

Denise P Barlow

List of Publications by Year in descending order

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54
papers

8,253
citations

81900

39
h-index

161849

54
g-index

54
all docs

54
docs citations

54
times ranked

7929
citing authors

#	ARTICLE	IF	CITATIONS
1	The non-coding Air RNA is required for silencing autosomal imprinted genes. <i>Nature</i> , 2002, 415, 810-813.	27.8	1,013
2	Gene regulation by the act of long non-coding RNA transcription. <i>BMC Biology</i> , 2013, 11, 59.	3.8	685
3	Genomic Imprinting in Mammals. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a018382-a018382.	5.5	573
4	Imprinted expression of the <i>Igf2r</i> gene depends on an intronic CpG island. <i>Nature</i> , 1997, 389, 745-749.	27.8	561
5	<i>Airn</i> Transcriptional Overlap, But Not Its lncRNA Products, Induces Imprinted <i>Igf2r</i> Silencing. <i>Science</i> , 2012, 338, 1469-1472.	12.6	476
6	Regulation of embryonic growth and lysosomal targeting by the imprinted <i>Igf2/Mpr</i> gene. <i>Nature</i> , 1994, 372, 464-467.	27.8	457
7	Considerations when investigating lncRNA function in vivo. <i>ELife</i> , 2014, 3, e03058.	6.0	309
8	The imprinted antisense RNA at the <i>Igf2r</i> locus overlaps but does not imprint <i>Mas1</i> . <i>Nature Genetics</i> , 2000, 25, 19-21.	21.4	271
9	A large inverted duplication allows homologous recombination between chromosomes heterozygous for the proximal t complex inversion. <i>Cell</i> , 1987, 48, 813-825.	28.9	256
10	Genomic Imprinting: A Mammalian Epigenetic Discovery Model. <i>Annual Review of Genetics</i> , 2011, 45, 379-403.	7.6	251
11	Characteristics of imprinted genes. <i>Nature Genetics</i> , 1995, 9, 12-13.	21.4	218
12	H3K27me3 forms BLOCs over silent genes and intergenic regions and specifies a histone banding pattern on a mouse autosomal chromosome. <i>Genome Research</i> , 2009, 19, 221-233.	5.5	212
13	The function of non-coding RNAs in genomic imprinting. <i>Development (Cambridge)</i> , 2009, 136, 1771-1783.	2.5	205
14	Impaired Activity of the Extraneuronal Monoamine Transporter System Known as Uptake-2 in <i>Orct3/Slc22a3</i> -Deficient Mice. <i>Molecular and Cellular Biology</i> , 2001, 21, 4188-4196.	2.3	188
15	Bidirectional action of the <i>Igf2r</i> imprint control element on upstream and downstream imprinted genes. <i>Genes and Development</i> , 2001, 15, 2361-2366.	5.9	166
16	The imprinted Air ncRNA is an atypical RNAPII transcript that evades splicing and escapes nuclear export. <i>EMBO Journal</i> , 2006, 25, 3565-3575.	7.8	141
17	Silencing by imprinted noncoding RNAs: is transcription the answer?. <i>Trends in Genetics</i> , 2007, 23, 284-292.	6.7	141
18	Active and Repressive Chromatin Are Interspersed without Spreading in an Imprinted Gene Cluster in the Mammalian Genome. <i>Molecular Cell</i> , 2007, 27, 353-366.	9.7	138

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19	Long non-coding RNAs display higher natural expression variation than protein-coding genes in healthy humans. <i>Genome Biology</i> , 2016, 17, 14.	8.8	129
20	Conservation of a maternal-specific methylation signal at the human IGF2R locus. <i>Human Molecular Genetics</i> , 1995, 4, 1945-1952.	2.9	123
21	Mapping the mouse Allelome reveals tissue-specific regulation of allelic expression. <i>ELife</i> , 2017, 6, .	6.0	120
22	Cloning of the Mouse and Human Solute Carrier 22a3 (Slc22a3/SLC22A3) Identifies a Conserved Cluster of Three Organic Cation Transporters on Mouse Chromosome 17 and Human 6q26â€“q27. <i>Genomics</i> , 1999, 55, 209-218.	2.9	113
23	Imprinting: a gamete's point of view. <i>Trends in Genetics</i> , 1994, 10, 194-199.	6.7	102
24	An RNA-Seq Strategy to Detect the Complete Coding and Non-Coding Transcriptome Including Full-Length Imprinted Macro ncRNAs. <i>PLoS ONE</i> , 2011, 6, e27288.	2.5	97
25	Genetics by gel electrophoresis: the impact of pulsed field gel electrophoresis on mammalian genetics. <i>Trends in Genetics</i> , 1987, 3, 167-171.	6.7	92
26	The uniqueness of the imprinting mechanism. <i>Current Opinion in Genetics and Development</i> , 2000, 10, 229-233.	3.3	82
27	Imprinted <i>Igf2r</i> silencing depends on continuous <i>Air</i> lncRNA expression and is not restricted to a developmental window. <i>Development (Cambridge)</i> , 2013, 140, 1184-1195.	2.5	82
28	5 The origins of genomic imprinting in mammals. <i>Advances in Genetics</i> , 2002, 46, 119-163.	1.8	81
29	Imprinted silencing of <i>Slc22a2</i> and <i>Slc22a3</i> does not need transcriptional overlap between <i>Igf2r</i> and <i>Air</i> . <i>EMBO Journal</i> , 2003, 22, 3696-3704.	7.8	81
30	An ICE pattern crystallizes. <i>Nature Genetics</i> , 2003, 35, 11-12.	21.4	74
31	Macro lncRNAs. <i>RNA Biology</i> , 2012, 9, 731-741.	3.1	67
32	Paternal repression of the imprinted mouse <i>Igf2r</i> locus occurs during implantation and is stable in all tissues of the post-implantation mouse embryo. <i>Mechanisms of Development</i> , 1997, 61, 141-149.	1.7	65
33	Multiple roles for DNA methylation in gametic imprinting. <i>Current Opinion in Genetics and Development</i> , 1996, 6, 159-163.	3.3	63
34	Genomic imprintingâ€”an epigenetic gene-regulatory model. <i>Current Opinion in Genetics and Development</i> , 2010, 20, 164-170.	3.3	61
35	An in vitro ES cell imprinting model shows that imprinted expression of the <i>Igf2r</i> gene arises from an allele-specific expression bias. <i>Development (Cambridge)</i> , 2009, 136, 437-448.	2.5	58
36	Identification of the human homolog of the imprinted mouse <i>Air</i> non-coding RNA. <i>Genomics</i> , 2008, 92, 464-473.	2.9	52

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37	Characterization of the C3 YAC Contig from Proximal Mouse Chromosome 17 and Analysis of Allelic Expression of Genes Flanking the Imprinted <i>Igf2r</i> Gene. <i>Genomics</i> , 1997, 43, 285-297.	2.9	49
38	Mechanisms of long range silencing by imprinted macro non-coding RNAs. <i>Current Opinion in Genetics and Development</i> , 2012, 22, 283-289.	3.3	45
39	Regulation of imprinted expression by macro non-coding RNAs. <i>RNA Biology</i> , 2009, 6, 100-106.	3.1	42
40	Imprinting of the mouse <i>Igf2r</i> gene depends on an intronic CpG island. <i>Molecular and Cellular Endocrinology</i> , 1998, 140, 9-14.	3.2	39
41	Imprinting mechanisms—it only takes two. <i>Genes and Development</i> , 2006, 20, 1203-1206.	5.9	38
42	Silencing and transcriptional properties of the imprinted <i>Airn</i> ncRNA are independent of the endogenous promoter. <i>EMBO Journal</i> , 2008, 27, 3116-3128.	7.8	35
43	Long-range DNase I hypersensitivity mapping reveals the imprinted <i>Igf2r</i> and <i>Air</i> promoters share <i>cis</i> -regulatory elements. <i>Genome Research</i> , 2005, 15, 1379-1387.	5.5	29
44	Extra-embryonic-specific imprinted expression is restricted to defined lineages in the post-implantation embryo. <i>Developmental Biology</i> , 2011, 353, 420-431.	2.0	29
45	Investigation of Elements Sufficient To Imprint the Mouse <i>Air</i> Promoter. <i>Molecular and Cellular Biology</i> , 2001, 21, 5008-5017.	2.3	27
46	Developmental control of imprinted expression by macro non-coding RNAs. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 328-335.	5.0	27
47	A Downstream CpG Island Controls Transcript Initiation and Elongation and the Methylation State of the Imprinted <i>Airn</i> Macro ncRNA Promoter. <i>PLoS Genetics</i> , 2012, 8, e1002540.	3.5	18
48	Random and imprinted monoallelic expression. <i>Genes To Cells</i> , 1996, 1, 795-802.	1.2	17
49	Making Sense of Imprinting the Mouse and Human <i>IGF2R</i> Loci. <i>Novartis Foundation Symposium</i> , 1998, 214, 251-263.	1.1	15
50	The mouse plasminogen locus maps to the recombination breakpoints of the <i>t</i> Lub2 and <i>Tt</i> Orlp partial <i>t</i> haplotypes but is not at the <i>t</i> w73 locus. <i>Mammalian Genome</i> , 1992, 2, 260-268.	2.2	12
51	Genetic analysis of the organic cation transporter genes <i>Orct2/Slc22a2</i> and <i>Orct3/Slc22a3</i> reduces the critical region for the <i>t</i> haplotype mutant <i>t</i> w73 to 200 kb. <i>Mammalian Genome</i> , 2001, 12, 734-740.	2.2	10
52	Imprinted silencing is extended over broad chromosomal domains in mouse extra-embryonic lineages. <i>Current Opinion in Cell Biology</i> , 2013, 25, 297-304.	5.4	10
53	Imprinted expression in cystic embryoid bodies shows an embryonic and not an extra-embryonic pattern. <i>Developmental Biology</i> , 2015, 402, 291-305.	2.0	7
54	A human haploid gene trap collection to study lncRNAs with unusual RNA biology. <i>RNA Biology</i> , 2016, 13, 196-220.	3.1	1