Katherine Belov

List of Publications by Year in Descending Order

193 papers	5,741 citations	36 h-index	66 g-index
207 ext. papers	6,724 ext. citations	5.4 avg, IF	5.58 L-index

#	Paper	IF	Citations
193	Threatened Species Initiative: Empowering conservation action using genomic resources.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	8
192	Future-proofing the koala: synergising genomic and environmental data for effective species management.. *Molecular Ecology*, **2022**,	5.7	4
191	Incomplete lineage sorting and phenotypic evolution in marsupials.. *Cell*, **2022**,	56.2	5
190	Epigenetic clock and methylation studies in marsupials: opossums, Tasmanian devils, kangaroos, and wallabies.. *GeroScience*, **2022**, 1	8.9	0
189	A targeted approach to investigating immune genes of an iconic Australian marsupial.. *Molecular Ecology*, **2022**,	5.7	3
188	How much is enough? Sampling intensity influences estimates of reproductive variance in an introduced population. *Ecological Applications*, **2021**, e02462	4.9	1
187	Metapopulation management of a critically endangered marsupial in the age of genomics. *Global Ecology and Conservation*, **2021**, 31, e01869	2.8	3
186	Koala cathelicidin PhciCath5 has antimicrobial activity, including against Chlamydia pecorum. *PLoS ONE*, **2021**, 16, e0249658	3.7	1
185	First evidence of deviation from Mendelian proportions in a conservation programme. *Molecular Ecology*, **2021**, 30, 3703-3715	5.7	1
184	Characterization of reproductive gene diversity in the endangered Tasmanian devil. *Molecular Ecology Resources*, **2021**, 21, 721-732	8.4	0
183	Assessing evolutionary processes over time in a conservation breeding program: a combined approach using molecular data, simulations and pedigree analysis. *Biodiversity and Conservation*, **2021**, 30, 1011-1029	3.4	2
182	Annotation of immune genes in the extinct thylacine (Thylacinus cynocephalus). *Immunogenetics*, **2021**, 73, 263-275	3.2	1
181	Improved high-throughput MHC typing for non-model species using long-read sequencing. *Molecular Ecology Resources*, **2021**,	8.4	1
180	Platypus and echidna genomes reveal mammalian biology and evolution. *Nature*, **2021**, 592, 756-762	50.4	28
179	Comprehensive Knowledge of Reservoir Hosts is Key to Mitigating Future Pandemics. *Innovation(China)*, **2020**, 1, 100065	17.8	1
178	Marsupial Gut Microbiome. *Frontiers in Microbiology*, **2020**, 11, 1058	5.7	0
177	A demonstration of conservation genomics for threatened species management. *Molecular Ecology Resources*, **2020**, 20, 1526-1541	8.4	23

176	Inbreeding depression in one of the last DFTD-free wild populations of Tasmanian devils. *PeerJ*, **2020**, 8, e9220	3.1	1
175	Genetic analysis of scat samples to inform conservation of the Tasmanian devil. *Australian Zoologist* , **2020**, 40, 492-504	0.7	
174	Deciphering genetic mate choice: Not so simple in group-housed conservation breeding programs. *Evolutionary Applications*, **2020**, 13, 2179-2189	4.8	3
173	Too much of a good thing? Finding the most informative genetic data set to answer conservation questions. *Molecular Ecology Resources*, **2019**, 19, 659-671	8.4	18
172	From reference genomes to population genomics: comparing three reference-aligned reduced-representation sequencing pipelines in two wildlife species. *BMC Genomics*, **2019**, 20, 453	4.5	24
171	Tasmanian devils with contagious cancer exhibit a constricted T-cell repertoire diversity. *Communications Biology*, **2019**, 2, 99	6.7	11
170	Fecal Viral Diversity of Captive and Wild Tasmanian Devils Characterized Using Virion-Enriched Metagenomics and Metatranscriptomics. *Journal of Virology*, **2019**, 93,	6.6	29
169	MHC-associated mate choice under competitive conditions in captive versus wild Tasmanian devils. *Behavioral Ecology*, **2019**, 30, 1196-1204	2.3	4
168	Molecular characterisation of Interleukin-2 in two Australian marsupials (the tammar wallaby, Notamacropus eugenii, and the Tasmanian devil, Sarcophilus harrisii) facilitates the development of marsupial-specific immunological reagents. *Australian Mammalogy*, **2019**, 41, 39	1.1	1
167	A Tasmanian devil breeding program to support wild recovery. *Reproduction, Fertility and Development*, **2019**, 31, 1296-1304	1.8	14
166	Looking like the locals - gut microbiome changes post-release in an endangered species. *Animal Microbiome*, **2019**, 1, 8	4.1	21
165	The Value of Reference Genomes in the Conservation of Threatened Species. *Genes*, **2019**, 10,	4.2	36
164	Tasmanian Devil Facial Tumor Disease **2019**, 490-493		
163	Complex problems need detailed solutions: Harnessing multiple data types to inform genetic management in the wild. *Evolutionary Applications*, **2019**, 12, 280-291	4.8	20
162	Koala immunology and infectious diseases: How much can the koala bear?. *Developmental and Comparative Immunology*, **2018**, 82, 177-185	3.2	5
161	Gomesin peptides prevent proliferation and lead to the cell death of devil facial tumour disease cells. *Cell Death Discovery*, **2018**, 4, 19	6.9	10
160	Transcriptomic changes in the pre-implantation uterus highlight histotrophic nutrition of the developing marsupial embryo. *Scientific Reports*, **2018**, 8, 2412	4.9	14
159	Landscape-level field data reveal broad-scale effects of a fatal, transmissible cancer on population ecology of the Tasmanian devil. *Mammalian Biology*, **2018**, 91, 41-45	1.6	6

158	MHC diversity and female age underpin reproductive success in an Australian icon; the Tasmanian Devil. *Scientific Reports*, **2018**, 8, 4175	4.9	13
157	Characterisation of MHC class I genes in the koala. *Immunogenetics*, **2018**, 70, 125-133	3.2	12
156	Pedigree reconstruction using molecular data reveals an early warning sign of gene diversity loss in an island population of Tasmanian devils (Sarcophilus harrisii). *Conservation Genetics*, **2018**, 19, 439-450	2.6	21
155	Devil women. *Pacific Conservation Biology*, **2018**, 24, 271	1.2	
154	Immunization Strategies Producing a Humoral IgG Immune Response against Devil Facial Tumor Disease in the Majority of Tasmanian Devils Destined for Wild Release. *Frontiers in Immunology*, **2018**, 9, 259	8.4	26
153	The effects of group versus intensive housing on the retention of genetic diversity in insurance populations. *BMC Zoology*, **2018**, 3,	1.8	17
152	Bioluminescent murine models of bacterial sepsis and scald wound infections for antimicrobial efficacy testing. *PLoS ONE*, **2018**, 13, e0200195	3.7	16
151	Disentangling the mechanisms of mate choice in a captive koala population. *PeerJ*, **2018**, 6, e5438	3.1	4
150	Marsupial Immunology **2018**,		1
149	Women in conservation science making a difference. *Pacific Conservation Biology*, **2018**, 24, 209	1.2	7
148	Lessons learnt from the Tasmanian devil facial tumour regarding immune function in cancer. *Mammalian Genome*, **2018**, 29, 731-738	3.2	4
147	Adaptation and conservation insights from the koala genome. *Nature Genetics*, **2018**, 50, 1102-1111	36.3	102
146	Comparative genomics of hormonal signaling in the chorioallantoic membrane of oviparous and viviparous amniotes. *General and Comparative Endocrinology*, **2017**, 244, 19-29	3	24
145	Immune-endocrine interactions in marsupials and monotremes. *General and Comparative Endocrinology*, **2017**, 244, 178-185	3	5
144	Regression of devil facial tumour disease following immunotherapy in immunised Tasmanian devils. *Scientific Reports*, **2017**, 7, 43827	4.9	42
143	Variants in the host genome may inhibit tumour growth in devil facial tumours: evidence from genome-wide association. *Scientific Reports*, **2017**, 7, 423	4.9	38
142	The Regulation of Uterine Proinflammatory Gene Expression during Pregnancy in the Live-Bearing Lizard, Pseudemoia entrecasteauxii. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2017**, 328, 334-346	1.8	7
141	Significant decline in anticancer immune capacity during puberty in the Tasmanian devil. *Scientific Reports*, **2017**, 7, 44716	4.9	18

140	Long-read genome sequence assembly provides insight into ongoing retroviral invasion of the koala germline. *Scientific Reports*, **2017**, 7, 15838	4.9	27
139	No evidence of inbreeding depression in a Tasmanian devil insurance population despite significant variation in inbreeding. *Scientific Reports*, **2017**, 7, 1830	4.9	26
138	Increasing generations in captivity is associated with increased vulnerability of Tasmanian devils to vehicle strike following release to the wild. *Scientific Reports*, **2017**, 7, 2161	4.9	31
137	Characterization of the antimicrobial peptide family defensins in the Tasmanian devil (Sarcophilus harrisii), koala (Phascolarctos cinereus), and tammar wallaby (Macropus eugenii). *Immunogenetics*, **2017**, 69, 133-143	3.2	8
136	Devil Tools & Tech A Synergy of Conservation Research and Management Practice. *Conservation Letters*, **2017**, 10, 133-138	6.9	26
135	Variation in Major Histocompatibility Complex diversity in invasive cane toad populations. *Wildlife Research*, **2017**, 44, 565	1.8	2
134	Antimicrobial Protection of Marsupial Pouch Young. *Frontiers in Microbiology*, **2017**, 8, 354	5.7	9
133	Marsupial and monotreme cathelicidins display antimicrobial activity, including against methicillin-resistant Staphylococcus aureus. *Microbiology (United Kingdom)*, **2017**, 163, 1457-1465	2.9	8
132	Reptile Pregnancy Is Underpinned by Complex Changes in Uterine Gene Expression: A Comparative Analysis of the Uterine Transcriptome in Viviparous and Oviparous Lizards. *Genome Biology and Evolution*, **2016**, 8, 3226-3239	3.9	29
131	Characterisation of the immune compounds in koala milk using a combined transcriptomic and proteomic approach. *Scientific Reports*, **2016**, 6, 35011	4.9	16
130	Allelic expression of mammalian imprinted genes in a matrotrophic lizard, Pseudemoia entrecasteauxii. *Development Genes and Evolution*, **2016**, 226, 79-85	1.8	14
129	The Platypus: A Venomous Mammal **2016**, 169-183		3
128	The identification of immune genes in the milk transcriptome of the Tasmanian devil (Sarcophilus harrisii). *PeerJ*, **2016**, 4, e1569	3.1	13
127	The Immune System of Monotremes and Marsupials **2016**, 504-514		
126	Evolution and comparative analysis of the bat MHC-I region. *Scientific Reports*, **2016**, 6, 21256	4.9	29
125	Immunoglubolin dynamics and cancer prevalence in Tasmanian devils (Sarcophilus harrisii). *Scientific Reports*, **2016**, 6, 25093	4.9	12
124	Molecular characterization of MHC class II in the Australian invasive cane toad reveals multiple splice variants. *Immunogenetics*, **2016**, 68, 449-460	3.2	7
123	Transmissible cancers in an evolutionary context. *BioEssays*, **2016**, 38 Suppl 1, S14-23	4.1	18

122	Transmissible cancers in an evolutionary context. *Inside the Cell*, **2016**, 1, 17-26		1
121	Diversity in the Toll-like receptor genes of the Tasmanian devil (Sarcophilus harrisii). *Immunogenetics*, **2015**, 67, 195-201	3.2	20
120	Cancer Immunology of Transmissible Cancers **2015**, 419-428		
119	Selection on MHC class II supertypes in the New Zealand endemic Hochstetter's frog. *BMC Evolutionary Biology*, **2015**, 15, 63	3	23
118	Impacts of early viability selection on management of inbreeding and genetic diversity in conservation. *Molecular Ecology*, **2015**, 24, 1645-53	5.7	13
117	Characterization of antibody V segment diversity in the Tasmanian devil (Sarcophilus harrisii). *Veterinary Immunology and Immunopathology*, **2015**, 167, 156-65	2	7
116	Identification and analysis of divergent immune gene families within the Tasmanian devil genome. *BMC Genomics*, **2015**, 16, 1017	4.5	10
115	Lack of genetic diversity across diverse immune genes in an endangered mammal, the Tasmanian devil (Sarcophilus harrisii). *Molecular Ecology*, **2015**, 24, 3860-72	5.7	43
114	Evolution of the avian □defensin and cathelicidin genes. *BMC Evolutionary Biology*, **2015**, 15, 188	3	47
113	Development of a SNP-based assay for measuring genetic diversity in the Tasmanian devil insurance population. *BMC Genomics*, **2015**, 16, 791	4.5	28
112	Identification, characterisation and expression analysis of natural killer receptor genes in Chlamydia pecorum infected koalas (Phascolarctos cinereus). *BMC Genomics*, **2015**, 16, 796	4.5	9
111	The Tasmanian devil microbiome-implications for conservation and management. *Microbiome*, **2015**, 3, 76	16.6	84
110	The origin, dynamics, and molecular evolution of transmissible cancers. *Advances in Genomics and Genetics*, **2015**, 317		
109	SNP marker discovery in koala TLR genes. *PLoS ONE*, **2015**, 10, e0121068	3.7	5
108	Genomic insights into a contagious cancer in Tasmanian devils. *Trends in Genetics*, **2015**, 31, 528-35	8.5	21
107	Anthropogenic selection enhances cancer evolution in Tasmanian devil tumours. *Evolutionary Applications*, **2014**, 7, 260-5	4.8	19
106	The koala immunological toolkit: sequence identification and comparison of key markers of the koala (Phascolarctos cinereus) immune response. *Australian Journal of Zoology*, **2014**, 62, 195	0.5	15
105	Characterisation of major histocompatibility complex class I in the Australian cane toad, Rhinella marina. *PLoS ONE*, **2014**, 9, e102824	3.7	18

104	Characterisation of non-classical MHC class I genes in the Tasmanian devil (Sarcophilus harrisii). *Immunogenetics*, **2014**, 66, 727-35	3.2	23
103	Identification of dendritic cells, B cell and T cell subsets in Tasmanian devil lymphoid tissue; evidence for poor immune cell infiltration into devil facial tumors. *Anatomical Record*, **2014**, 297, 925-38	2.1	29
102	Development of MHC-Linked Microsatellite Markers in the Domestic Cat and Their Use to Evaluate MHC Diversity in Domestic Cats, Cheetahs, and Gir Lions. *Journal of Heredity*, **2014**, 105, 493-505	2.4	7
101	Tracing monotreme venom evolution in the genomics era. *Toxins*, **2014**, 6, 1260-73	4.9	9
100	The Platypus: A Venomous Mammal **2014**, 1-13		
99	Reversible epigenetic down-regulation of MHC molecules by devil facial tumour disease illustrates immune escape by a contagious cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 5103-8	11.5	158
98	Low major histocompatibility complex diversity in the Tasmanian devil predates European settlement and may explain susceptibility to disease epidemics. *Biology Letters*, **2013**, 9, 20120900	3.6	40
97	Identification of natural killer cell receptor genes in the genome of the marsupial Tasmanian devil (Sarcophilus harrisii). *Immunogenetics*, **2013**, 65, 25-35	3.2	20
96	Characterisation of four major histocompatibility complex class II genes of the koala (Phascolarctos cinereus). *Immunogenetics*, **2013**, 65, 37-46	3.2	22
95	Does the devil facial tumour produce immunosuppressive cytokines as an immune evasion strategy?. *Veterinary Immunology and Immunopathology*, **2013**, 153, 159-64	2	19
94	Evolution of a contagious cancer: epigenetic variation in Devil Facial Tumour Disease. *Proceedings of the Royal Society B: Biological Sciences*, **2013**, 280, 20121720	4.4	17
93	Placental lipoprotein lipase (LPL) gene expression in a placentotrophic lizard, Pseudemoia entrecasteauxii. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2013**, 320, 465-70	1.8	8
92	Desmond Wishart Cooper: a life in science. *Australian Journal of Zoology*, **2013**, 61, 1	0.5	
91	Marsupial immunology bounding ahead. *Australian Journal of Zoology*, **2013**, 61, 24	0.5	17
90	Echidna venom gland transcriptome provides insights into the evolution of monotreme venom. *PLoS ONE*, **2013**, 8, e79092	3.7	14
89	Immune escape strategies of a contagious cancer, devil facial tumour disease. *Molecular Immunology*, **2012**, 51, 30	4.3	2
88	Contagious cancer: lessons from the devil and the dog. *BioEssays*, **2012**, 34, 285-92	4.1	27
87	Evolution in a transmissible cancer: a study of the chromosomal changes in devil facial tumor (DFT) as it spreads through the wild Tasmanian devil population. *Cancer Genetics*, **2012**, 205, 101-12	2.3	60

86	Molecular identification of interleukin-2 in the lymphoid tissues of the common brushtail possum, Trichosurus vulpecula. *Developmental and Comparative Immunology*, **2012**, 36, 236-40	3.2	9
85	Venom evolution through gene duplications. *Gene*, **2012**, 496, 1-7	3.8	73
84	Diversity at the major histocompatibility complex Class II in the platypus, Ornithorhynchus anatinus. *Journal of Heredity*, **2012**, 103, 467-78	2.4	7
83	Antigen-presenting genes and genomic copy number variations in the Tasmanian devil MHC. *BMC Genomics*, **2012**, 13, 87	4.5	47
82	Telomere dynamics and homeostasis in a transmissible cancer. *PLoS ONE*, **2012**, 7, e44085	3.7	19
81	A comparative genomics approach to understanding transmissible cancer in Tasmanian devils. *Annual Review of Genomics and Human Genetics*, **2012**, 13, 207-22	9.7	15
80	Isolation and characterisation of 11 MHC-linked microsatellite loci in the Tasmanian devil (Sarcophilus harrisii). *Conservation Genetics Resources*, **2012**, 4, 463-465	0.8	13
79	Low MHC class II diversity in the Tasmanian devil (Sarcophilus harrisii). *Immunogenetics*, **2012**, 64, 525-33	3.2	52
78	Reduced effect of Tasmanian devil facial tumor disease at the disease front. *Conservation Biology*, **2012**, 26, 124-34	6	58
77	A limited role for gene duplications in the evolution of platypus venom. *Molecular Biology and Evolution*, **2012**, 29, 167-77	8.3	30
76	Genomic restructuring in the Tasmanian devil facial tumour: chromosome painting and gene mapping provide clues to evolution of a transmissible tumour. *PLoS Genetics*, **2012**, 8, e1002483	6	75
75	Proteomics and deep sequencing comparison of seasonally active venom glands in the platypus reveals novel venom peptides and distinct expression profiles. *Molecular and Cellular Proteomics*, **2012**, 11, 1354-64	7.6	35
74	Diversity of MHC class II DAB1 in the koala (Phascolarctos cinereus). *Australian Journal of Zoology*, **2012**, 60, 1	0.5	13
73	New insights into the role of MHC diversity in devil facial tumour disease. *PLoS ONE*, **2012**, 7, e36955	3.7	28
72	Allorecognition in the Tasmanian devil (Sarcophilus harrisii), an endangered marsupial species with limited genetic diversity. *PLoS ONE*, **2011**, 6, e22402	3.7	55
71	Genome sequence of an Australian kangaroo, Macropus eugenii, provides insight into the evolution of mammalian reproduction and development **2011**, 12, 414		18
70	Genome sequence of an Australian kangaroo, Macropus eugenii, provides insight into the evolution of mammalian reproduction and development. *Genome Biology*, **2011**, 12, R81	18.3	142
69	Ancient antimicrobial peptides kill antibiotic-resistant pathogens: Australian mammals provide new options. *PLoS ONE*, **2011**, 6, e24030	3.7	61

68	The role of the Major Histocompatibility Complex in the spread of contagious cancers. *Mammalian Genome*, **2011**, 22, 83-90	3.2	40
67	Transcriptomic analysis supports similar functional roles for the two thymuses of the tammar wallaby. *BMC Genomics*, **2011**, 12, 420	4.5	19
66	The tammar wallaby major histocompatibility complex shows evidence of past genomic instability. *BMC Genomics*, **2011**, 12, 421	4.5	31
65	Immunome database for marsupials and monotremes. *BMC Immunology*, **2011**, 12, 48	3.7	22
64	Genomic identification of chemokines and cytokines in opossum. *Journal of Interferon and Cytokine Research*, **2011**, 31, 317-30	3.5	9
63	Major Histocompatibility Complex (MHC) markers in conservation biology. *International Journal of Molecular Sciences*, **2011**, 12, 5168-86	6.3	73
62	MHC gene copy number variation in Tasmanian devils: implications for the spread of a contagious cancer. *Proceedings of the Royal Society B: Biological Sciences*, **2010**, 277, 2001-6	4.4	104
61	Cloning and structural analysis of two highly divergent IgA isotypes, IgA1 and IgA2 from the duck billed platypus, Ornithorhynchus anatinus. *Molecular Immunology*, **2010**, 47, 785-91	4.3	11
60	Novel venom gene discovery in the platypus. *Genome Biology*, **2010**, 11, R95	18.3	45
59	L-to-D-peptide isomerase in male echidna venom. *Australian Journal of Zoology*, **2010**, 58, 284	0.5	11
58	Evolution of viviparity and uterine angiogenesis: vascular endothelial growth factor (VEGF) in oviparous and viviparous skinks. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2010**, 314, 148-56	1.8	9
57	MHC screening for marsupial conservation: extremely low levels of class II diversity indicate population vulnerability for an endangered Australian marsupial. *Conservation Genetics*, **2010**, 11, 269-278	2.6	13
56	The Marsupial Major Histocompatibility Complex **2010**, 339-356		1
55	Use of Genomic Information to Gain Insights into Immune Function in Marsupials: A Review of Divergent Immune Genes **2010**, 381-400		4
54	Hatching time for monotreme immunology. *Australian Journal of Zoology*, **2009**, 57, 185	0.5	9
53	Physical mapping of immune genes in the tammar wallaby (Macropus eugenii). *Cytogenetic and Genome Research*, **2009**, 127, 21-5	1.9	4
52	MHC-linked and un-linked class I genes in the wallaby. *BMC Genomics*, **2009**, 10, 310	4.5	40
51	High levels of genetic variation at MHC class II DBB loci in the tammar wallaby (Macropus eugenii). *Immunogenetics*, **2009**, 61, 111-8	3.2	17

50	Comparative genomics indicates the mammalian CD33rSiglec locus evolved by an ancient large-scale inverse duplication and suggests all Siglecs share a common ancestral region. *Immunogenetics*, **2009**, 61, 401-17	3.2	34
49	Identification of natural killer cell receptor clusters in the platypus genome reveals an expansion of C-type lectin genes. *Immunogenetics*, **2009**, 61, 565-79	3.2	22
48	Understanding and utilising mammalian venom via a platypus venom transcriptome. *Journal of Proteomics*, **2009**, 72, 155-64	3.9	32
47	Characterization and evolution of vertebrate indoleamine 2, 3-dioxygenases IDOs from monotremes and marsupials. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2009**, 153, 137-144	2.3	57
46	Ornithorhynchus anatinus (platypus) links the evolution of immunoglobulin genes in eutherian mammals and nonmammalian tetrapods. *Journal of Immunology*, **2009**, 183, 3285-93	5.3	57
45	Isolation and characterization of 10 MHC Class I-associated microsatellite loci in tammar wallaby (Macropus eugenii). *Molecular Ecology Resources*, **2009**, 9, 346-9	8.4	8
44	Platypus venom genes expressed in non-venom tissues. *Australian Journal of Zoology*, **2009**, 57, 199	0.5	12
43	No evidence of expression of two classes of natural antibiotics (cathelicidins and defensins) in a sample of platypus milk. *Australian Journal of Zoology*, **2009**, 57, 211	0.5	5
42	Genome analysis of the platypus reveals unique signatures of evolution. *Nature*, **2008**, 453, 175-83	50.4	545
41	Expression patterns of platypus defensin and related venom genes across a range of tissue types reveal the possibility of broader functions for OvDLPs than previously suspected. *Toxicon*, **2008**, 52, 559-65	2.8	25
40	Defensins and the convergent evolution of platypus and reptile venom genes. *Genome Research*, **2008**, 18, 986-94	9.7	101
39	Characterization of the opossum immune genome provides insights into the evolution of the mammalian immune system. *Genome Research*, **2007**, 17, 982-91	9.7	88
38	Genome of the marsupial Monodelphis domestica reveals innovation in non-coding sequences. *Nature*, **2007**, 447, 167-77	50.4	577
37	Characterization of major histocompatibility complex class I and class II genes from the Tasmanian devil (Sarcophilus harrisii). *Immunogenetics*, **2007**, 59, 753-60	3.2	55
36	The Immune Response of the Tasmanian Devil (Sarcophilus harrisii) and Devil Facial Tumour Disease. *EcoHealth*, **2007**, 4, 338-345	3.1	65
35	Characterization and isolation of L-to-D-amino-acid-residue isomerase from platypus venom. *Amino Acids*, **2007**, 32, 63-8	3.5	31
34	Transmission of a fatal clonal tumor by biting occurs due to depleted MHC diversity in a threatened carnivorous marsupial. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 16221-6	11.5	219
33	Platypus Venom: a Review. *Australian Mammalogy*, **2007**, 29, 57	1.1	19

32	Isolation of major histocompatibility complex Class I genes from the tammar wallaby (Macropus eugenii). *Immunogenetics*, **2006**, 58, 487-93	3.2	13
31	Evolution and comparative analysis of the MHC Class III inflammatory region. *BMC Genomics*, **2006**, 7, 281	4.5	45
30	Reconstructing an ancestral mammalian immune supercomplex from a marsupial major histocompatibility complex. *PLoS Biology*, **2006**, 4, e46	9.7	123
29	Mammalian l-to-d-amino-acid-residue isomerase from platypus venom. *FEBS Letters*, **2006**, 580, 1587-91	3.8	45
28	In silico identification of opossum cytokine genes suggests the complexity of the marsupial immune system rivals that of eutherian mammals. *Immunome Research*, **2006**, 2, 4		38
27	High levels of variability in immune response using antigens from two reproductive proteins in brushtail possums. *Wildlife Research*, **2005**, 32, 1	1.8	15
26	Characterization of MHC class II genes from an ancient reptile lineage, Sphenodon (tuatara). *Immunogenetics*, **2005**, 57, 883-91	3.2	20
25	Unusually similar patterns of antibody V segment diversity in distantly related marsupials. *Journal of Immunology*, **2005**, 174, 5665-71	5.3	25
24	Marsupial MHC class II beta genes are not orthologous to the eutherian beta gene families. *Journal of Heredity*, **2004**, 95, 338-45	2.4	30
23	Molecular cloning and characterization of the polymorphic MHC class II DBB from the tammar wallaby (Macropus eugenii). *Immunogenetics*, **2004**, 55, 791-5	3.2	21
22	Isolation of monotreme T-cell receptor alpha and beta chains. *Immunogenetics*, **2004**, 56, 164-9	3.2	7
21	Evolution of the major histocompatibility complex: Isolation of class II beta cDNAs from two monotremes, the platypus and the short-beaked echidna. *Immunogenetics*, **2003**, 55, 402-11	3.2	23
20	Immunoglobulin genetics of Ornithorhynchus anatinus (platypus) and Tachyglossus aculeatus (short-beaked echidna). *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2003**, 136, 811-9	2.6	33
19	Echidna IgA supports mammalian unity and traditional Therian relationship. *Mammalian Genome*, **2002**, 13, 656-63	3.2	32
18	Characterization of immunoglobulin gamma 1 from a monotreme, Tachyglossus aculeatus. *Immunogenetics*, **2002**, 53, 1065-71	3.2	21
17	Ontogeny of immunoglobulin expression in the brushtail possum (Trichosurus vulpecula). *Developmental and Comparative Immunology*, **2002**, 26, 599-602	3.2	12
16	Characterisation of echidna IgM provides insights into the time of divergence of extant mammals. *Developmental and Comparative Immunology*, **2002**, 26, 831-9	3.2	31
15	Characterisation of antisera to recombinant IgA of the common brushtail possum (Trichosurus vulpecula). *Veterinary Immunology and Immunopathology*, **2002**, 88, 89-95	2	4

14	An Mhc class I gene in the Australian brushtail possum (Trichosurus vulpecula). *Immunogenetics*, **2001**, 53, 430-3	3.2	13
13	Cloning of the MHC class II DRB cDNA from the brushtail possum (Trichosurus vulpecula). *Immunology Letters*, **2001**, 76, 31-6	4.1	19
12	Characterisation of the kappa light chain of the brushtail possum (Trichosurus vulpecula). *Veterinary Immunology and Immunopathology*, **2001**, 78, 317-24	2	17
11	Immunoglobulin genetics of marsupials. *Developmental and Comparative Immunology*, **2000**, 24, 485-90	3.2	27
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4	Characterisation of the faecal virome of captive and wild Tasmanian devils using virus-like particles metagenomics and meta-transcriptomics		3
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