

# John C Rodger

## List of Publications by Year in descending order

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75  
papers

1,184  
citations

361045

20  
h-index

476904

29  
g-index

75  
all docs

75  
docs citations

75  
times ranked

625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mammalian hair as an accumulative bioindicator of metal bioavailability in Australian terrestrial environments. <i>Science of the Total Environment</i> , 2009, 407, 3588-3596.	3.9	63
2	Studies of the accessory glands of male marsupials. <i>Australian Journal of Zoology</i> , 1973, 21, 303.	0.6	53
3	Reintroducing rewilding to restoration â€“ Rejecting the search for novelty. <i>Biological Conservation</i> , 2019, 233, 255-259.	1.9	49
4	Hormones of oestrus and ovulation and their manipulation in marsupials. <i>Reproduction, Fertility and Development</i> , 1996, 8, 661.	0.1	44
5	LACK OF A REQUIREMENT FOR A MATERNAL HUMORAL IMMUNE RESPONSE TO ESTABLISH OR MAINTAIN SUCCESSFUL ALLOGENEIC PREGNANCY. <i>Transplantation</i> , 1985, 40, 372-375.	0.5	41
6	Artificial insemination in marsupials. <i>Theriogenology</i> , 2009, 71, 176-189.	0.9	35
7	Integrating biobanking minimises inbreeding and produces significant cost benefits for a threatened frog captive breeding programme. <i>Conservation Letters</i> , 2021, 14, e12776.	2.8	33
8	Glycosidase and cumulus dispersal activities of acrosomal extracts from opossum (marsupial) and rabbit (eutherian) spermatozoa. <i>Gamete Research</i> , 1981, 4, 507-514.	1.7	31
9	Pellet-freezing spermatozoa of two marsupials: the tammar wallaby, <i>Macropus eugenii</i> , and the brushtail possum, <i>Trichosurus vulpecula</i> . <i>Reproduction, Fertility and Development</i> , 1996, 8, 681.	0.1	31
10	Further observations of the ovarian response of the tammar wallaby ( <i>Macropus eugenii</i> ) to exogenous gonadotrophins: an improved method for superovulation using FSH/LH. <i>Animal Reproduction Science</i> , 1998, 53, 253-263.	0.5	30
11	Immunocontraception of Eastern Grey kangaroos ( <i>Macropus giganteus</i> ) with recombinant brushtail possum ( <i>Trichosurus vulpecula</i> ) ZP3 protein. <i>Journal of Reproductive Immunology</i> , 2009, 79, 156-162.	0.8	27
12	The unique stability of the marsupial sperm acrosomal membranes examined by unprotected freeze-thawing and treatment with the detergent Triton X-100. <i>Reproduction, Fertility and Development</i> , 1993, 5, 1.	0.1	26
13	Spermiogenesis and spermiation in a marsupial, the tammar wallaby ( <i>Macropus eugenii</i> ). <i>Journal of Anatomy</i> , 1997, 190, 377-395.	0.9	26
14	Posttesticular development of spermatozoa of the tammar wallaby ( <i>Macropus eugenii</i> ). <i>Journal of Anatomy</i> , 1997, 190, 275-288.	0.9	25
15	Sperm binding and penetration of the zona pellucida in vitro but not spermâ€™egg fusion in an Australian marsupial, the brushtail possum ( <i>Trichosurus vulpecula</i> ). <i>Zygote</i> , 2000, 8, 189-196.	0.5	25
16	Class I major histocompatibility complex antigen expression on early murine trophoblast and its induction by lymphokines in vitro. II. The role of gamma interferon in the responses of primary and secondary giant cells. <i>Journal of Reproductive Immunology</i> , 1987, 12, 13-21.	0.8	24
17	Manipulation of the fertility of marsupials for conservation of endangered species and control of over-abundant populations. <i>Animal Reproduction Science</i> , 1998, 53, 65-76.	0.5	24
18	Gonadotrophin-induced oestrus and ovulation in the polyovulatory marsupial <i>Sminthopsis crassicaudata</i> . <i>Reproduction, Fertility and Development</i> , 1992, 4, 145.	0.1	23

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19	The immune response and fertility of koalas ( <i>Phascolarctos cinereus</i> ) immunised with porcine zonae pellucidae or recombinant brushtail possum ZP3 protein. <i>Journal of Reproductive Immunology</i> , 2009, 82, 40-47.	0.8	23
20	Likely targets for immunocontraception in marsupials. <i>Reproduction, Fertility and Development</i> , 1997, 9, 131.	0.1	23
21	Acrosomal integrity, viability, and DNA damage of sperm from dasyurid marsupials after freezing or freeze drying. <i>Theriogenology</i> , 2009, 72, 817-825.	0.9	21
22	The testis and its excurrent ducts in American caenolestid and didelphid marsupials. <i>American Journal of Anatomy</i> , 1982, 163, 269-282.	0.9	20
23	A simple glycerol-based freezing protocol for the semen of a marsupial <i>Trichosurus vulpecula</i> , the common brushtail possum. <i>Reproduction, Fertility and Development</i> , 1991, 3, 119.	0.1	20
24	Fluorescent localization of thiols and disulfides in marsupial spermatozoa by bromobimane labelling. <i>Molecular Reproduction and Development</i> , 1994, 37, 318-325.	1.0	20
25	Acrosome formation during sperm transit through the epididymis in two marsupials, the tammar wallaby ( <i>Macropus eugenii</i> ) and the brushtail possum ( <i>Trichosurus vulpecula</i> ). <i>Journal of Anatomy</i> , 1999, 194, 223-232.	0.9	19
26	Prospects for the Artificial Manipulation of Marsupial Reproduction and Its Application in Research and Conservation. <i>Australian Journal of Zoology</i> , 1989, 37, 249.	0.6	19
27	Phagocytic properties of cultured murine trophoblast. <i>Placenta</i> , 1987, 8, 129-139.	0.7	18
28	Class I major histocompatibility complex antigen expression on early murine trophoblast and its induction by lymphokines in vitro. <i>Journal of Reproductive Immunology</i> , 1987, 10, 319-328.	0.8	17
29	Ovarian function and its manipulation in the tammar wallaby, <i>Macropus eugenii</i> . <i>Reproduction, Fertility and Development</i> , 1993, 5, 27.	0.1	17
30	Sperm transport in the female reproductive tract of the brushtail possum, <i>Trichosurus vulpecula</i> , following superovulation and artificial insemination. <i>Animal Reproduction Science</i> , 2000, 59, 213-228.	0.5	17
31	In vitro maturation of oocytes from a marsupial, the tammar wallaby ( <i>Macropus eugenii</i> ). <i>Molecular Reproduction and Development</i> , 1993, 34, 329-336.	1.0	16
32	West Nile virus infection induces susceptibility of in vitro outgrown murine blastocysts to specific lysis by paternally directed allo-immune and virus-immune cytotoxic T cells. <i>Journal of Reproductive Immunology</i> , 1993, 23, 131-144.	0.8	16
33	Integrating biobanking could produce significant cost benefits and minimise inbreeding for Australian amphibian captive breeding programs. <i>Reproduction, Fertility and Development</i> , 2021, 33, 573-587.	0.1	15
34	Fertilization of Marsupials. , 1991, , 117-135.		15
35	Induction of Thumbtack Sperm During Coculture with Oviduct Epithelial Cell Monolayers in a Marsupial, the Brushtail Possum ( <i>Trichosurus vulpecula</i> )1. <i>Biology of Reproduction</i> , 1999, 61, 1356-1361.	1.2	14
36	Active anti-paternal immunization does not affect the success of marsupial pregnancy. <i>Journal of Reproductive Immunology</i> , 1985, 8, 249-256.	0.8	13

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37	Dissociation and preservation of preantral follicles and immature oocytes from female dasyurid marsupials. <i>Reproduction, Fertility and Development</i> , 2009, 21, 640.	0.1	12
38	Tasting novel foods and selecting nutrient content in a highly successful ecological invader, the common myna. <i>Journal of Avian Biology</i> , 2017, 48, 1432-1440.	0.6	12
39	Capacitation and the acrosome reaction in marsupial spermatozoa. <i>Reproduction, Fertility and Development</i> , 1996, 8, 595.	0.1	12
40	Seminal plasma, an unnecessary evil?. <i>Theriogenology</i> , 1975, 3, 237-247.	0.9	11
41	Prefertilization gamete maturation events in marsupials. <i>Reproduction, Fertility and Development</i> , 1994, 6, 473.	0.1	11
42	Electron-microscopic localisation of thiol and disulphide groups by direct monomaleimido-nanogold labelling in the spermatozoa of a marsupial, the tammar wallaby ( <i>Macropus eugenii</i> ). <i>Cell and Tissue Research</i> , 1995, 282, 291-296.	1.5	11
43	Ultrastructural observations on in vivo fertilisation in the brushtail possum, <i>Trichosurus vulpecula</i> , following PMSG/LH superovulation and artificial insemination. <i>Zygote</i> , 1999, 7, 307-320.	0.5	11
44	In vitro and in vivo maturation of oocytes from gonadotrophin-treated brushtail possums. <i>Molecular Reproduction and Development</i> , 2002, 62, 504-512.	1.0	11
45	Vitrification as a method for genome resource banking oocytes from the endangered Tasmanian devil ( <i>Sarcophilus harrisii</i> ). <i>Cryobiology</i> , 2010, 60, 322-325.	0.3	11
46	Respiration rates and sugar utilization by marsupial spermatozoa. <i>Gamete Research</i> , 1978, 1, 111-116.	1.7	10
47	Recent advances in tools and technologies for monitoring and controlling ovarian activity in marsupials. <i>Theriogenology</i> , 2018, 109, 58-69.	0.9	10
48	Lysophosphatidylcholine disrupts the acrosome of tammar wallaby ( <i>macropus eugenii</i> ) spermatozoa. <i>Molecular Reproduction and Development</i> , 1993, 35, 277-284.	1.0	9
49	Ionic calcium levels in oviduct explant-conditioned media from an Australian marsupial, the brushtail possum ( <i>Trichosurus vulpecula</i> ) and its relevance to in vitro fertilization. <i>Zygote</i> , 2003, 11, 285-291.	0.5	9
50	Acrosome stability in the spermatozoa of dasyurid marsupials. <i>Reproduction, Fertility and Development</i> , 2008, 20, 295.	0.1	9
51	An examination of funding for terrestrial vertebrate fauna research from Australian federal government sources. <i>Pacific Conservation Biology</i> , 2018, 24, 142.	0.5	9
52	Secretory proteins from the female reproductive tract of the brushtail possum <i>Trichosurus vulpecula</i> : binding to sperm and effects on sperm survival in vitro. <i>Reproduction, Fertility and Development</i> , 1999, 11, 329.	0.1	9
53	Ovarian suppression in a marsupial following single treatment with a gonadotrophin-releasing hormone agonist in microspheres. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1964.	0.1	8
54	Comparative aspects of the accessory sex glands and seminal biochemistry of mammals. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1976, 55, 1-8.	0.2	7

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55	Breeding in the fat-tailed dunnart following ovarian suppression with the gonadotrophin-releasing hormone agonist Lucrin <sup>®</sup> Depot. <i>Reproduction, Fertility and Development</i> , 2018, 30, 507.	0.1	7
56	Modelling Genetic Benefits and Financial Costs of Integrating Biobanking into the Captive Management of Koalas. <i>Animals</i> , 2022, 12, 990.	1.0	7
57	Glycogen not N-acetylglucosamine the prostatic carbohydrate of three Australian and American marsupials, and patterns of these sugars in marsupialia. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1980, 67, 109-113.	0.2	6
58	Delayed return to estrus following treatment with the gonadotrophin-releasing hormone agonist, Lucrin <sup>®</sup> Depot, in the tammar wallaby. <i>Theriogenology</i> , 2018, 115, 108-116.	0.9	6
59	Effect of decapacitation factor on the oxygen uptake of rabbit spermatozoa recovered from the uterus. <i>Experientia</i> , 1975, 31, 80-81.	1.2	5
60	Towards a ZP-based contraceptive for marsupials: Comparative analysis and developmental expression of marsupial ZP genes. <i>Molecular Reproduction and Development</i> , 2007, 74, 1581-1589.	1.0	5
61	Marsupials: Progress and Prospects. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1200, 309-325.	0.8	5
62	Resetting the paradigm of reproductive science and conservation. <i>Animal Reproduction Science</i> , 2021, , 106911.	0.5	5
63	The spermatozoa of the dasyurid marsupial, <i>Sminthopsis crassicaudata</i> , are highly susceptible to cold shock. <i>Reproduction, Fertility and Development</i> , 2010, 22, 580.	0.1	4
64	Marsupials the alternative therians “ From gametes to birth. <i>Theriogenology</i> , 2020, 150, 405-411.	0.9	4
65	19-OH-Prostaglandin F in the semen and prostate gland of marsupials. <i>Theriogenology</i> , 1977, 8, 207.	0.9	3
66	Uterine and vaginal insemination optimised in brushtail possums ( <i>Trichosurus vulpecula</i> ) superovulated with pregnant mare serum gonadotrophin and porcine luteinising hormone. <i>Reproduction, Fertility and Development</i> , 2007, 19, 521.	0.1	3
67	Induction of synchronous oestrus but not ovulation after pre-treatment with the GnRH agonist, Lucrin <sup>®</sup> Depot, in the tammar wallaby. <i>Theriogenology</i> , 2020, 145, 24-30.	0.9	3
68	Arachidonic acid-induced acrosomal loss in the spermatozoa of a marsupial, the tammar wallaby ( <i>Macropus eugenii</i> ). <i>Reproduction, Fertility and Development</i> , 1997, 9, 803.	0.1	3
69	Characterisation of an epitope shared by an acrosomal acrosin-like protein and the surface of tammar wallaby ( <i>Macropus eugenii</i> ) spermatozoa. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 713-721.	1.3	2
70	Oxygen consumption and sugar utilization by the spermatozoa of a marsupial, the brush-tailed possum. <i>Theriogenology</i> , 1976, 6, 659.	0.9	1
71	Differential distribution of spermatozoa to the two uteri of the tammar wallaby. <i>Theriogenology</i> , 1977, 8, 197.	0.9	0
72	J. Michael Bedford 1932-2018. <i>Molecular Reproduction and Development</i> , 2018, 85, 283-284.	1.0	0

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73	Human chorionic gonadotrophin does not induce ovulation in the tammar wallaby. Australian Mammalogy, 2021, 43, 354.	0.7	0
74	Acrosome formation during sperm transit through the epididymis in two marsupials, the tammar wallaby (<i>Macropus eugenii</i>) and the brushtail possum (<i>Trichosurus vulpecula</i>). American Journal of Anatomy, 1999, 194, 223-232.	0.9	0
75	Electron-microscopic localisation of thiol and disulphide groups by direct monomaleimido-nanogold labelling in the spermatozoa of a marsupial, the tammar wallaby ( <i>Macropus eugenii</i> ). Cell and Tissue Research, 1995, 282, 291-296.	1.5	0