Jean-Louis Gueant

List of Publications by Year
in descending order

203 papers	7,085 citations	57752 44 h-index	85537 71 g-index
212 all docs	212 docs citations	212 times ranked	8173 citing authors

#	Article	IF	Citations
1	Vitamin B12 deficiency. Nature Reviews Disease Primers, 2017, 3, 17040.	30.5	543
2	Life-threatening Anaphylactoid Reactions to Propofol (DiprivanÂ®). Anesthesiology, 1992, 77, 275-280.	2.5	204
3	Cross-Reactivity and Tolerability of Cephalosporins in Patients with Immediate Hypersensitivity to Penicillins. Annals of Internal Medicine, 2004, 141, 16.	3.9	167
4	Prevalence of methylenetetrahydrofolate reductase 677T and 1298C alleles and folate status: a comparative study in Mexican, West African, and European populations. American Journal of Clinical Nutrition, 2006, 83, 701-707.	4.7	165
5	Folate and fetal programming: a play in epigenomics?. Trends in Endocrinology and Metabolism, 2013, 24, 279-289.	7.1	141
6	The importance of geneâ€“environment interactions in human obesity. Clinical Science, 2016, 130, 1571-1597.	4.3	137
7	Gestational Vitamin B Deficiency Leads to Homocysteine-Associated Brain Apoptosis and Alters Neurobehavioral Development in Rats. American Journal of Pathology, 2007, 170, 667-679.	3.8	135
8	Imipenem in Patients with Immediate Hypersensitivity to Penicillins. New England Journal of Medicine, 2006, 354, 2835-2837.	27.0	128
9	Methionine synthase (MTR) 2756 (Aâ€‰â†’â€‰G) polymorphism, double heterozygosity methionine synthase 2756 AG/methionine synthase reductase (MTRR) 66 AG, and elevated homocysteinemia are three risk factors for having a child with Down syndrome. American Journal of Medical Genetics, Part A, 2003, 121A, 219-224.	1.2	124
10	Plasma mSEPT9: A Novel Circulating Cell-free DNA-Based Epigenetic Biomarker to Diagnose Hepatocellular Carcinoma. EBioMedicine, 2018, 30, 138-147.	6.1	116
11	C-Reactive protein and coronary artery disease: Additional evidence of the implication of an inflammatory process in acute coronary syndromes. American Heart Journal, 1999, 137, 346-351.	2.7	115
12	Brief Communication: Tolerability of Meropenem in Patients with IgE-Mediated Hypersensitivity to Penicillins. Annals of Internal Medicine, 2007, 146, 266.	3.9	114
13	Methyl donor deficiency impairs fatty acid oxidation through PGC-1Î± hypomethylation and decreased ER-Î±, ERR-Î±, and HNF-4Î± in the rat liver. Journal of Hepatology, 2012, 57, 344-351.	3.7	101
14	Methyl donor deficiency induces cardiomyopathy through altered methylation/acetylation of PGCâ€1Î± by PRMT1 and SIRT1. Journal of Pathology, 2011, 225, 324-335.	4.5	97
15	Knowledge gaps in understanding the metabolic and clinical effects of excess folates/folic acid: a summary, and perspectives, from an NIH workshop. American Journal of Clinical Nutrition, 2020, 112, 1390-1403.	4.7	95
16	Mutation Update and Review of Severe Methylenetetrahydrofolate Reductase Deficiency. Human Mutation, 2016, 37, 427-438.	2.5	92
17	Health outcomes associated with vegetarian diets: An umbrella review of systematic reviews and meta-analyses. Clinical Nutrition, 2020, 39, 3283-3307.	5.0	83
18	Prevalence of hepatitis B and C and risk factors for nonvaccination in inflammatory bowel disease patients in Northeast France. Inflammatory Bowel Diseases, 2010, 16, 916-924.	1.9	79

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19	Global Burden Related to Nitrous Oxide Exposure in Medical and Recreational Settings: A Systematic Review and Individual Patient Data Meta-Analysis. Journal of Clinical Medicine, 2019, 8, 551.	2.4	79
20	Mechanisms of homocysteine-induced damage to the endothelial, medial and adventitial layers of the arterial wall. Biochimie, 2020, 173, 100-106.	2.6	78
21	Homocysteine and methylenetetrahydrofolate reductase polymorphism in Alzheimerâ€™s disease. NeuroReport, 2004, 15, 859-861.	1.2	77
22	High prevalence of hyperhomocysteinemia related to folate deficiency and the 677Câ†'T mutation of the gene encoding methylenetetrahydrofolate reductase in coastal West Africa. American Journal of Clinical Nutrition, 2004, 79, 619-624.	4.7	76
23	WWOX-related encephalopathies: delineation of the phenotypical spectrum and emerging genotype-phenotype correlation. Journal of Medical Genetics, 2015, 52, 61-70.	3.2	74
24	Folate and vitamin B12 status is associated with insulin resistance and metabolic syndrome in morbid obesity. Clinical Nutrition, 2018, 37, 1700-1706.	5.0	74
25	Molecular and cellular effects of vitamin B12 in brain, myocardium and liver through its role as co-factor of methionine synthase. Biochimie, 2013, 95, 1033-1040.	2.6	72
26	HLA-DRA variants predict penicillin allergy in genome-wide fine-mapping genotyping. Journal of Allergy and Clinical Immunology, 2015, 135, 253-259.e10.	2.9	72
27	Nutritional and genetic determinants of vitamin B and homocysteine metabolisms in neural tube defects: A multicenter caseâ€“control study. American Journal of Medical Genetics, Part A, 2008, 146A, 1128-1133.	1.2	71
28	Vitamin B12 deficiency reduces proliferation and promotes differentiation of neuroblastoma cells and up-regulates PP2A, proNGF, and TACE. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21930-21935.	7.1	70
29	Genetic Determinants of Folate and Vitamin B12 Metabolism: A Common Pathway in Neural Tube Defect and Down Syndrome?. Clinical Chemistry and Laboratory Medicine, 2003, 41, 1473-7.	2.3	66
30	Homocysteinylation of neuronal proteins contributes to folate deficiencyâ€associated alterations of differentiation, vesicular transport, and plasticity in hippocampal neuronal cells. FASEB Journal, 2012, 26, 3980-3992.	0.5	66
31	CARM1 and PRMT1 are dysregulated in lung cancer without hierarchical features. Biochimie, 2014, 97, 210-218.	2.6	66
32	A PRDX1 mutant allele causes a MMACHC secondary epimutation in cblC patients. Nature Communications, 2018, 9, 67.	12.8	64
33	Elastase and exacerbation of neutrophil innate immunity are involved in multiâ€visceral manifestations of COVIDâ€19. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1846-1858.	5.7	59
34	Hypersensitivity Reactions to Iodinated Contrast Media. Current Pharmaceutical Design, 2006, 12, 3359-3372.	1.9	56
35	Methyl(R217)HuR and MCM6 are inversely correlated and are prognostic markers in non small cell lung carcinoma. Lung Cancer, 2015, 89, 189-196.	2.0	56
36	ApoE protects cortical neurones against neurotoxicity induced by the nonâ€fibrillar Câ€terminal domain of the amyloidâ€Î² peptide. Journal of Neurochemistry, 2001, 76, 117-127.	3.9	55

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37	Incidence of and impact of medications on colectomy in newly diagnosed ulcerative colitis in the era of biologics. Inflammatory Bowel Diseases, 2012, 18, 1641-1646.	1.9	54
38	Association of MTRR A66G polymorphism (but not of MTHFR C677T and A1298C, MTR A2756G, TCN C776G) with homocysteine and coronary artery disease in the French population. Thrombosis and Haemostasis, 2005, 94, 510-515.	3.4	50
39	Long-term ACE Inhibitor/ARB Use Is Associated With Severe Renal Dysfunction and Acute Kidney Injury in Patients With Severe COVID-19: Results From a Referral Center Cohort in the Northeast of France. Clinical Infectious Diseases, 2020, 71, 2447-2456.	5.8	50
40	Vascular and Cellular Stress in Inflammatory Bowel Disease: Revisiting the Role of Homocysteine. American Journal of Gastroenterology, 2007, 102, 1108-1115.	0.4	49
41	Nutritional models of foetal programming and nutrigenomic and epigenomic dysregulations of fatty acid metabolism in the liver and heart. Pflugers Archiv European Journal of Physiology, 2014, 466, 833-850.	2.8	49
42	Diagnostic Accuracy of Procalcitonin for Predicting Blood Culture Results in Patients With Suspected Bloodstream Infection. Medicine (United States), 2015, 94, e1774.	1.0	47
43	Cross-reactivity among drugs: clinical problems. Toxicology, 2005, 209, 169-179.	4.2	46
44	Hypersensitivity to Aromatic Anticonvulsants: In Vivo and In Vitro Cross-Reactivity Studies. Current Pharmaceutical Design, 2006, 12, 3373-3381.	1.9	46
45	Increased C-reactive protein levels in patients with in-stent restenosis and its implications. American Journal of Cardiology, 2001, 87, 1189-1193.	1.6	44
46	Folate receptor and human reduced folate carrier expression in HepG2 cell line exposed to fumonisin B1 and folate deficiency. Carcinogenesis, 2007, 28, 2291-2297.	2.8	43
47	Decreased activity of intestinal and urinary intrinsic factor in GrÃsbeck-Imerslund disease. Gastroenterology, 1995, 108, 1622-1628.	1.3	42
48	Geneâ€“gene interactions of IL13 and IL4RA variants in immediate allergic reactions to betalactam antibiotics. Pharmacogenetics and Genomics, 2006, 16, 713-719.	1.5	41
49	Identification of master genes involved in liver key functions through transcriptomics and epigenomics of methyl donor deficiency in rat: Relevance to nonalcoholic liver disease. Molecular Nutrition and Food Research, 2015, 59, 293-302.	3.3	41
50	Serum concentrations of sex hormone binding globulin are elevated in kwashiorkor and anorexia nervosa but not in marasmus,,. American Journal of Clinical Nutrition, 2002, 76, 239-244.	4.7	40
51	Vitamin B₁₂ Is a Strong Determinant of Low Methionine Synthase Activity and DNA Hypomethylation in Gastrectomized Rats. Digestion, 2003, 68, 133-140.	2.3	40
52	Biallelic pathogenic variants in the lanosterol synthase gene LSS involved in the cholesterol biosynthesis cause alopecia with intellectual disability, a rare recessive neuroectodermal syndrome. Genetics in Medicine, 2019, 21, 2025-2035.	2.4	40
53	Genetic variants associated with drugs-induced immediate hypersensitivity reactions: a PRISMA-compliant systematic review. Allergy: European Journal of Allergy and Clinical Immunology, 2016, 71, 443-462.	5.7	39
54	Portal and biliary phases of enterohepatic circulation of corrinoids in humans. Gastroenterology, 1991, 101, 1399-1408.	1.3	37

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55	Mild Neonatal Hypoxia Exacerbates the Effects of Vitamin-Deficient Diet on Homocysteine Metabolism in Rats. Pediatric Research, 2005, 57, 777-782.	2.3	37
56	Malabsorption of Vitamin B12 in Pancreatic Insufficiency of the Adult and of the Child. Pancreas, 1990, 5, 559-567.	1.1	36
57	Sirt1-PPARS Cross-Talk in Complex Metabolic Diseases and Inherited Disorders of the One Carbon Metabolism. Cells, 2020, 9, 1882.	4.1	36
58	Coronavirus disease 2019: acute Fanconi syndrome precedes acute kidney injury. CKJ: Clinical Kidney Journal, 2020, 13, 362-370.	2.9	36
59	Common genetic variation in alcohol-related hepatocellular carcinoma: a case-control genome-wide association study. Lancet Oncology, The, 2022, 23, 161-171.	10.7	36
60	Late Maternal Folate Supplementation Rescues from Methyl Donor Deficiency-Associated Brain Defects by Restoring Let-7 and miR-34 Pathways. Molecular Neurobiology, 2017, 54, 5017-5033.	4.0	35
61	Nâ€homocysteinylation of tau and MAP1 is increased in autopsy specimens of Alzheimer's disease and vascular dementia. Journal of Pathology, 2019, 248, 291-303.	4.5	35
62	Submucosal Plexitis as a Predictor of Postoperative Surgical Recurrence in CrohnÊ¼s Disease. Inflammatory Bowel Diseases, 2013, 19, 1654-1661.	1.9	34
63	Isoelectrofocusing Phenotype and Relative Concentration of Transcobalamin II Isoproteins Related to the Codon 259 Arg/Pro Polymorphism. Biochemical and Biophysical Research Communications, 1998, 251, 769-774.	2.1	33
64	Environmental influence on the worldwide prevalence of a 776C->G variant in the transcobalamin gene (TCN2). Journal of Medical Genetics, 2007, 44, 363-367.	3.2	33
65	Folate- and vitamin B₁₂â€“deficient diet during gestation and lactation alters cerebellar synapsin expressionviaimpaired influence of estrogen nuclear receptor Î±. FASEB Journal, 2015, 29, 3713-3725.	0.5	33
66	Methyl Donor Deficiency Affects Fetal Programming of Gastric Ghrelin Cell Organization and Function in the Rat. American Journal of Pathology, 2010, 176, 270-277.	3.8	32
67	Methyl donor deficiency affects small-intestinal differentiation and barrier function in rats. British Journal of Nutrition, 2013, 109, 667-677.	2.3	32
68	Methyl deficient diet aggravates experimental colitis in rats. Journal of Cellular and Molecular Medicine, 2011, 15, 2486-2497.	3.6	31
69	Genome-wide association study in NSAID-induced acute urticaria/angioedema in Spanish and Han Chinese populations. Pharmacogenomics, 2013, 14, 1857-1869.	1.3	31
70	Impact of immunosuppressive therapy on hepatitis B vaccination in inflammatory bowel diseases. European Journal of Gastroenterology and Hepatology, 2015, 27, 877-881.	1.6	31
71	Production of Elastin-Derived Peptides Contributes to the Development of Nonalcoholic Steatohepatitis. Diabetes, 2018, 67, 1604-1615.	0.6	31
72	Vitamin B12 absorption and malabsorption. Vitamins and Hormones, 2022, 119, 241-274.	1.7	30

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73	Riboflavin and riboflavin-derived cofactors in adolescent girls with anorexia nervosa. American Journal of Clinical Nutrition, 1999, 69, 672-678.	4.7	29
74	Homocysteine is a determinant of ApoA-I and both are associated with ankle brachial index, in an Ambulatory Elderly Population. Atherosclerosis, 2011, 214, 480-485.	0.8	29
75	Concentrations of riboflavin and related organic acids in children with protein-energy malnutrition. American Journal of Clinical Nutrition, 2000, 71, 978-986.	4.7	28
76	Short hypoxia could attenuate the adverse effects of hyperhomocysteinemia on the developing rat brain by inducing neurogenesis. Experimental Neurology, 2009, 216, 231-238.	4.1	28
77	Transcobalamin deficiency due to activation of an intra exonic cryptic splice site. British Journal of Haematology, 2003, 123, 915-920.	2.5	27
78	Vitamin B deficiency causes neural cell loss and cognitive impairment in the developing rat. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, E1-E1.	7.1	27
79	Fumonisin <scp>FB</scp>1 treatment acts synergistically with methyl donor deficiency during rat pregnancy to produce alterations of <scp>H</scp>3â€•and <scp>H</scp>4â€histone methylation patterns in fetuses. Molecular Nutrition and Food Research, 2012, 56, 976-985.	3.3	27
80	Interaction between methionine synthase isoforms and MMACHC: characterization in cblG-variant, cblG and cblC inherited causes of megaloblastic anaemia. Human Molecular Genetics, 2013, 22, 4591-4601.	2.9	27
81	Cytoplasmic overexpression of RNA-binding protein HuR is a marker of poor prognosis in meningioma, and HuR knockdown decreases meningioma cell growth and resistance to hypoxia. Journal of Pathology, 2017, 242, 421-434.	4.5	27
82	Inherited disorders of cobalamin metabolism disrupt nucleocytoplasmic transport of mRNA through impaired methylation/phosphorylation of ELAVL1/HuR. Nucleic Acids Research, 2018, 46, 7844-7857.	14.5	27
83	Hyperhomocysteinemia Is Related to Residual Glomerular Filtration and Folate, but not to Methylenetetrahydrofolate-Reductase and Methionine Synthase Polymorphisms, in Supplemented End-Stage Renal Disease Patients Undergoing Hemodialysis. Clinical Chemistry and Laboratory Medicine, 2001, 39, 747-52.	2.3	26
84	Methionine synthase and methionine synthase reductase interact with MMACHC and with MMADHC. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 103-112.	3.8	26
85	Transcytosis and coenzymatic conversion of [⁵⁷Co]cobalamin bound to either endogenous transcobalamin II or exogenous intrinsic factor in Caco-2 cells. Cellular Physiology and Biochemistry, 2000, 10, 135-148.	1.6	25
86	Life-threatening methylenetetrahydrofolate reductase (MTHFR) deficiency with extremely early onset: Characterization of two novel mutations in compound heterozygous patients. Molecular Genetics and Metabolism, 2010, 100, 143-148.	1.1	25
87	A splicing variant leads to complete loss of function of betaineâ€“homocysteine methyltransferase (BHMT) gene in hepatocellular carcinoma. International Journal of Biochemistry and Cell Biology, 2012, 44, 385-392.	2.8	25
88	Folate can promote the methionine-dependent reprogramming of glioblastoma cells towards pluripotency. Cell Death and Disease, 2019, 10, 596.	6.3	25
89	Vitamin B12-Impaired Metabolism Produces Apoptosis and Parkinson Phenotype in Rats Expressing the Transcobalamin-Oleosin Chimera in Substantia Nigra. PLoS ONE, 2009, 4, e8268.	2.5	25
90	High-performance liquid chromatographic separation and dual competitive binding assay of corrinoids in biological material. Biomedical Applications, 1990, 529, 81-91.	1.7	24

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91	Allele É›4 of APOE is a stronger predictor of Alzheimer risk in Sicily than in continental South Italy. Neuroscience Letters, 2005, 388, 168-172.	2.1	24
92	Association of MTRR 66A>G Polymorphism With Superoxide Dismutase and Disease Activity in Patients With Crohn's Disease. American Journal of Gastroenterology, 2008, 103, 399-406.	0.4	24
93	Luminal expression of cubilin is impaired in Imerslund-Grasbeck syndrome with compound AMN mutations in intron 3 and exon 7. Haematologica, 2011, 96, 1715-1719.	3.5	24
94	Biliary Excretion of Cobalamin and Cobalamin Analogues in Man. Digestion, 1984, 30, 151-157.	2.3	23
95	Hyperhomocysteinemia Is Related to a Decreased Blood Level of Vitamin B12 in the Second and Third Trimester of Normal Pregnancy. Clinical Chemistry and Laboratory Medicine, 2002, 40, 1105-8.	2.3	23
96	Gastric intrinsic factor deficiency with combined GIF heterozygous mutations and FUT2 secretor variant. Biochimie, 2013, 95, 995-1001.	2.6	23
97	SIRT1 activation rescues the mislocalization of RNA-binding proteins and cognitive defects induced by inherited cobalamin disorders. Metabolism: Clinical and Experimental, 2019, 101, 153992.	3.4	23
98	Purification of human intrinsic factor using high-performance ion-exchange chromatography as the final step. FEBS Letters, 1985, 184, 14-19.	2.8	22
99	Comparison of effects of ioxaglate versus iomeprol on histamine and tryptase release in patients with ischemic cardiomyopathy. American Journal of Cardiology, 2001, 88, 185-188.	1.6	22
100	Cobalamin Potentiates Vinblastine Cytotoxicity Through Downregulation of mdr-1 Gene Expression in HepG2 Cells. Cellular Physiology and Biochemistry, 2007, 20, 967-976.	1.6	22
101	Genotype-phenotype associations in French patients with phenylketonuria and importance of genotype for full assessment of tetrahydrobiopterin responsiveness. Orphanet Journal of Rare Diseases, 2015, 10, 158.	2.7	21
102	Efficacy of low dose nitisinone in the management of alkaptonuria. Molecular Genetics and Metabolism, 2019, 127, 184-190.	1.1	21
103	Genetic, epigenetic and genomic mechanisms of methionine dependency of cancer and tumor-initiating cells: What could we learn from folate and methionine cycles. Biochimie, 2020, 173, 123-128.	2.6	21
104	Blood myeloperoxidaseâ€ÐDNA, a biomarker of early response to SARSâ€CoVâ€2 infection?. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 892-896.	5.7	21
105	Helicobacter pylori serologic status has no influence on the association between fucosyltransferase 2 polymorphism (FUT2 461 Gâ†'A) and vitamin B-12 in Europe and West Africa. American Journal of Clinical Nutrition, 2012, 95, 514-521.	4.7	20
106	Relapsed diffuse large B-cell lymphoma present different genomic profiles between early and late relapses. Oncotarget, 2016, 7, 83987-84002.	1.8	20
107	Developmental Impairments in a Rat Model of Methyl Donor Deficiency: Effects of a Late Maternal Supplementation with Folic Acid. International Journal of Molecular Sciences, 2019, 20, 973.	4.1	20
108	Ocular symptoms are not predictive of ophthalmologic inflammation in inflammatory bowel disease. Digestive and Liver Disease, 2013, 45, 195-199.	0.9	19

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109	Early methyl donor deficiency produces severe gastritis in mothers and offspring throughNâ€homocysteinylation of cytoskeleton proteins, cellular stress, and inflammation. FASEB Journal, 2013, 27, 2185-2197.	0.5	19
110	Telomere length in granulosa cells and leukocytes: a potential marker of female fertility? A systematic review of the literature. Journal of Ovarian Research, 2020, 13, 96.	3.0	19
111	Allele Îµ4 of apolipoprotein E gene is less frequent in Down syndrome patient of the Sicilian population and has no influence on the grade of mental retardation. Neuroscience Letters, 2001, 306, 129-131.	2.1	18
112	Influence of preconditioning-like hypoxia on the liver of developing methyl-deficient rats. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1492-E1502.	3.5	18
113	Urinary tract infections in hospitalized inflammatory bowel disease patients: A 10-year experience. Inflammatory Bowel Diseases, 2012, 18, 697-702.	1.9	18
114	Association of TCN2 rs1801198 c.776G>C polymorphism with markers of one-carbon metabolism and related diseases: a systematic review and meta-analysis of genetic association studies. American Journal of Clinical Nutrition, 2017, 106, 1142-1156.	4.7	18
115	Causes and consequences of impaired methionine synthase activity in acquired and inherited disorders of vitamin B₁₂metabolism. Critical Reviews in Biochemistry and Molecular Biology, 2022, 57, 133-155.	5.2	18
116	Differentiation and neural integration of hippocampal neuronal progenitors: Signaling pathways sequentially involved. Hippocampus, 2010, 20, 949-961.	1.9	17
117	Conditioning-like Brief Neonatal Hypoxia Improves Cognitive Function and Brain Tissue Properties with Marked Gender Dimorphism in Adult Rats. Seminars in Perinatology, 2010, 34, 193-200.	2.5	17
118	Non-Injurious Neonatal Hypoxia Confers Resistance to Brain Senescence in Aged Male Rats. PLoS ONE, 2012, 7, e48828.	2.5	17
119	Variants of CEP68 Gene Are Associated with Acute Urticaria/Angioedema Induced by Multiple Non-Steroidal Anti-Inflammatory Drugs. PLoS ONE, 2014, 9, e90966.	2.5	17
120	Cardiovascular manifestations of intermediate and major hyperhomocysteinemia due to vitamin B12 and folate deficiency and/or inherited disorders of one-carbon metabolism: a 3.5-year retrospective cross-sectional study of consecutive patients. American Journal of Clinical Nutrition, 2021, 113, 1157-1167.	4.7	17
121	Sequestration of crystalline and endogenous cobalamin by R binders down to the distal ileum in exocrine pancreatic dysfunction. Clinica Chimica Acta, 1983, 134, 95-106.	1.1	16
122	Methionine synthase A2756G polymorphism may predict ulcerative colitis and methylenetetrahydrofolate reductase C677T pancolitis, in Central China. BMC Medical Genetics, 2008, 9, 78.	2.1	16
123	Time course gene expression in the one-carbon metabolism network using HepG2 cell line grown in folate-deficient medium. Journal of Nutritional Biochemistry, 2009, 20, 312-320.	4.2	16
124	Early methyl donor deficiency alters cAMP signaling pathway and neurosteroidogenesis in the cerebellum of female rat pups. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E1009-E1019.	3.5	16
125	Genetic animal models to decipher the pathogenic effects of vitamin B12 and folate deficiency. Biochimie, 2016, 126, 43-51.	2.6	16
126	Genetic variants associated with T cellâ€“mediated cutaneous adverse drug reactions: A PRISMAâ€compliant systematic reviewâ€”An EAACI position paper. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1069-1098.	5.7	16

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127	Folinic acid improves the score of Autism in the EFFET placebo-controlled randomized trial. Biochimie, 2020, 173, 57-61.	2.6	16
128	Effect of pancreatic extracts on the faecal excretion and on the serum concentration of cobalamin and cobalamin analogues in cystic fibrosis. Clinica Chimica Acta, 1984, 137, 33-41.	1.1	15
129	Foetal programming by methyl donor deficiency produces steato-hepatitis in rats exposed to high fat diet. Scientific Reports, 2016, 6, 37207.	3.3	15
130	Expanding the clinical spectrum of STIP1 homology and U-box containing protein 1-associated ataxia. Journal of Neurology, 2021, 268, 1927-1937.	3.6	15
131	Anchoring Secreted Proteins in Endoplasmic Reticulum by Plant Oleosin: The Example of Vitamin B12 Cellular Sequestration by Transcobalamin. PLoS ONE, 2009, 4, e6325.	2.5	15
132	Exome-Wide Association Study Identifies New Low-Frequency and Rare UGT1A1 Coding Variants and UGT1A6 Coding Variants Influencing Serum Bilirubin in Elderly Subjects. Medicine (United States), 2015, 94, e925.	1.0	14
133	CARD8 gene variant is a risk factor for recurrent surgery in patients with Crohn's disease. Digestive and Liver Disease, 2015, 47, 938-942.	0.9	14
134	5 Gastric intrinsic factor and its receptor. Best Practice and Research: Clinical Haematology, 1995, 8, 515-531.	1.1	13
135	Vitamin B12, a fascinating micronutrient, which influences human health in the very early and later stages of life. Biochimie, 2013, 95, 967-969.	2.6	13
136	Myocardium proteome remodelling after nutritional deprivation of methyl donors. Journal of Nutritional Biochemistry, 2013, 24, 1241-1250.	4.2	13
137	NOD2 gene variant is a risk factor forÂpostoperative complications inÂpatients with Crohn's disease: AÂgenetic association study. Surgery, 2016, 160, 74-80.	1.9	13
138	Exome sequencing of cases with neural tube defects identifies candidate genes involved in one-carbon/vitamin B12 metabolisms and Sonic Hedgehog pathway. Human Genetics, 2019, 138, 703-713.	3.8	13
139	Vitamin B-12 and liver activity and expression of methionine synthase are decreased in fetuses with neural tube defects. American Journal of Clinical Nutrition, 2019, 109, 674-683.	4.7	13
140	The deficit in folate and vitamin B12 triggers liver macrovesicular steatosis and inflammation in rats with dextran sodium sulfate-induced colitis. Journal of Nutritional Biochemistry, 2020, 84, 108415.	4.2	13
141	Extracellular vesicles as immune mediators in response to kidney injury. American Journal of Physiology - Renal Physiology, 2018, 314, F9-F21.	2.7	12
142	MTHFR 677C â†' T genotype modulates the effect of a 5-year supplementation with B-vitamins on homocysteine concentration: The SU.FOL.OM3 randomized controlled trial. PLoS ONE, 2018, 13, e0193352.	2.5	12
143	Thyroid hormone and folinic acid in young children with Down syndrome: the phase 3 ACTHYF trial. Genetics in Medicine, 2020, 22, 44-52.	2.4	12
144	Nextâ€generation sequencing and genotype association studies reveal the association of HLAâ€DRB3*02:02 with delayed hypersensitivity to penicillins. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1827-1834.	5.7	12

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145	Mice deficient in cystathionine beta synthase display altered homocysteine remethylation pathway. Molecular Genetics and Metabolism, 2007, 91, 396-398.	1.1	11
146	Brain Susceptibility to Methyl Donor Deficiency: From Fetal Programming to Aging Outcome in Rats. International Journal of Molecular Sciences, 2019, 20, 5692.	4.1	11
147	Homocysteine Increases Methionine Synthase mRNA Level in Caco-2 Cells. Cellular Physiology and Biochemistry, 2004, 14, 407-414.	1.6	10
148	Using logic programming for modeling the one-carbon metabolism network to study the impact of folate deficiency on methylation processes. Molecular BioSystems, 2011, 7, 2508.	2.9	10
149	Methyl Donor Deficiency during Gestation and Lactation in the Rat Affects the Expression of Neuropeptides and Related Receptors in the Hypothalamus. International Journal of Molecular Sciences, 2019, 20, 5097.	4.1	10
150	Diagnostic yield of clinical exome sequencing as a first-tier genetic test for the diagnosis of genetic disorders in pediatric patients: results from a referral center study. Human Genetics, 2022, 141, 1269-1278.	3.8	10
151	Epimutations in both the TESK2 and MMACHC promoters in the Epi-cblC inherited disorder of intracellular metabolism of vitamin B12. Clinical Epigenetics, 2022, 14, 52.	4.1	10
152	Association of homocysteine (but not of MTHFR 677 C>T, MTR 2756 A>G, MTRR 66 A>G and TCN2 776 C>G) with ischaemic cerebrovascular disease in Sicily. Thrombosis and Haemostasis, 2006, 96, 154-159.	3.4	9
153	Methylenetetrahydrofolate reductase 677 T allele protects against persistent HBV infection in West Africa. Journal of Hepatology, 2008, 48, 532-539.	3.7	9
154	Wnt Signaling Pathways Are Dysregulated in Rat Female Cerebellum Following Early Methyl Donor Deficiency. Molecular Neurobiology, 2019, 56, 892-906.	4.0	9
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