

Anthony M Carter

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

125
papers

3,451
citations

32
h-index

55
g-index

246
ext. papers

3,850
ext. citations

3.3
avg, IF

6.04
L-index

#	Paper	IF	Citations
125	The role of mammalian foetal membranes in early embryogenesis: Lessons from marsupials. <i>Journal of Morphology</i> , 2021 , 282, 940-952	1.6	8
124	Reconciling allometry with physiology: Response to comment on "Viviparity in the longest living vertebrate, the Greenland shark (<i>Somniosus microcephalus</i>)". <i>Placenta</i> , 2021 , 103, 244-245	3.4	
123	Unique Aspects of Human Placentation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
122	T. Thomson Flynn and the monotreme egg from oocyte maturation to germ layer formation. <i>Journal of Morphology</i> , 2021 , 282, 1015-1023	1.6	1
121	Viviparity in the longest-living vertebrate, the Greenland shark (<i>Somniosus microcephalus</i>). <i>Placenta</i> , 2020 , 97, 26-28	3.4	3
120	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. <i>Placenta</i> , 2020 , 90, 139	3.4	
119	Animal models of human pregnancy and placentation: alternatives to the mouse. <i>Reproduction</i> , 2020 , 160, R129-R143	3.8	15
118	Evolution of placentation in cattle and antelopes. <i>Animal Reproduction</i> , 2020 , 16, 3-17	1.7	
117	Classics revisited: Anna Reinstein-Mogilowa's observations on uterine glands and the cytotrophoblastic shell in the first trimester of human pregnancy. <i>Placenta</i> , 2020 , 89, 88-90	3.4	1
116	Hans Bluntschli in Berne: Researching reproduction in hedgehog tenrecs (<i>Afrosoricida</i> , <i>Tenrecidae</i>). <i>Journal of Morphology</i> , 2019 , 280, 841-848	1.6	1
115	IFPA meeting 2018 workshop report I: Reproduction and placentation among ocean-living species; placental imaging; epigenetics and extracellular vesicles in pregnancy. <i>Placenta</i> , 2019 , 84, 4-8	3.4	2
114	Classics revisited: Miguel Fernández on germ layer inversion and specific polyembryony in armadillos. <i>Placenta</i> , 2018 , 61, 55-60	3.4	4
113	Recent advances in understanding evolution of the placenta: insights from transcriptomics. <i>F1000Research</i> , 2018 , 7, 89	3.6	9
112	Comparative Placentation 2018 , 129-136		2
111	Classics revisited: C. J. van der Horst on pregnancy and menstruation in elephant shrews. <i>Placenta</i> , 2018 , 67, 24-30	3.4	3
110	The role of the placenta in the initiation of spiral artery remodelling in an early pregnant chimpanzee uterus. <i>Placenta</i> , 2017 , 53, 83-91	3.4	2
109	Classics revisited: Dietrich Starck on comparative embryology and placentation. <i>Placenta</i> , 2017 , 58, 82-85.	4	1

108	Placentation in the colugos <i>Cynocephalus volans</i> and <i>Galeopterus variegatus</i> (Dermoptera) and the transition from labyrinthine to villous placentation in primates. <i>Placenta</i> , 2017 , 55, 47-53	3.4	4
107	The evolution of fetal membranes and placentation in carnivores and ungulates (Ferungulata). <i>Animal Reproduction</i> , 2017 , 14, 124-135	1.7	4
106	Morphology, histochemistry and glycosylation of the placenta and associated tissues in the European hedgehog (<i>Erinaceus europaeus</i>). <i>Placenta</i> , 2016 , 48, 1-12	3.4	1
105	Emil Selenka on the embryonic membranes of the mouse and placentation in gibbons and orangutans. <i>Placenta</i> , 2016 , 37, 65-71	3.4	8
104	IFPA Senior Award Lecture: Mammalian fetal membranes. <i>Placenta</i> , 2016 , 48 Suppl 1, S21-S30	3.4	22
103	Placentation in mammals: Definitive placenta, yolk sac, and paraplacenta. <i>Theriogenology</i> , 2016 , 86, 278-283	3.3	36
102	Early studies of placental ultrastructure by electron microscopy. <i>Placenta</i> , 2016 , 41, 10-3	3.4	1
101	The role of invasive trophoblast in implantation and placentation of primates. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20140070	5.8	80
100	Placental Gas Exchange and the Oxygen Supply to the Fetus. <i>Comprehensive Physiology</i> , 2015 , 5, 1381-4037	3.7	32
99	Mammalian Placentation: Implications for Animal Models 2014 , 2423-2442		3
98	Conservation of placentation during the tertiary radiation of mammals in South America. <i>Journal of Morphology</i> , 2013 , 274, 557-69	1.6	9
97	A new form of rodent placentation in the relict species, <i>Laonastes aenigmamus</i> (Rodentia: Diatomyidae). <i>Placenta</i> , 2013 , 34, 548-58	3.4	2
96	The evolution of epitheliochorial placentation. <i>Annual Review of Animal Biosciences</i> , 2013 , 1, 443-67	13.7	48
95	Review: The evolving placenta: different developmental paths to a hemochorial relationship. <i>Placenta</i> , 2012 , 33 Suppl, S92-8	3.4	34
94	Human placentation from nidation to 5 weeks of gestation. Part II: Tools to model the crucial first days. <i>Placenta</i> , 2012 , 33, 335-42	3.4	21
93	Human placentation from nidation to 5 weeks of gestation. Part I: What do we know about formative placental development following implantation?. <i>Placenta</i> , 2012 , 33, 327-34	3.4	119
92	The evolving placenta: convergent evolution of variations in the endotheliochorial relationship. <i>Placenta</i> , 2012 , 33, 319-26	3.4	29
91	An unusual feature of yolk sac placentation in <i>Necromys lasiurus</i> (Rodentia, Cricetidae, Sigmodontinae). <i>Placenta</i> , 2012 , 33, 578-80	3.4	7

90	Evolution of placental function in mammals: the molecular basis of gas and nutrient transfer, hormone secretion, and immune responses. <i>Physiological Reviews</i> , 2012 , 92, 1543-76	47.9	138
89	Thomas George Lee - Implantation and early development of North American rodents. <i>Placenta</i> , 2011 , 32, 8-10	3.4	1
88	Deep trophoblast invasion and spiral artery remodelling in the placental bed of the chimpanzee. <i>Placenta</i> , 2011 , 32, 400-8	3.4	42
87	Deep trophoblast invasion and spiral artery remodelling in the placental bed of the lowland gorilla. <i>Placenta</i> , 2011 , 32, 586-91	3.4	27
86	Evolution of invasive placentation with special reference to non-human primates. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2011 , 25, 249-57	4.6	64
85	Placentation in Sigmodontinae: a rodent taxon native to South America. <i>Reproductive Biology and Endocrinology</i> , 2011 , 9, 55	5	20
84	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. <i>Reproduction</i> , 2011 , 141, 391-6	3.8	42
83	Placentation in mammals once grouped as insectivores. <i>International Journal of Developmental Biology</i> , 2010 , 54, 483-93	1.9	15
82	Hans Strahl's pioneering studies in comparative placentation. <i>Placenta</i> , 2010 , 31, 848-52	3.4	11
81	Evolution of factors affecting placental oxygen transfer. <i>Placenta</i> , 2009 , 30 Suppl A, S19-25	3.4	43
80	Placentation in the Hottentot golden mole, <i>Amblysomus hottentotus</i> (Afrosoricida: Chrysochloridae). <i>Placenta</i> , 2009 , 30, 571-8	3.4	8
79	Placentation in the Egyptian slit-faced bat <i>Nycteris thebaica</i> (Chiroptera: Nycteridae). <i>Placenta</i> , 2009 , 30, 792-9	3.4	5
78	Evolution of the interhaemal barrier in the placenta of rodents. <i>Placenta</i> , 2009 , 30, 914-8	3.4	12
77	Growth and development of the placenta in the capybara (<i>Hydrochaeris hydrochaeris</i>). <i>Reproductive Biology and Endocrinology</i> , 2009 , 7, 57	5	24
76	Sources for comparative studies of placentation I. embryological collections. <i>Placenta</i> , 2008 , 29, 95-8	3.4	15
75	Female reproductive tract and placentation in sucker-footed bats (Chiroptera: Myzopodidae) endemic to Madagascar. <i>Placenta</i> , 2008 , 29, 484-91	3.4	7
74	What fossils can tell us about the evolution of viviparity and placentation. <i>Placenta</i> , 2008 , 29, 930-1	3.4	9
73	Placentation in the Amazonian manatee (<i>Trichechus inunguis</i>). <i>Reproduction, Fertility and Development</i> , 2008 , 20, 537-45	1.8	15

72	Maintaining the integrity of trophoblast during growth of the placenta. Focus on "Insulin-like growth factor I and II regulate the life cycle of trophoblast in the developing human placenta". <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 294, C1303-4	5.4	3
71	Evolution of the placenta and associated reproductive characters in bats. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2008 , 310, 428-49	1.8	18
70	Placentation in dolphins from the Amazon River Basin: the Boto, <i>Inia geoffrensis</i> , and the Tucuxi, <i>Sotalia fluviatilis</i> . <i>Reproductive Biology and Endocrinology</i> , 2007 , 5, 26	5	12
69	Glycosylation at the fetomaternal interface in hemomonochorial placentae from five widely separated species of mammal: is there evidence for convergent evolution?. <i>Cells Tissues Organs</i> , 2007 , 185, 269-84	2.1	36
68	Evolution of the placenta during the early radiation of placental mammals. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007 , 148, 769-79	2.6	67
67	Evolution of the placenta in eutherian mammals. <i>Placenta</i> , 2007 , 28, 259-62	3.4	69
66	Placental diversity in malagasy tenrecs: placentation in shrew tenrecs (<i>Microgale</i> spp.), the mole-like rice tenrec (<i>Oryzorictes hova</i>) and the web-footed tenrec (<i>Limnogale mergulus</i>). <i>Placenta</i> , 2007 , 28, 748-59	3.4	12
65	Animal models of human placentation--a review. <i>Placenta</i> , 2007 , 28 Suppl A, S41-7	3.4	387
64	Placentation in cloned cattle: structure and microvascular architecture. <i>Theriogenology</i> , 2007 , 68, 604-17	2.8	65
63	Placentation in the rock cavy, <i>Kerodon rupestris</i> (Wied). <i>Placenta</i> , 2006 , 27, 87-97	3.4	33
62	The expression of insulin-like growth factor and insulin-like growth factor binding protein mRNAs in mouse placenta. <i>Placenta</i> , 2006 , 27, 278-90	3.4	24
61	The fetal membranes of the otter shrews and a synapomorphy for afrotheria. <i>Placenta</i> , 2006 , 27, 258-68	3.4	25
60	Comparative placentation: some interesting modifications for histotrophic nutrition -- a review. <i>Placenta</i> , 2006 , 27 Suppl A, S11-6	3.4	85
59	Evolutionary transformations of fetal membrane characters in Eutheria with special reference to Afrotheria. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2006 , 306, 140-63	1.8	123
58	The subplacenta of the red-rumped agouti (<i>Dasyprocta leporina</i> L). <i>Reproductive Biology and Endocrinology</i> , 2006 , 4, 31	5	26
57	Placentation in the paca (<i>Agouti paca</i> L). <i>Reproductive Biology and Endocrinology</i> , 2005 , 3, 9	5	26
56	Structure of the ovaries of the Nimba otter shrew, <i>Micropotamogale lamottei</i> , and the Madagascar hedgehog tenrec, <i>Echinops telfairi</i> . <i>Cells Tissues Organs</i> , 2005 , 179, 179-91	2.1	4
55	Adrenomedullin expression during hypoxia in fetal sheep. <i>Acta Physiologica Scandinavica</i> , 2005 , 183, 219-28		4

54	Development of the haemophagous region and labyrinth of the placenta of the tenrec, <i>Echinops telfairi</i> . <i>Placenta</i> , 2005 , 26, 251-61	3.4	20
53	Placentation in an American mole, <i>Scalopus aquaticus</i> . <i>Placenta</i> , 2005 , 26, 597-600	3.4	11
52	Altered expression of IGFs and IGF-binding proteins during intrauterine growth restriction in guinea pigs. <i>Journal of Endocrinology</i> , 2005 , 184, 179-89	4.7	32
51	Structure of the definitive placenta of the tenrec, <i>Echinops telfairi</i> . <i>Placenta</i> , 2004 , 25, 218-32	3.4	34
50	Vascular organization of the hystricomorph placenta: a comparative study in the agouti, capybara, guinea pig, paca and rock cavy. <i>Placenta</i> , 2004 , 25, 438-48	3.4	40
49	What can comparative studies of placental structure tell us?--A review. <i>Placenta</i> , 2004 , 25 Suppl A, S3-9	3.4	102
48	Placenta and fetal membranes of the four-toed elephant shrew, <i>Petrodromus tetradactylus</i> . <i>Placenta</i> , 2004 , 25, 803-9	3.4	8
47	Comparative aspects of trophoblast development and placentation. <i>Reproductive Biology and Endocrinology</i> , 2004 , 2, 46	5	154
46	Placentation in species of phylogenetic importance: the Afrotheria. <i>Animal Reproduction Science</i> , 2004 , 82-83, 35-48	2.1	19
45	Vascular reactivity of the preplacental vasculature in Guinea pigs. <i>Placenta</i> , 2003 , 24, 686-97	3.4	8
44	Relaxin is a vasodilator hormone. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 283, R347-8	3.2	8
43	Placentation in the capybara (<i>Hydrochaerus hydrochaeris</i>), Agouti (<i>Dasyprocta aguti</i>) and paca (<i>Agouti paca</i>). <i>Placenta</i> , 2002 , 23, 416-28	3.4	38
42	Adrenocorticotrophic hormone (ACTH) stimulation of sheep fetal adrenal cortex can occur without increased expression of ACTH receptor (ACTH-R) mRNA. <i>Reproduction, Fertility and Development</i> , 2002 , 14, 1-6	1.8	11
41	Evolution of the placenta and fetal membranes seen in the light of molecular phylogenetics. <i>Placenta</i> , 2001 , 22, 800-7	3.4	67
40	Control of growth and development of the feto-placental unit. <i>Current Opinion in Pharmacology</i> , 2001 , 1, 632-40	5.1	40
39	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. <i>Placenta</i> , 2000 , 21, 289-305	3.4	147
38	Placental oxygen consumption. Part I: in vivo studies--a review. <i>Placenta</i> , 2000 , 21 Suppl A, S31-7	3.4	121
37	Ontogeny of expression of insulin-like growth factor (IGF) and IGF binding protein mRNAs in the guinea-pig placenta and uterus. <i>Placenta</i> , 1999 , 20, 361-77	3.4	22

36	J. P. Hill on placentation in primates. <i>Placenta</i> , 1999 , 20, 513-7	3.4	12
35	Regulation of maternal placental blood flow: A review. <i>Placenta</i> , 1999 , 20, 271-291	3.4	1
34	Placental oxygen transfer and the oxygen supply to the fetus. <i>Fetal and Maternal Medicine Review</i> , 1999 , 11, 151-161		13
33	Few autacoids have a proven role in the physiological regulation of fetal placental blood flow: A review. <i>Placenta</i> , 1998 , 19, 279-297	3.4	1
32	Immunohistochemical identification of epithelial and mesenchymal cell types in the chorioallantoic and yolk sac placentae of the guinea-pig. <i>Placenta</i> , 1998 , 19, 489-500	3.4	30
31	Vasodilator response to exogenous adrenocorticotrophic hormone in fetal adrenal cortex precedes increased steroidogenesis in sheep at 105-112 days gestation. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 1998 , 81, 87-94	2.4	3
30	Calibration of a reflectance pulse oximeter in fetal lambs for arterial oxygen saturations below 70%. <i>Journal of the Society for Gynecologic Investigation</i> , 1998 , 5, 255-9		5
29	Cell Populations in the Bone Marrow of Guinea Pig Fetuses with Intrauterine Growth Retardation. <i>Pediatric Pathology & Laboratory Medicine: Journal of the Society for Pediatric Pathology, Affiliated With the International Paediatric Pathology Association</i> , 1997 , 17, 561-568		
28	When is the maternal placental circulation established in man? 1941. <i>Placenta</i> , 1997 , 18, 83-7	3.4	38
27	CELL POPULATIONS IN THE BONE MARROW OF GUINEA PIG FETUSES WITH INTRAUTERINE GROWTH RETARDATION. <i>Pediatric Pathology & Laboratory Medicine: Journal of the Society for Pediatric Pathology, Affiliated With the International Paediatric Pathology Association</i> , 1997 , 17, 561-568		
26	Effect of fetal growth restriction on system A amino acid transporter activity in the maternal facing plasma membrane of rat syncytiotrophoblast. <i>Pediatric Research</i> , 1996 , 40, 325-9	3.2	21
25	Catecholamine and serotonin concentrations in fetal guinea-pig brain: relation to regional cerebral blood flow and oxygen delivery in the growth-restricted fetus. <i>Reproduction, Fertility and Development</i> , 1996 , 8, 355-64	1.8	32
24	Effect of arginine vasopressin on regional adrenal blood flow and plasma cortisol concentration in fetal sheep. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 1995 , 62, 235-9	2.4	2
23	Local transfer of hormones between blood vessels within the adrenal gland may explain the functional interaction between the adrenal cortex and medulla. <i>Medical Hypotheses</i> , 1995 , 44, 471-4	3.8	13
22	The rate of blood flow through the inverted yolk sac placenta of the anesthetized guinea-pig. <i>Placenta</i> , 1993 , 14, 41-9	3.4	4
21	Current topic: restriction of placental and fetal growth in the guinea-pig. <i>Placenta</i> , 1993 , 14, 125-35	3.4	23
20	Hepatic histology in intrauterine growth retardation following uterine artery ligation in the guinea pig. <i>Pediatric Pathology</i> , 1993 , 13, 763-72		8
19	The metabolism of free fatty acids and triacylglycerols by the fetal liver in a guinea pig model of intrauterine growth retardation. <i>Pediatric Research</i> , 1992 , 32, 441-6	3.2	6

18	Regional brain blood flow and oxygen supply in guinea pig fetuses near term. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 1991 , 42, 71-6	2.4	
17	Influence of injectable anaesthetic combinations on blood gas tensions and acid-base status in laboratory rats. <i>Acta Pharmacologica Et Toxicologica</i> , 1985 , 57, 1-7		19
16	Vasoactive intestinal polypeptide and endometrial blood flow in the goat. <i>Animal Reproduction Science</i> , 1983 , 6, 217-222	2.1	5
15	Continuous measurement of blood gas tensions in the fetal guinea pig by mass spectrometry. <i>Journal of Perinatal Medicine</i> , 1982 , 10, 226-32	2.7	3
14	Effects of VIP in the female genital tract. <i>Endocrinologia Japonica</i> , 1980 , 27 Suppl 1, 71-8		6
13	Myoendothelial and placental blood flow responses to ritodrine infusion in the guinea pig. <i>American Journal of Obstetrics and Gynecology</i> , 1979 , 135, 318-21	6.4	11
12	Actions of a new vasopressin analogue (1-deamino-6-carba-[8-arginine]-vasopressin) on regional blood flow in pregnant guinea pigs. <i>Acta Pharmacologica Et Toxicologica</i> , 1978 , 43, 190-5		1
11	Effect of terbutaline sulphate on ovarian, uterine and maternal placental blood flow in the anesthetized guinea pig. <i>European Journal of Pharmacology</i> , 1978 , 53, 57-62	5.3	6
10	Effect of 1-deamino-6-carba- (8-arginine)- vasopressin on organ blood flow in the female guinea pig. <i>European Journal of Pharmacology</i> , 1977 , 46, 25-30	5.3	4
9	A technique for monitoring endometrial or decidual blood flow with an intra-uterine thermistor probe. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 1975 , 54, 469-77	3.8	22
8	Toxicity of Roentgen Contrast Media at Selective injection into the coronary artery in the rabbit. <i>Investigative Radiology</i> , 1975 , 10, 73-8	10.1	7
7	Selective catheterization of the coronary arteries in the rabbit. <i>Investigative Radiology</i> , 1973 , 8, 350-3	10.1	3
6	Pelvic angiography in the female rabbit. <i>Investigative Radiology</i> , 1969 , 4, 45-9	10.1	3
5	Some aspects of vasopressin effect on uteroplacental circulation in the rabbit. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 1969 , 48, 132-3	3.8	0
4	The effect of vasopressin on myometrial blood flow in the pregnant rabbit. <i>Acta Pharmacologica Et Toxicologica</i> , 1968 , 26, 29-34		3
3	Effects of vasopressin on uterine blood flow in the rabbit. <i>Acta Pharmacologica Et Toxicologica</i> , 1966 , 24, 435-42		5
2	Comparative anatomy and placental evolution 109-126		4
1	Trophoblast invasion and uterine artery remodelling in primates 92-101		1

