

Andrea Riccio

List of Publications by Year in descending order

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111
papers

7,187
citations

57752

44
h-index

58576

82
g-index

112
all docs

112
docs citations

112
times ranked

6846
citing authors

#	ARTICLE	IF	CITATIONS
1	In Embryonic Stem Cells, ZFP57/KAP1 Recognize a Methylated Hexanucleotide to Affect Chromatin and DNA Methylation of Imprinting Control Regions. <i>Molecular Cell</i> , 2011, 44, 361-372.	9.7	503
2	Plasminogen activator inhibitors: hormonally regulated serpins. <i>Molecular and Cellular Endocrinology</i> , 1990, 68, 1-19.	3.2	406
3	Clinical and molecular diagnosis, screening and management of Beckwith-Wiedemann syndrome: an international consensus statement. <i>Nature Reviews Endocrinology</i> , 2018, 14, 229-249.	9.6	388
4	The <i>H19</i> locus acts <i>in vivo</i> as a tumor suppressor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12417-12422.	7.1	300
5	Genomic imprinting disorders: lessons on how genome, epigenome and environment interact. <i>Nature Reviews Genetics</i> , 2019, 20, 235-248.	16.3	291
6	Molecular subtypes and phenotypic expression of Beckwith-Wiedemann syndrome. <i>European Journal of Human Genetics</i> , 2005, 13, 1025-1032.	2.8	284
7	Microdeletions in the human H19 DMR result in loss of IGF2 imprinting and Beckwith-Wiedemann syndrome. <i>Nature Genetics</i> , 2004, 36, 958-960.	21.4	261
8	The Control Region of Mitochondrial DNA Shows an Unusual CpG and Non-CpG Methylation Pattern. <i>DNA Research</i> , 2013, 20, 537-547.	3.4	221
9	The human urokinase-plasminogen activator gene and its promoter. <i>Nucleic Acids Research</i> , 1985, 13, 2759-2771.	14.5	219
10	Plasminogen activator inhibitor type-1 : reactive center and amino-terminal heterogeneity determined by protein and cDNA sequencing. <i>FEBS Letters</i> , 1986, 209, 213-218.	2.8	195
11	Hypomethylation at multiple maternally methylated imprinted regions including PLAGL1 and GNAS loci in Beckwith-Wiedemann syndrome. <i>European Journal of Human Genetics</i> , 2009, 17, 611-619.	2.8	194
12	Imprinting disorders: a group of congenital disorders with overlapping patterns of molecular changes affecting imprinted loci. <i>Clinical Epigenetics</i> , 2015, 7, 123.	4.1	174
13	The KCNQ1OT1 imprinting control region and non-coding RNA: new properties derived from the study of Beckwith-Wiedemann syndrome and Silver-Russell syndrome cases. <i>Human Molecular Genetics</i> , 2012, 21, 10-25.	2.9	135
14	Plasminogen activator inhibitor type 1 gene is located at region q21.3-q22 of chromosome 7 and genetically linked with cystic fibrosis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 8548-8552.	7.1	127
15	Cancer Risk in Beckwith-Wiedemann Syndrome: A Systematic Review and Meta-Analysis Outlining a Novel (Epi)Genotype Specific Histotype Targeted Screening Protocol. <i>Journal of Pediatrics</i> , 2016, 176, 142-149.e1.	1.8	119
16	(Epi)genotype-phenotype correlations in Beckwith-Wiedemann syndrome. <i>European Journal of Human Genetics</i> , 2016, 24, 183-190.	2.8	113
17	Recent Advances in Imprinting Disorders. <i>Clinical Genetics</i> , 2017, 91, 3-13.	2.0	101
18	Mechanisms causing imprinting defects in familial Beckwith-Wiedemann syndrome with Wilms' tumour. <i>Human Molecular Genetics</i> , 2007, 16, 254-264.	2.9	100

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19	Distinct Methylation Changes at the IGF2-H19 Locus in Congenital Growth Disorders and Cancer. PLoS ONE, 2008, 3, e1849.	2.5	93
20	Prevalence of Beckwith-Wiedemann syndrome in North West of Italy. American Journal of Medical Genetics, Part A, 2013, 161, 2481-2486.	1.2	93
21	Assisted Reproductive Techniques and Risk of Beckwith-Wiedemann Syndrome. Pediatrics, 2017, 140, .	2.1	87
22	The regulatory region of the human plasminogen activator inhibitor type-1 (PAI-1) gene. Nucleic Acids Research, 1988, 16, 2805-2824.	14.5	82
23	Causes and Consequences of Multi-Locus Imprinting Disturbances in Humans. Trends in Genetics, 2016, 32, 444-455.	6.7	81
24	Disruption of genomic neighbourhood at the imprinted IGF2-H19 locus in Beckwith-Wiedemann syndrome and Silver-Russell syndrome. Human Molecular Genetics, 2011, 20, 1363-1374.	2.9	80
25	Structure of the galactokinase gene of Escherichia coli, the last (?) gene of the gal operon. Nucleic Acids Research, 1985, 13, 1841-1853.	14.5	79
26	The molecular function and clinical phenotype of partial deletions of the IGF2/H19 imprinting control region depends on the spatial arrangement of the remaining CTCF-binding sites. Human Molecular Genetics, 2013, 22, 544-557.	2.9	78
27	Different mechanisms cause imprinting defects at the IGF2/H19 locus in Beckwith-Wiedemann syndrome and Wilms' tumour. Human Molecular Genetics, 2008, 17, 1427-1435.	2.9	76
28	Recommendations of the Scientific Committee of the Italian Beckwith-Wiedemann Syndrome Association on the diagnosis, management and follow-up of the syndrome. European Journal of Medical Genetics, 2016, 59, 52-64.	1.3	76
29	Role of histone acetylation and DNA methylation in the maintenance of the imprinted expression of the H19 and IGF2 genes. FEBS Letters, 1999, 458, 45-50.	2.8	73
30	MS-MLPA is a specific and sensitive technique for detecting all chromosome 11p15.5 imprinting defects of BWS and SRS in a single-tube experiment. European Journal of Human Genetics, 2008, 16, 565-571.	2.8	73
31	ZFP57 maintains the parent-of-origin-specific expression of the imprinted genes and differentially affects non-imprinted targets in mouse embryonic stem cells. Nucleic Acids Research, 2016, 44, 8165-8178.	14.5	73
32	EMQN best practice guidelines for the molecular genetic testing and reporting of chromosome 11p15 imprinting disorders: Silver-Russell and Beckwith-Wiedemann syndrome. European Journal of Human Genetics, 2016, 24, 1377-1387.	2.8	68
33	The Arabidopsis SUPERMAN protein is able to specifically bind DNA through its single Cys2-His2 zinc finger motif. Nucleic Acids Research, 2002, 30, 4945-4951.	14.5	63
34	The two-domain hypothesis in Beckwith-Wiedemann syndrome: autonomous imprinting of the telomeric domain of the distal chromosome 7 cluster. Human Molecular Genetics, 2005, 14, 503-511.	2.9	63
35	Mono- and bi-allelic expression of insulin-like growth factor II gene in human muscle tumors. Human Molecular Genetics, 1994, 3, 1117-1121.	2.9	59
36	(Epi)genotype-phenotype correlations in Beckwith-Wiedemann syndrome: a paradigm for genomic medicine. Clinical Genetics, 2016, 89, 403-415.	2.0	57

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37	Plasminogen activator inhibitor type 1 biosynthesis and mRNA level are increased by dexamethasone in human fibrosarcoma cells.. <i>Molecular and Cellular Biology</i> , 1987, 7, 3021-3025.	2.3	56
38	Expression and parental imprinting of the H19 gene in human rhabdomyosarcoma. <i>Oncogene</i> , 1997, 14, 1503-1510.	5.9	56
39	Nephrological findings and genotypeâ€“phenotype correlation in Beckwithâ€“Wiedemann syndrome. <i>Pediatric Nephrology</i> , 2012, 27, 397-406.	1.7	55
40	Meg3 Non-coding RNA Expression Controls Imprinting by Preventing Transcriptional Upregulation in cis. <i>Cell Reports</i> , 2018, 23, 337-348.	6.4	54
41	Activation of fetal promoters of insulinlike growth factors II gene in hepatitis C virus-related chronic hepatitis, cirrhosis, and hepatocellular carcinoma. <i>Hepatology</i> , 1996, 23, 1304-1312.	7.3	52
42	Clinical utility gene card for: Beckwithâ€“Wiedemann Syndrome. <i>European Journal of Human Genetics</i> , 2014, 22, 435-435.	2.8	50
43	ZFP57 recognizes multiple and closely spaced sequence motif variants to maintain repressive epigenetic marks in mouse embryonic stem cells. <i>Nucleic Acids Research</i> , 2016, 44, 1118-1132.	14.5	50
44	Inherited and Sporadic Epimutations at the <i>IGF2-H19</i> Locus in Beckwith-Wiedemann Syndrome and Wilms's Tumor. <i>Endocrine Development</i> , 2009, 14, 1-9.	1.3	48
45	Convergently functional, Rho-independent terminator in <i>Salmonella typhimurium</i> . <i>Journal of Bacteriology</i> , 1985, 163, 362-368.	2.2	47
46	The PEG13-DMR and brain-specific enhancers dictate imprinted expression within the 8q24 intellectual disability risk locus. <i>Epigenetics and Chromatin</i> , 2014, 7, 5.	3.9	46
47	Structure and function of the internal promoter (<i>hisBp</i>) of the <i>Escherichia coli</i> K-12 histidine operon. <i>Journal of Bacteriology</i> , 1983, 155, 1288-1296.	2.2	46
48	A KHDC3L mutation resulting in recurrent hydatidiform mole causes genome-wide DNA methylation loss in oocytes and persistent imprinting defects post-fertilisation. <i>Genome Medicine</i> , 2019, 11, 84.	8.2	45
49	A common response element mediates differential effects of phorbol esters and forskolin on type-1 plasminogen activator inhibitor gene expression in human breast carcinoma cells. <i>FEBS Journal</i> , 1994, 220, 63-74.	0.2	40
50	Microdeletion and IGF2 loss of imprinting in a cascade causing Beckwith-Wiedemann syndrome with Wilms' tumor. <i>Nature Genetics</i> , 2005, 37, 785-786.	21.4	40
51	Loss-of-function maternal-effect mutations of PADI6 are associated with familial and sporadic Beckwith-Wiedemann syndrome with multi-locus imprinting disturbance. <i>Clinical Epigenetics</i> , 2020, 12, 139.	4.1	40
52	Transcription alterations of KCNQ1 associated with imprinted methylation defects in the Beckwithâ€“Wiedemann locus. <i>Genetics in Medicine</i> , 2019, 21, 1808-1820.	2.4	38
53	Multiple levels of control of insulin-like growth factor gene expression. <i>Molecular and Cellular Endocrinology</i> , 1994, 101, R1-R14.	3.2	34
54	Fetal growth patterns in Beckwithâ€“Wiedemann syndrome. <i>Clinical Genetics</i> , 2016, 90, 21-27.	2.0	34

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55	A splicing mutation of the HMGA2 gene is associated with Silver-Russell syndrome phenotype. <i>Journal of Human Genetics</i> , 2015, 60, 287-293.	2.3	33
56	Relaxation of Insulin-like Growth Factor 2 Imprinting and Discordant Methylation at KvDMR1 in Two First Cousins Affected by Beckwith-Wiedemann and Klippel-Trenaunay-Weber Syndromes. <i>American Journal of Human Genetics</i> , 2000, 66, 841-847.	6.2	31
57	Silver-Russell Syndrome and Beckwith-Wiedemann Syndrome Phenotypes Associated with 11p Duplication in a Single Family. <i>Pediatric and Developmental Pathology</i> , 2010, 13, 326-330.	1.0	31
58	Wnt/ β -catenin signaling pathway safeguards epigenetic stability and homeostasis of mouse embryonic stem cells. <i>Scientific Reports</i> , 2019, 9, 948.	3.3	31
59	A case of Beckwith-Wiedemann syndrome caused by a cryptic 11p15 deletion encompassing the centromeric imprinted domain of the BWS locus. <i>Journal of Medical Genetics</i> , 2010, 47, 429-432.	3.2	30
60	A novel microdeletion in the IGF2/H19 imprinting centre region defines a recurrent mutation mechanism in familial Beckwith-Wiedemann syndrome. <i>European Journal of Medical Genetics</i> , 2011, 54, e451-e454.	1.3	30
61	Paternal deletion of the 11p15.5 centromeric-imprinting control region is associated with alteration of imprinted gene expression and recurrent severe intrauterine growth restriction. <i>Journal of Medical Genetics</i> , 2013, 50, 99-103.	3.2	29
62	The H19 endodermal enhancer is required for Igf2 activation and tumor formation in experimental liver carcinogenesis. <i>Oncogene</i> , 2000, 19, 6376-6385.	5.9	28
63	Insulin Like Growth Factor 2 Expression in the Rat Brain Both in Basal Condition and following Learning Predominantly Derives from the Maternal Allele. <i>PLoS ONE</i> , 2015, 10, e0141078.	2.5	28
64	Humanized <i>H19/Igf2</i> locus reveals diverged imprinting mechanism between mouse and human and reflects Silver-Russell syndrome phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10938-10943.	7.1	28
65	DNA Methylation in the Diagnosis of Monogenic Diseases. <i>Genes</i> , 2020, 11, 355.	2.4	28
66	High frequency of loss of heterozygosity at 11p15 and IGF2 overexpression are not related to clinical outcome in childhood adrenocortical tumors positive for the R337H TP53 mutation. <i>Cancer Genetics and Cytogenetics</i> , 2008, 186, 19-24.	1.0	27
67	22q11.2 Distal Deletion Syndrome: Description of a New Case with Truncus Arteriosus Type 2 and Review. <i>Molecular Syndromology</i> , 2011, 2, 35-44.	0.8	26
68	Genetic and epigenetic mutations affect the DNA binding capability of human ZFP57 in transient neonatal diabetes type 1. <i>FEBS Letters</i> , 2013, 587, 1474-1481.	2.8	25
69	Imprinting at the PLAGL1 domain is contained within a 70-kb CTCF/cohesin-mediated non-allelic chromatin loop. <i>Nucleic Acids Research</i> , 2013, 41, 2171-2179.	14.5	25
70	Is ZFP57 binding to H19/IGF2:IG-DMR affected in Silver-Russell syndrome?. <i>Clinical Epigenetics</i> , 2018, 10, 23.	4.1	25
71	Congenital imprinting disorders: EUCID.net - a network to decipher their aetiology and to improve the diagnostic and clinical care. <i>Clinical Epigenetics</i> , 2015, 7, 23.	4.1	23
72	Tumor necrosis factor- α regulates mRNA for urokinase-type plasminogen activator and type-1 plasminogen activator inhibitor in human neoplastic cell lines. <i>Molecular and Cellular Endocrinology</i> , 1989, 61, 87-96.	3.2	22

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73	Silver-Russell syndrome due to paternal H19 / IGF2 hypomethylation in a twin girl born after in vitro fertilization. <i>American Journal of Medical Genetics, Part A</i> , 2013, 161, 2652-2655.	1.2	22
74	The phenotypic variations of multi-locus imprinting disturbances associated with maternal-effect variants of NLRP5 range from overt imprinting disorder to apparently healthy phenotype. <i>Clinical Epigenetics</i> , 2019, 11, 190.	4.1	22
75	The 5' end of the KCNQ1OT1 gene is hypomethylated in the Beckwith-Wiedemann syndrome. <i>Human Genetics</i> , 2002, 111, 105-107.	3.8	19
76	Paternal imprints can be established on the maternal Igf2-H19 locus without altering replication timing of DNA. <i>Human Molecular Genetics</i> , 2003, 12, 3123-3132.	2.9	19
77	Silver-Russell Syndrome following in Vitro Fertilization. <i>Pediatric and Developmental Pathology</i> , 2008, 11, 329-331.	1.0	19
78	Looking for CDKN1C enhancers. <i>European Journal of Human Genetics</i> , 2014, 22, 442-443.	2.8	19
79	Reply to "Microdeletion and IGF2 loss of imprinting in a cascade causing Beckwith-Wiedemann syndrome with Wilms' tumor". <i>Nature Genetics</i> , 2005, 37, 786-787.	21.4	18
80	Perlman syndrome: Clinical report and nine-year follow-up. <i>American Journal of Medical Genetics, Part A</i> , 2005, 139A, 131-135.	1.2	17
81	Relaxation of insulin-like growth factor-2 imprinting in rat cultured cells. This paper is dedicated to the memory of Professor Gaetano Salvatore. <i>Molecular and Cellular Endocrinology</i> , 1997, 135, 153-163.	3.2	14
82	Trans-acting genetic variants causing multilocus imprinting disturbance (MLID): common mechanisms and consequences. <i>Clinical Epigenetics</i> , 2022, 14, 41.	4.1	14
83	Tissue-specific and mosaic imprinting defects underlie opposite congenital growth disorders in mice. <i>PLoS Genetics</i> , 2018, 14, e1007243.	3.5	13
84	Gain of function in CDKN1C. <i>Nature Genetics</i> , 2012, 44, 737-738.	21.4	12
85	Developmentally regulated functions of the H19 differentially methylated domain. <i>Human Molecular Genetics</i> , 2003, 13, 353-361.	2.9	11
86	Molecular Etiology Disclosed by Array CGH in Patients With Silver-Russell Syndrome or Similar Phenotypes. <i>Frontiers in Genetics</i> , 2019, 10, 955.	2.3	11
87	BamHI RFLP linked to the human urokinase gene. <i>Nucleic Acids Research</i> , 1985, 13, 5404-5404.	14.5	10
88	Forskolin down-regulates type-1 plasminogen activator inhibitor and tissue-type plasminogen activator and their mRNAs in human fibrosarcoma cells. <i>Molecular and Cellular Endocrinology</i> , 1990, 72, 103-110.	3.2	10
89	The number of the CTCF binding sites of the H19/IGF2 IG-DMR correlates with DNA methylation and expression imprinting in a humanized mouse model. <i>Human Molecular Genetics</i> , 2021, 30, 1509-1520.	2.9	10
90	Regulation of single and multicopy his operons in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1985, 163, 1172-1179.	2.2	10

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91	A novel large deletion of the ICR1 region including H19 and putative enhancer elements. BMC Medical Genetics, 2015, 16, 30.	2.1	9
92	Two maternal duplications involving the CDKN1C gene are associated with contrasting growth phenotypes. Clinical Epigenetics, 2016, 8, 69.	4.1	9
93	Biallelic variant in cyclin B3 is associated with failure of maternal meiosis II and recurrent digynic triploidy. Journal of Medical Genetics, 2021, 58, 783-788.	3.2	9
94	Epigenetic Alterations in Inborn Errors of Immunity. Journal of Clinical Medicine, 2022, 11, 1261.	2.4	8
95	Zfp57 inactivation illustrates the role of ICR methylation in imprinted gene expression during neural differentiation of mouse ESCs. Scientific Reports, 2021, 11, 13802.	3.3	7
96	Novel genetic variants of KHDC3L and other members of the subcortical maternal complex associated with Beckwith-Wiedemann syndrome or Pseudohypoparathyroidism 1B and multi-locus imprinting disturbances. Clinical Epigenetics, 2022, 14, .	4.1	7
97	Giant breast tumors in a patient with Beckwith-Wiedemann syndrome. American Journal of Medical Genetics, Part A, 2014, 164, 182-185.	1.2	6
98	Beckwith-Wiedemann syndrome. Clinical and etiopathogenic aspects of a model genomic imprinting entity. Archivos Argentinos De Pediatria, 2018, 116, 368-373.	0.2	6
99	Both Epimutations and Chromosome Aberrations Affect Multiple Imprinted Loci in Aggressive Wilms Tumors. Cancers, 2020, 12, 3411.	3.7	6
100	Mosaic Segmental and Whole-Chromosome Upd(11)mat in Silver-Russell Syndrome. Genes, 2021, 12, 581.	2.4	5
101	Activation of fetal promoters of insulinlike growth factors II gene in hepatitis C virus-related chronic hepatitis, cirrhosis, and hepatocellular carcinoma. Hepatology, 1996, 23, 1304-1312.	7.3	5
102	A new case of de novo 6q24.2-q25.2 deletion on paternal chromosome 6 with growth hormone deficiency: a twelve-year follow-up and literature review. BMC Medical Genetics, 2015, 16, 69.	2.1	4
103	A paternally inherited 1.4%kb deletion of the 11p15.5 imprinting center 2 is associated with a mild familial Silver-Russell syndrome phenotype. European Journal of Human Genetics, 2021, 29, 447-454.	2.8	4
104	Familial posterior helical ear pits. American Journal of Medical Genetics, Part A, 2007, 143A, 2832-2834.	1.2	2
105	Wilms tumor and constitutional epigenetic defects. Nature Genetics, 2008, 40, 1272-1273.	21.4	2
106	Identification of Trombospondin-1 as a Novel Amelogenin Interactor by Functional Proteomics. Frontiers in Chemistry, 2017, 5, 74.	3.6	2
107	ZBTB2 protein is a new partner of the Nucleosome Remodeling and Deacetylase (NuRD) complex. International Journal of Biological Macromolecules, 2021, 168, 67-76.	7.5	2
108	Variable Expressivity of the Beckwith-Wiedemann Syndrome in Four Pedigrees Segregating Loss-of-Function Variants of CDKN1C. Genes, 2021, 12, 706.	2.4	2

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109	The Structure of the Human Plasminogen Activator (uPA) Gene. Protides of the Biological Fluids; Proceedings of the Colloquium, 1985, , 67-70.	0.1	1
110	Silver-Russell syndrome. Clinical and etiopathological aspects of a model genomic imprinting entity. Archivos Argentinos De Pediatria, 2020, 118, e258-e264.	0.2	1
111	Preferential Loss of Heterozygosity of Chromosome 7 Loci in Simian Virus 40 t/T Antigen-Induced Mouse Hepatocellular Carcinomas Does Not Involve H-ras Mutations. Acta Geneticae Medicae Et Gemellologiae, 1996, 45, 221-225.	0.2	0