Elizabeth P Murchison

List of Publications by Year
in descending order

59 papers	10,960 citations	134610 34 h-index	198040 52 g-index
70 all docs	70 docs citations	70 times ranked	15686 citing authors

#	Article	IF	Citations
1	Searching for transmissible cancers among the mussels of Europe. Molecular Ecology, 2022, 31, 719-722.	2.0	0
2	Somatic mutation rates scale with lifespan across mammals. Nature, 2022, 604, 517-524.	13.7	211
3	Molecular characterization of a marine turtle tumor epizootic, profiling external, internal and postsurgical regrowth tumors. Communications Biology, 2021, 4, 152.	2.0	20
4	Genotype data not consistent with clonal transmission of sea turtle fibropapillomatosis or goldfish schwannoma. Wellcome Open Research, 2021, 6, 219.	0.9	2
5	Rising incidence of canine transmissible venereal tumours in the UK. Veterinary Record, 2021, 189, 472-474.	0.2	0
6	Two of a kind: transmissible Schwann cell cancers in the endangered Tasmanian devil (Sarcophilus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	28
7	Recurrent horizontal transfer identifies mitochondrial positive selection in a transmissible cancer. Nature Communications, 2020, 11, 3059.	5.8	18
8	Evolution and lineage dynamics of a transmissible cancer in Tasmanian devils. PLoS Biology, 2020, 18, e3000926.	2.6	23
9	Evolution and lineage dynamics of a transmissible cancer in Tasmanian devils. , 2020, 18, e3000926.		0
10	Evolution and lineage dynamics of a transmissible cancer in Tasmanian devils. , 2020, 18, e3000926.		0
11	Evolution and lineage dynamics of a transmissible cancer in Tasmanian devils. , 2020, 18, e3000926.		0
12	Evolution and lineage dynamics of a transmissible cancer in Tasmanian devils. , 2020, 18, e3000926.		0
13	Somatic evolution and global expansion of an ancient transmissible cancer lineage. Science, 2019, 365, .	6.0	58
14	Cross-species genomic landscape comparison of human mucosal melanoma with canine oral and equine melanoma. Nature Communications, 2019, 10, 353.	5.8	99
15	Tracing the rise of malignant cell lines: Distribution, epidemiology and evolutionary interactions of two transmissible cancers in Tasmanian devils. Evolutionary Applications, 2019, 12, 1772-1780.	1.5	37
16	Emergence, transmission and evolution of an uncommon enemy: Tasmanian devil facial tumour disease. , 2019, , 321-341.		4
17	The ERBB-STAT3 Axis Drives Tasmanian Devil Facial Tumor Disease. Cancer Cell, 2019, 35, 125-139.e9.	7.7	43
18	scanPAV: a pipeline for extracting presenceâ€“absence variations in genome pairs. Bioinformatics, 2018, 34, 3022-3024.	1.8	9

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19	Ancient <scp>DNA</scp> tracks the mainland extinction and island survival of the Tasmanian devil. Journal of Biogeography, 2018, 45, 963-976.	1.4	22
20	The Origins and Vulnerabilities of Two Transmissible Cancers in Tasmanian Devils. Cancer Cell, 2018, 33, 607-619.e15.	7.7	88
21	Tasman-PCR: a genetic diagnostic assay for Tasmanian devil facial tumour diseases. Royal Society Open Science, 2018, 5, 180870.	1.1	17
22	The evolutionary history of dogs in the Americas. Science, 2018, 361, 81-85.	6.0	140
23	The newly-arisen Devil facial tumour disease 2 (DFT2) reveals a mechanism for the emergence of a contagious cancer. ELife, 2018, 7, .	2.8	47
24	Evaluation of a genetic assay for canine transmissible venereal tumour diagnosis in Brazil. Veterinary and Comparative Oncology, 2017, 15, 615-618.	0.8	9
25	No evidence for clonal transmission of urogenital carcinoma in California sea lions (Zalophus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.9	8
26	Mitochondrial genetic diversity, selection and recombination in a canine transmissible cancer. ELife, 2016, 5, .	2.8	49
27	Cancer in the Wilderness. Cell, 2016, 166, 264-268.	13.5	0
28	Rapid evolutionary response to a transmissible cancer in Tasmanian devils. Nature Communications, 2016, 7, 12684.	5.8	162
29	Transmissible tumours under the sea. Nature, 2016, 534, 628-629.	13.7	8
30	A second transmissible cancer in Tasmanian devils. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 374-379.	3.3	192
31	Enhancer Evolution across 20 Mammalian Species. Cell, 2015, 160, 554-566.	13.5	671
32	The cancer which survived: insights from the genome of an 11000 year-old cancer. Current Opinion in Genetics and Development, 2015, 30, 49-55.	1.5	48
33	Transmissible cancer in Tasmanian devils: localized lineage replacement and host population response. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151468.	1.2	48
34	Transmissible Dog Cancer Genome Reveals the Origin and History of an Ancient Cell Lineage. Science, 2014, 343, 437-440.	6.0	144
35	The changing global distribution and prevalence of canine transmissible venereal tumour. BMC Veterinary Research, 2014, 10, 168.	0.7	68
36	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.	1.5	92

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37	Genome Sequencing and Analysis of the Tasmanian Devil and Its Transmissible Cancer. Cell, 2012, 148, 780-791.	13.5	300
38	Expansion of CORE-SINEs in the genome of the Tasmanian devil. BMC Genomics, 2012, 13, 172.	1.2	10
39	Deregulated Sex Chromosome Gene Expression with Male Germ Cell-Specific Loss of Dicer1. PLoS ONE, 2012, 7, e46359.	1.1	49
40	Extreme Telomere Length Dimorphism in the Tasmanian Devil and Related Marsupials Suggests Parental Control of Telomere Length. PLoS ONE, 2012, 7, e46195.	1.1	27
41	Sequencing skippy: the genome sequence of an Australian kangaroo, Macropus eugenii. Genome Biology, 2011, 12, 123.	13.9	6
42	Identification and validation of a novel mature microRNA encoded by the Merkel cell polyomavirus in human Merkel cell carcinomas. Journal of Clinical Virology, 2011, 52, 272-275.	1.6	80
43	Ordered progression of stage-specific miRNA profiles in the mouse B2 B-cell lineage. Blood, 2011, 117, 5340-5349.	0.6	55
44	Tumor-Specific Diagnostic Marker for Transmissible Facial Tumors of Tasmanian Devils. Veterinary Pathology, 2011, 48, 1195-1203.	0.8	60
45	The Tasmanian Devil Transcriptome Reveals Schwann Cell Origins of a Clonally Transmissible Cancer. Science, 2010, 327, 84-87.	6.0	222
46	Pseudogene-derived small interfering RNAs regulate gene expression in mouse oocytes. Nature, 2008, 453, 534-538.	13.7	960
47	Genome analysis of the platypus reveals unique signatures of evolution. Nature, 2008, 453, 175-183.	13.7	657
48	A mammalian microRNA cluster controls DNA methylation and telomere recombination via Rbl2-dependent regulation of DNA methyltransferases. Nature Structural and Molecular Biology, 2008, 15, 268-279.	3.6	348
49	miRNAs are essential for survival and differentiation of newborn neurons but not for expansion of neural progenitors during early neurogenesis in the mouse embryonic neocortex. Development (Cambridge), 2008, 135, 3911-3921.	1.2	309
50	Targeted deletion of Dicer in the heart leads to dilated cardiomyopathy and heart failure. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2111-2116.	3.3	540
51	Conservation of small RNA pathways in platypus. Genome Research, 2008, 18, 995-1004.	2.4	39
52	Critical roles for Dicer in the female germline. Genes and Development, 2007, 21, 682-693.	2.7	438
53	A MicroRNA Feedback Circuit in Midbrain Dopamine Neurons. Science, 2007, 317, 1220-1224.	6.0	1,094
54	The Expanding Universe of Noncoding RNAs. Cold Spring Harbor Symposia on Quantitative Biology, 2006, 71, 551-564.	2.0	65

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55	The miRNA-Processing Enzyme Dicer Is Essential for the Morphogenesis and Maintenance of Hair Follicles. Current Biology, 2006, 16, 1041-1049.	1.8	335
56	Characterization of Dicer-deficient murine embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12135-12140.	3.3	742
57	miRNAs on the move: miRNA biogenesis and the RNAi machinery. Current Opinion in Cell Biology, 2004, 16, 223-229.	2.6	360
58	Dicer is essential for mouse development. Nature Genetics, 2003, 35, 215-217.	9.4	1,759
59	Sex disparity in oronasal presentations of canine transmissible venereal tumour. Veterinary Record, 0, , .	0.2	1