Colum P Walsh

List of Publications by Year
in descending order

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67	5,606	218677	133252
papers	citations	26 h-index	59 g-index

70	70	70	6407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Suicidal behaviours and mental health disorders among students commencing college. Psychiatry Research, 2022, 307, 114314.	3.3	10
2	Loss of TET reprograms Wnt signaling through impaired demethylation to promote lung cancer development. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
3	The Mediating Roles of Mental Health and Substance Use on Suicidal Behavior Among Undergraduate Students With ADHD. Journal of Attention Disorders, 2022, 26, 1437-1451.	2.6	8
4	Folic acid intervention during pregnancy alters DNA methylation, affecting neural target genes through two distinct mechanisms. Clinical Epigenetics, 2022, 14, 63.	4.1	17
5	DNA methylation of hypertension-related genes and effect of riboflavin supplementation in adults stratified by genotype for the MTHFR C677T polymorphism. International Journal of Cardiology, 2021, 322, 233-239.	1.7	14
6	Low birth weight female piglets show altered intestinal development, gene expression, and epigenetic changes at key developmental loci. FASEB Journal, 2021, 35, e21522.	0.5	12
7	Effects of maternal folic acid supplementation during the second and third trimesters of pregnancy on neurocognitive development in the child: an 11-year follow-up from a randomised controlled trial. BMC Medicine, 2021, 19, 73.	5.5	29
8	The metabolic-epigenetic nexus in type 2 diabetes mellitus. Free Radical Biology and Medicine, 2021, 170, 194-206.	2.9	16
9	Depression, anxiety and suicidal behaviour among college students: Comparisons pre-COVID-19 and during the pandemic. Psychiatry Research Communications, 2021, 1, 100012.	1.0	29
10	Nutritional Epigenomics and Age-Related Disease. Current Developments in Nutrition, 2020, 4, nzaa097.	0.3	21
11	DNA methylation of hypertension-related genes is influenced by the MTHFR 677TT genotype and riboflavin supplementation. Proceedings of the Nutrition Society, 2020, 79, .	1.0	0
12	Methylome profiling of young adults with depression supports a link with immune response and psoriasis. Clinical Epigenetics, 2020, 12, 85.	4.1	12
13	Effect of folic acid supplementation during pregnancy on brain health of the child at 11 years: the FASSTT Offspring trial. Proceedings of the Nutrition Society, 2020, 79, .	1.0	0
14	CandiMeth: Powerful yet simple visualization and quantification of DNA methylation at candidate genes. GigaScience, 2020, 9, .	6.4	6
15	miRâ€210 is induced by hypoxia and regulates neural cell adhesion molecule in prostate cells. Journal of Cellular Physiology, 2020, 235, 6194-6203.	4.1	8
16	Influence of nutrients involved in one-carbon metabolism on DNA methylation in adultsâ€”a systematic review and meta-analysis. Nutrition Reviews, 2020, 78, 647-666.	5.8	24
17	Riboflavin supplementation alters global and gene-specific DNA methylation in adults with the MTHFR 677ÂTT genotype. Biochimie, 2020, 173, 17-26.	2.6	14
18	Is imprinting the result of â€œfriendly fireâ€•by the host defense system?. PLoS Genetics, 2020, 16, e1008599.	3.5	12

#	Article	IF	Citations
19	Effect of continued folic acid supplementation beyond the first trimester of pregnancy on cognitive performance in the child: a follow-up study from a randomized controlled trial (FASSTT Offspring) Tj ETQq1 1 0.784314 rgBT /Overloc	4.3	43
20	Hepatocyte Nuclear Factor 4â€Alpha Is Essential for the Active Epigenetic State at Enhancers in Mouse Liver. Hepatology, 2019, 70, 1360-1376.	7.3	52
21	A randomized controlled trial of folic acid intervention in pregnancy highlights a putative methylation-regulated control element at ZFP57. Clinical Epigenetics, 2019, 11, 31.	4.1	36
22	Maternal folate nutrition and offspring health: evidence and current controversies. Proceedings of the Nutrition Society, 2019, 78, 208-220.	1.0	26
23	Folic Acid Supplementation throughout pregnancy: psychological developmental benefits for children. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 1370-1378.	1.5	13
24	Gene-specific DNA methylation in newborns in response to folic acid supplementation during the second and third trimesters of pregnancy: epigenetic analysis from a randomized controlled trial. American Journal of Clinical Nutrition, 2018, 107, 566-575.	4.7	78
25	Comparison of DNMT1 inhibitors by methylome profiling identifies unique signature of 5-aza-2â€²deoxycytidine. Epigenomics, 2018, 10, 1085-1101.	2.1	9
26	Intragenic sequences in the trophectoderm harbour the greatest proportion of methylation errors in day 17 bovine conceptuses generated using assisted reproductive technologies. BMC Genomics, 2018, 19, 438.	2.8	25
27	Imprint stability and plasticity during development. Reproduction, 2018, 156, R43-R55.	2.6	7
28	Depletion of DNMT1 in differentiated human cells highlights key classes of sensitive genes and an interplay with polycomb repression. Epigenetics and Chromatin, 2018, 11, 12.	3.9	18
29	Abstract 4418: Investigation of miR-205 expression and its methylation status in prostate cancer. , 2018, , .		0
30	miR-24 regulates CDKN1B/p27 expression in prostate cancer. Prostate, 2016, 76, 637-648.	2.3	52
31	Regulation of miR-200c and miR-141 by Methylation in Prostate Cancer. Prostate, 2016, 76, 1146-1159.	2.3	57
32	Widespread recovery of methylation at gametic imprints in hypomethylated mouse stem cells following rescue with DNMT3A2. Epigenetics and Chromatin, 2016, 9, 53.	3.9	7
33	The interplay between DNA methylation, folate and neurocognitive development. Epigenomics, 2016, 8, 863-879.	2.1	64
34	Ontogeny, conservation and functional significance of maternally inherited DNA methylation at two classes of non-imprinted genes. Development (Cambridge), 2014, 141, 1313-1323.	2.5	19
35	Genomics Special Issue on 5-hydroxymethylation. Genomics, 2014, 104, 313.	2.9	0
36	siRNA Silencing of the Mutant Keratin 12 Allele in Corneal Limbal Epithelial Cells Grown From Patients With Meesmann's Epithelial Corneal Dystrophy. , 2014, 55, 3352.		28

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37	Active and Passive Demethylation of Male and Female Pronuclear DNA in the Mammalian Zygote. Cell Stem Cell, 2014, 15, 447-459.	11.1	311
38	5-Hydroxymethylation marks a class of neuronal gene regulated by intragenic methylcytosine levels. Genomics, 2014, 104, 383-392.	2.9	27
39	Efficient Translation of Dnmt1 Requires Cytoplasmic Polyadenylation and Musashi Binding Elements. PLoS ONE, 2014, 9, e88385.	2.5	23
40	Enzymatic DNA oxidation: mechanisms and biological significance. BMB Reports, 2014, 47, 609-618.	2.4	20
41	How to build your own island. ELife, 2014, 3, e04779.	6.0	0
42	DNA methylation plays an important role in promoter choice and protein production at the mouse Dnmt3L locus. Developmental Biology, 2011, 356, 411-420.	2.0	17
43	DNMT1 deficiency triggers mismatch repair defects in human cells through depletion of repair protein levels in a process involving the DNA damage response. Human Molecular Genetics, 2011, 20, 3241-3255.	2.9	63
44	Alterations in the steroid hormone receptor co-chaperone FKBPL are associated with male infertility: a case-control study. Reproductive Biology and Endocrinology, 2010, 8, 22.	3.3	31
45	MLH1 mediates PARP-dependent cell death in response to the methylating agent N-methyl-N-nitrosourea. British Journal of Cancer, 2009, 101, 441-451.	6.4	17
46	Tel/PDGFRÎ² inhibits self-renewal and directs myelomonocytic differentiation of ES cells. Leukemia Research, 2008, 32, 1554-1564.	0.8	7
47	DNA Methylation Reprogramming in the Germ Line. Advances in Experimental Medicine and Biology, 2008, 626, 1-15.	1.6	35
48	DNA methyltransferase loading, but not de novo methylation, is an oocyte-autonomous process stimulated by SCF signalling. Developmental Biology, 2008, 321, 238-250.	2.0	27
49	DNA methylation reprogramming in the germ line. Epigenetics, 2008, 3, 5-13.	2.7	92
50	Sex-specific promoters regulate Dnmt3L expression in mouse germ cells. Human Reproduction, 2007, 22, 457-467.	0.9	62
51	Association of Dnmt3a and thymine DNA glycosylase links DNA methylation with base-excision repair. Nucleic Acids Research, 2007, 35, 390-400.	14.5	122
52	Developmental regulation of DNA methyltransferases. , 2006, , .		1
53	Cytosine Methylation and DNA Repair. , 2006, 301, 283-315.		116
54	DNA methyltransferase expression in the mouse germ line during periods of de novo methylation. Developmental Dynamics, 2005, 232, 992-1002.	1.8	72

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55	Identification of 11 pseudogenes in the DNA methyltransferase gene family in rodents and humans and implications for the functional loci. Genomics, 2004, 84, 193-204.	2.9	22
56	Timing of establishment of paternal methylation imprints in the mouse. Genomics, 2004, 84, 952-960.	2.9	246
57	Methylation dynamics of repetitive DNA elements in the mouse germ cell lineage. Genomics, 2003, 82, 230-237.	2.9	142
58	Reactivation of a silenced H19 gene in human rhabdomyosarcoma by demethylation of DNA but not by histone hyperacetylation. Molecular Cancer, 2002, 1, 2.	19.2	195
59	Multipoint analysis of human chromosome 11p15/mouse distal chromosome 7: inclusion of H19/IGF2 in the minimal WT2 region, gene specificity of H19 silencing in Wilms' tumorigenesis and methylation hyper-dependence of H19 imprinting. Human Molecular Genetics, 1999, 8, 1337-1352.	2.9	64
60	Transcription of IAP endogenous retroviruses is constrained by cytosine methylation. Nature Genetics, 1998, 20, 116-117.	21.4	1,012
61	Hypervariable allelic expression patterns of the imprinted IGF2 gene in tumor cells. Oncogene, 1998, 16, 113-119.	5.9	15
62	IMPT1, an imprinted gene similar to polyspecific transporter and multi- drug resistance genes. Human Molecular Genetics, 1998, 7, 597-608.	2.9	94
63	A Novel Type of Regulatory Element is Required for Promoter-specific Activity of the PDGF-B Intronic Enhancer Region. Growth Factors, 1998, 16, 137-151.	1.7	1
64	The IPL Gene on Chromosome 11p15.5 is Imprinted in Humans and Mice and is Similar to TDAG51, Implicated in Fas Expression and Apoptosis. Human Molecular Genetics, 1997, 6, 2021-2029.	2.9	156
65	Cytosine methylation and the ecology of intragenomic parasites. Trends in Genetics, 1997, 13, 335-340.	6.7	1,748
66	H19 is imprinted in the choroid plexus and leptomeninges of the mouse foetus. Mechanisms of Development, 1995, 51, 31-37.	1.7	31
67	The non-viability of uniparental mouse conceptuses correlates with the loss of the products of imprinted genes. Mechanisms of Development, 1994, 46, 55-62.	1.7	55