoology, 1990, 63, 722-734.	1.5	51
57	Facultative Placentotrophy and the Evolution of Squamate Placentation: Quality of Eggs and Neonates in Virginia striatula. American Naturalist, 1989, 133, 111-137.	2.1	95
58	Reptilian Placentation: Structural Diversity and Terminology. Copeia, 1988, 1988, 839.	1.3	76
59	Placentation in the lizardGerrhonotus coeruleus with a comparison to the extraembryonic membranes of the oviparousGerrhonotus multicarinatus (Sauria, Anguidae). Journal of Morphology, 1985, 185, 101-114.	1.2	59
60	Nutritional Provision of the Yolk of Two Species of Viviparous Reptiles. Physiological Zoology, 1984, 57, 377-383.	1.5	66