Anthony M Carter

List of Publications by Year
in descending order

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134 papers	4,260 citations	117453 34 h-index	128067 60 g-index
248 all docs	248 docs citations	248 times ranked	3645 citing authors

#	Article	IF	Citations
1	Evolution of Placental Hormones: Implications for Animal Models. Frontiers in Endocrinology, 2022, 13, .	1.5	5
2	The role of mammalian foetal membranes in early embryogenesis: Lessons from marsupials. Journal of Morphology, 2021, 282, 940-952.	0.6	10
3	Reconciling allometry with physiology: Response to comment on â€œViviparity in the longest living vertebrate, the Greenland shark (Somniosus microcephalus)â€• Placenta, 2021, 103, 244-245.	0.7	0
4	Unique Aspects of Human Placentation. International Journal of Molecular Sciences, 2021, 22, 8099.	1.8	21
5	T. Thomson Flynn and the monotreme egg from oocyte maturation to germ layer formation. Journal of Morphology, 2021, 282, 1015-1023.	0.6	2
6	Classics revisited: Anna Reinstein-Mogilowa's observations on uterine glands and the cytotrophoblastic shell in the first trimester of human pregnancy. Placenta, 2020, 89, 88-90.	0.7	2
7	Viviparity in the longest-living vertebrate, the Greenland shark (Somniosus microcephalus). Placenta, 2020, 97, 26-28.	0.7	5
8	Response to the letter to the Editor: Anna Reinstein-Mogilowa's observations on uterine glands and the cytotrophoblastic shell in the first trimester of human pregnancy. Placenta, 2020, 90, 139.	0.7	0
9	Animal models of human pregnancy and placentation: alternatives to the mouse. Reproduction, 2020, 160, R129-R143.	1.1	61
10	Evolution of placentation in cattle and antelopes. Animal Reproduction, 2020, 16, 3-17.	0.4	0
11	Hans Bluntschli in Berne: Researching reproduction in hedgehog tenrecs (Afrosoricida, Tenrecidae). Journal of Morphology, 2019, 280, 841-848.	0.6	2
12	IFPA meeting 2018 workshop report I: Reproduction and placentation among ocean-living species; placental imaging; epigenetics and extracellular vesicles in pregnancy. Placenta, 2019, 84, 4-8.	0.7	2
13	Evolution of placentation in cattle and antelopes. Animal Reproduction, 2019, 16, 3-17.	0.4	3
14	Gene expression and delayed nephrogenesis in the growthâ€•restricted rat foetus and neonate. Acta Physiologica, 2018, 222, e13000.	1.8	1
15	Classics revisited: Miguel FernÃ¡ndez on germ layer inversion and specific polyembryony in armadillos. Placenta, 2018, 61, 55-60.	0.7	4
16	Recent advances in understanding evolution of the placenta: insights from transcriptomics. F1000Research, 2018, 7, 89.	0.8	12
17	Comparative Placentation. , 2018, , 129-136.		2
18	Classics revisited: C. J. van der Horst on pregnancy and menstruation in elephant shrews. Placenta, 2018, 67, 24-30.	0.7	4

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19	The role of the placenta in the initiation of spiral artery remodelling in an early pregnant chimpanzee uterus. Placenta, 2017, 53, 83-91.	0.7	2
20	Classics revisited: Dietrich Starck on comparative embryology and placentation. Placenta, 2017, 58, 82-85.	0.7	1
21	Placentation in the colugos Cynocephalus volans and Galeopterus variegatus (Dermoptera) and the transition from labyrinthine to villous placentation in primates. Placenta, 2017, 55, 47-53.	0.7	5
22	The evolution of fetal membranes and placentation in carnivores and ungulates (Ferungulata). Animal Reproduction, 2017, 14, 124-135.	0.4	9
23	Placentation in mammals: Definitive placenta, yolk sac, and paraplacenta. Theriogenology, 2016, 86, 278-287.	0.9	48
24	Early studies of placental ultrastructure by electron microscopy. Placenta, 2016, 41, 10-13.	0.7	1
25	Morphology, histochemistry and glycosylation of the placenta and associated tissues in the European hedgehog (Erinaceus europaeus). Placenta, 2016, 48, 1-12.	0.7	2
26	Emil Selenka on the embryonic membranes of the mouse and placentation in gibbons and orangutans. Placenta, 2016, 37, 65-71.	0.7	8
27	IFPA Senior Award Lecture: Mammalian fetal membranes. Placenta, 2016, 48, S21-S30.	0.7	25
28	Placental Gas Exchange and the Oxygen Supply to the Fetus. , 2015, 5, 1381-1403.		53
29	The role of invasive trophoblast in implantation and placentation of primates. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140070.	1.8	119
30	Mammalian Placentation: Implications for Animal Models. , 2014, , 2423-2442.		8
31	Editorial. Placenta, 2014, 35, S1.	0.7	0
32	Editorial. Placenta, 2013, 34, S1.	0.7	0
33	Conservation of placentation during the tertiary radiation of mammals in South America. Journal of Morphology, 2013, 274, 557-569.	0.6	13
34	A new form of rodent placentation in the relict species, Laonastes aenigmamus (Rodentia:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td	0.7	2
35	The Evolution of Epitheliochorial Placentation. Annual Review of Animal Biosciences, 2013, 1, 443-467.	3.6	64
36	Evolution of Placental Function in Mammals: The Molecular Basis of Gas and Nutrient Transfer, Hormone Secretion, and Immune Responses. Physiological Reviews, 2012, 92, 1543-1576.	13.1	170

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37	Review: The evolving placenta: Different developmental paths to a hemochorial relationship. Placenta, 2012, 33, S92-S98.	0.7	39
38	Editorial. Placenta, 2012, 33, S1.	0.7	2
39	Human placentation from nidation to 5 weeks of gestation. Part II: Tools to model the crucial first days. Placenta, 2012, 33, 335-342.	0.7	25
40	Human placentation from nidation to 5 weeks of gestation. Part I: What do we know about formative placental development following implantation?. Placenta, 2012, 33, 327-334.	0.7	164
41	The evolving placenta: Convergent evolution of variations in the endotheliochorial relationship. Placenta, 2012, 33, 319-326.	0.7	35
42	An unusual feature of yolk sac placentation in Necromys lasiurus (Rodentia, Cricetidae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (Si	0.7	8
43	Thomas George Lee â€“ Implantation and early development of North American rodents. Placenta, 2011, 32, 8-10.	0.7	1
44	Editorial. Placenta, 2011, 32, S77.	0.7	0
45	Deep trophoblast invasion and spiral artery remodelling in the placental bed of the chimpanzee. Placenta, 2011, 32, 400-408.	0.7	51
46	Deep trophoblast invasion and spiral artery remodelling in the placental bed of the lowland gorilla. Placenta, 2011, 32, 586-591.	0.7	32
47	Evolution of invasive placentation with special reference to non-human primates. Best Practice and Research in Clinical Obstetrics and Gynaecology, 2011, 25, 249-257.	1.4	92
48	Placentation in Sigmodontinae: a rodent taxon native to South America. Reproductive Biology and Endocrinology, 2011, 9, 55.	1.4	23
49	Comparative studies of placentation and immunology in non-human primates suggest a scenario for the evolution of deep trophoblast invasion and an explanation for human pregnancy disorders. Reproduction, 2011, 141, 391-396.	1.1	67
50	Hans Strahlâ€™s pioneering studies in comparative placentation. Placenta, 2010, 31, 848-852.	0.7	12
51	Placentation in mammals once grouped as insectivores. International Journal of Developmental Biology, 2010, 54, 483-493.	0.3	16
52	Evolution of Factors Affecting Placental Oxygen Transfer. Placenta, 2009, 30, 19-25.	0.7	48
53	Placentation in the Hottentot Golden Mole, Amblysomus hottentotus (Afrosoricida:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102	0.7	8
54	Placentation in the Egyptian Slit-faced Bat Nycteris thebaica (Chiroptera: Nycteridae). Placenta, 2009, 30, 792-799.	0.7	5

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55	Evolution of the Interhaemal Barrier in the Placenta of Rodents. Placenta, 2009, 30, 914-918.	0.7	17
56	Growth and development of the placenta in the capybara (Hydrochaeris hydrochaeris). Reproductive Biology and Endocrinology, 2009, 7, 57.	1.4	27
57	Evolution of the placenta and associated reproductive characters in bats. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2008, 310B, 428-449.	0.6	23
58	Sources for Comparative Studies of Placentation I. Embryological Collections. Placenta, 2008, 29, 95-98.	0.7	16
59	Female Reproductive Tract and Placentation in Sucker-Footed Bats (Chiroptera: Myzopodidae) Endemic to Madagascar. Placenta, 2008, 29, 484-491.	0.7	9
60	What Fossils Can Tell Us About the Evolution of Viviparity and Placentation. Placenta, 2008, 29, 930-931.	0.7	9
61	Placentation in the Amazonian manatee (Trichechus inunguis). Reproduction, Fertility and Development, 2008, 20, 537.	0.1	16
62	Maintaining the integrity of trophoblast during growth of the placenta. Focus on â€œInsulin-like growth factor I and II regulate the life cycle of trophoblast in the developing human placentaâ€• American Journal of Physiology - Cell Physiology, 2008, 294, C1303-C1304.	2.1	3
63	Placentation in cloned cattle: Structure and microvascular architecture. Theriogenology, 2007, 68, 604-617.	0.9	73
64	Placentation in dolphins from the Amazon River Basin: the Boto, Inia geoffrensis, and the Tucuxi, Sotalia fluviatilis. Reproductive Biology and Endocrinology, 2007, 5, 26.	1.4	14
65	Glycosylation at the Fetomaternal Interface in Hemomonochorial Placentae from Five Widely Separated Species of Mammal: Is There Evidence for Convergent Evolution?. Cells Tissues Organs, 2007, 185, 269-284.	1.3	39
66	Evolution of the placenta during the early radiation of placental mammals. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 148, 769-779.	0.8	82
67	Evolution of the Placenta in Eutherian Mammals. Placenta, 2007, 28, 259-262.	0.7	80
68	Placental Diversity in Malagasy Tenrecs: Placentation in Shrew Tenrecs (Microgale spp.), The Mole-Like Rice Tenrec (Oryzorictes hova) and The Web-Footed Tenrec (Limnogale mergulus). Placenta, 2007, 28, 748-759.	0.7	15
69	Animal Models of Human Placentation â€“ A Review. Placenta, 2007, 28, S41-S47.	0.7	463
70	The subplacenta of the red-rumped agouti (Dasyprocta leporina L). Reproductive Biology and Endocrinology, 2006, 4, 31.	1.4	32
71	Placentation in the rock cavy, Kerodon rupestris (Wied). Placenta, 2006, 27, 87-97.	0.7	36
72	The Expression of Insulin-like Growth Factor and Insulin-like Growth Factor Binding Protein mRNAs in Mouse Placenta. Placenta, 2006, 27, 278-290.	0.7	29

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73	The Fetal Membranes of the Otter Shrews and a Synapomorphy for Afrotheria. Placenta, 2006, 27, 258-268.	0.7	27
74	Comparative Placentation: Some Interesting Modifications for Histotrophic Nutrition â€“ A Review. Placenta, 2006, 27, 11-16.	0.7	95
75	Evolutionary transformations of fetal membrane characters in Eutheria with special reference to Afrotheria. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2006, 306B, 140-163.	0.6	148
76	Adrenomedullin expression during hypoxia in fetal sheep. Acta Physiologica Scandinavica, 2005, 183, 219-228.	2.3	4
77	Development of the haemophagous region and labyrinth of the placenta of the tenrec, Echinops telfairi. Placenta, 2005, 26, 251-261.	0.7	22
78	Placentation in an American mole, Scalopus aquaticus. Placenta, 2005, 26, 597-600.	0.7	11
79	Altered expression of IGFs and IGF-binding proteins during intrauterine growth restriction in guinea pigs. Journal of Endocrinology, 2005, 184, 179-189.	1.2	42
80	Placentation in the paca (Agouti paca L). Reproductive Biology and Endocrinology, 2005, 3, 9.	1.4	29
81	Structure of the Ovaries of the Nimba Otter Shrew, Micropotamogale lamottei, and the Madagascar Hedgehog Tenrec, Echinops telfairi. Cells Tissues Organs, 2005, 179, 179-191.	1.3	4
82	Structure of the Definitive Placenta of the Tenrec, Echinops telfairi. Placenta, 2004, 25, 218-232.	0.7	37
83	Vascular Organization of the Hystricomorph Placenta: a Comparative Study in the Agouti, Capybara, Guinea Pig, Paca and Rock Cavy. Placenta, 2004, 25, 438-448.	0.7	48
84	What Can Comparative Studies of Placental Structure Tell Us?â€"A Review. Placenta, 2004, 25, S3-S9.	0.7	121
85	Placenta and fetal membranes of the four-toed elephant shrew, Petrodromus tetradactylus. Placenta, 2004, 25, 803-809.	0.7	9
86	Comparative aspects of trophoblast development and placentation. Reproductive Biology and Endocrinology, 2004, 2, 46.	1.4	196
87	Specialist lifeâ€"Anthony M. Carter. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2004, 115, 119-120.	0.5	0
88	Placentation in species of phylogenetic importance: the Afrotheria. Animal Reproduction Science, 2004, 82-83, 35-48.	0.5	22
89	Vascular Reactivity of the Preplacental Vasculature in Guinea Pigs. Placenta, 2003, 24, 686-697.	0.7	8
90	Relaxin is a vasodilator hormone. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 283, R347-R348.	0.9	13

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91	Placentation in the Capybara (Hydrochaerus hydrochaeris), Agouti (Dasyprocta aguti) and Paca (Agouti paca). Placenta, 2002, 23, 416-428.	0.7	42
92	Adrenocorticotrophic hormone (ACTH) stimulation of sheep fetal adrenal cortex can occur without increased expression of ACTH receptor (ACTH-R) mRNA. Reproduction, Fertility and Development, 2002, 14, 1.	0.1	12
93	Control of growth and development of the feto-placental unit. Current Opinion in Pharmacology, 2001, 1, 632-640.	1.7	45
94	Evolution of the Placenta and Fetal Membranes Seen in the Light of Molecular Phylogenetics. Placenta, 2001, 22, 800-807.	0.7	76
95	Spatial and Temporal Patterns of Expression of Messenger RNA for Insulin-Like Growth Factors and their Binding Proteins in the Placenta of Man and Laboratory Animals. Placenta, 2000, 21, 289-305.	0.7	165
96	Placental Oxygen Consumption. Part I: In Vivo Studiesâ€"A Review. Placenta, 2000, 21, S31-S37.	0.7	152
97	Ontogeny of Expression of Insulin-like Growth Factor (IGF) and IGF Binding Protein mRNAs in the Guinea-pig Placenta and Uterus. Placenta, 1999, 20, 361-377.	0.7	23
98	J. P. Hill on Placentation in Primates. Placenta, 1999, 20, 513-517.	0.7	14
99	Regulation of maternal placental blood flow. Placenta, 1999, 20, 271-291.	0.7	4
100	Placental oxygen transfer and the oxygen supply to the fetus. Fetal and Maternal Medicine Review, 1999, 11, 151-161.	0.3	13
101	Few autacoids have a proven role in the physiological regulation of fetal placental blood flow. Placenta, 1998, 19, 279-297.	0.7	3
102	Immunohistochemical identification of epithelial and mesenchymal cell types in the chorioallantoic and yolk sac placentae of the guinea-pig. Placenta, 1998, 19, 489-500.	0.7	35
103	Vasodilator response to exogenous adrenocorticotropic hormone in fetal adrenal cortex precedes increased steroidogenesis in sheep at 105â€"112 days gestation. European Journal of Obstetrics, Gynecology and Reproductive Biology, 1998, 81, 87-94.	0.5	4
104	Calibration of a reflectance pulse oximeter in fetal lambs for arterial oxygen saturations below 70%â˜†. Journal of the Society for Gynecologic Investigation, 1998, 5, 255-259.	1.9	8
105	Cell Populations in the Bone Marrow of Guinea Pig Fetuses with Intrauterine Growth Retardation. Pediatric Pathology & Laboratory Medicine: Journal of the Society for Pediatric Pathology, Affiliated With the International Paediatric Pathology Association, 1997, 17, 561-568.	0.3	0
106	When is the maternal placental circulation established in man?. Placenta, 1997, 18, 83-87.	0.7	42
107	CELL POPULATIONS IN THE BONE MARROW OF GUINEA PIG FETUSES WITH INTRAUTERINE GROWTH RETARDATION. Pediatric Pathology & Laboratory Medicine: Journal of the Society for Pediatric Pathology, Affiliated With the International Paediatric Pathology Association, 1997, 17, 561-568.	0.3	0
108	Catecholamine and serotonin concentrations in fetal guinea-pig brain: relation to regional cerebral blood flow and oxygen delivery in the growth-restricted fetus. Reproduction, Fertility and Development, 1996, 8, 355.	0.1	36

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109	Effect of Fetal Growth Restriction on System A Amino Acid Transporter Activity in the Maternal Facing Plasma Membrane of Rat Syncytiotrophoblast. Pediatric Research, 1996, 40, 325-329.	1.1	26
110	Effect of arginine vasopressin on regional adrenal blood flow and plasma cortisol concentration in fetal sheep. European Journal of Obstetrics, Gynecology and Reproductive Biology, 1995, 62, 235-239.	0.5	2
111	Local transfer of hormones between blood vessels within the adrenal gland may explain the functional interaction between the adrenal cortex and medulla. Medical Hypotheses, 1995, 44, 471-474.	0.8	16
112	The rate of blood flow through the inverted yolk sac placenta of the anaesthetized guinea-pig. Placenta, 1993, 14, 41-49.	0.7	4
113	Restriction of placental and fetal growth in the guinea-pig. Placenta, 1993, 14, 125-135.	0.7	28
114	Hepatic Histology in Intrauterine Growth Retardation Following Uterine Artery Ligation in the Guinea Pig. Pediatric Pathology, 1993, 13, 763-772.	0.5	11
115	The Metabolism of Free Fatty Acids and Triacylglycerols by the Fetal Liver in a Guinea Pig Model of Intrauterine Growth Retardation. Pediatric Research, 1992, 32, 441-446.	1.1	9
116	Gastrin releasing peptide immunoreactivity (GRP-IR) is present in amniotic fluid and fetal and maternal circulations of sheep. Regulatory Peptides, 1992, 40, 147.	1.9	0
117	Regional brain blood flow and oxygen supply in guinea pig fetuses near term. European Journal of Obstetrics, Gynecology and Reproductive Biology, 1991, 42, 71-76.	0.5	0
118	Influence of Injectable Anaesthetic Combinations on Blood Gas Tensions and Acidâ€"Base Status in Laboratory Rats. Acta Pharmacologica Et Toxicologica, 1985, 57, 1-7.	0.0	22
119	Vasoactive intestinal polypeptide and endometrial blood flow in the goat. Animal Reproduction Science, 1983, 6, 217-222.	0.5	5
120	Continuous measurement of blood gas tensions in the fetal guinea pig by mass spectrometry. Journal of Perinatal Medicine, 1982, 10, 226-232.	0.6	4
121	Effects of VIP in the Female Genital Tract. Endocrinologia Japonica, 1980, 27, 71-78.	0.5	8
122	Myoendothelial and placental blood flow responses to ritodrine infusion in the guinea pig. American Journal of Obstetrics and Gynecology, 1979, 135, 318-321.	0.7	12
123	Effect of terbutaline sulphate on ovarian, uterine and maternal placental blood flow in the anaesthetized guinea pig. European Journal of Pharmacology, 1978, 53, 57-62.	1.7	6
124	Actions of a New Vasopressin Analogue (1â€deaminoâ€6â€carbaâ€[8â€arginine]â€vasopressin) on Regional Blood Flow in Pregnant Guinea Pigs. Acta Pharmacologica Et Toxicologica, 1978, 43, 190-195.	0.0	1
125	Effect of 1-deamini-6-carba-(8-arginine)-vasopressin on organ blood flow in the female guinea pig. European Journal of Pharmacology, 1977, 46, 25-30.	1.7	6
126	A Technique for Monitoring Endometrial or Decidual Blood flow with an Intra-Uterine Thermistor Probe. Acta Obstetricia Et Gynecologica Scandinavica, 1975, 54, 469-477.	1.3	31

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127	Toxicity of Roentgen Contrast Media at Selective Injection into the Coronary Artery in the Rabbit. Investigative Radiology, 1975, 10, 73-78.	3.5	7
128	Selective Catheterization of the Coronary Arteries in the Rabbit. Investigative Radiology, 1973, 8, 350-353.	3.5	3
129	Pelvic Angiography in the Female Rabbit. Investigative Radiology, 1969, 4, 45-49.	3.5	4
130	Some Aspects of Vasopressin's Effect on Uteroplacental Circulation in the Rabbit. Acta Obstetricia Et Gynecologica Scandinavica, 1969, 48, 132-133.	1.3	1
131	The Effect of Vasopressin on Myometrial Blood Flow in the Pregnant Rabbit. Acta Pharmacologica Et Toxicologica, 1967, 26, 29-34.	0.0	5
132	Effects of Vasopressin on Uterine Blood Flow in the Rabbit. Acta Pharmacologica Et Toxicologica, 1966, 24, 435-442.	0.0	5
133	Trophoblast invasion and uterine artery remodelling in primates. , 0, , 92-101.		1
134	Evolution of placental structure and function in ruminants. Bioscientifica Proceedings, 0, , .	1.0	0