Jean-Louis Gueant

List of Publications by Citations

195 papers	5,121 citations	37 h-index	60 g-index
212 ext. papers	6,121 ext. citations	5.6 avg, IF	5.36 L-index

#	Paper	IF	Citations
195	Vitamin B deficiency. *Nature Reviews Disease Primers*, **2017**, 3, 17040	51.1	287
194	Life-threatening anaphylactoid reactions to propofol (Diprivan). *Anesthesiology*, **1992**, 77, 275-80	4.3	169
193	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, 701-7	7	142
192	Cross-reactivity and tolerability of cephalosporins in patients with immediate hypersensitivity to penicillins. *Annals of Internal Medicine*, **2004**, 141, 16-22	8	140
191	Folate and fetal programming: a play in epigenomics?. *Trends in Endocrinology and Metabolism*, **2013**, 24, 279-89	8.8	121
190	Imipenem in patients with immediate hypersensitivity to penicillins. *New England Journal of Medicine*, **2006**, 354, 2835-7	59.2	117
189	Gestational vitamin B deficiency leads to homocysteine-associated brain apoptosis and alters neurobehavioral development in rats. *American Journal of Pathology*, **2007**, 170, 667-79	5.8	114
188	Methionine synthase (MTR) 2756 (A --> 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 **2003**, 121A, 219-24		102
187	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, 346-51	4.9	99
186	Brief communication: tolerability of meropenem in patients with IgE-mediated hypersensitivity to penicillins. *Annals of Internal Medicine*, **2007**, 146, 266-9	8	98
185	The importance of gene-environment interactions in human obesity. *Clinical Science*, **2016**, 130, 1571-97	6.5	96
184	Methyl donor deficiency impairs fatty acid oxidation through PGC-1 hypomethylation and decreased ER- ERR- and HNF-4 in the rat liver. *Journal of Hepatology*, **2012**, 57, 344-51	13.4	86
183	Methyl donor deficiency induces cardiomyopathy through altered methylation/acetylation of PGC-1 by PRMT1 and SIRT1. *Journal of Pathology*, **2011**, 225, 324-35	9.4	83
182	Homocysteine and methylenetetrahydrofolate reductase polymorphism in Alzheimer's disease. *NeuroReport*, **2004**, 15, 859-61	1.7	72
181	Prevalence of hepatitis B and C and risk factors for nonvaccination in inflammatory bowel disease patients in Northeast France. *Inflammatory Bowel Diseases*, **2010**, 16, 916-24	4.5	67
180	Plasma mSEPT9: A Novel Circulating Cell-free DNA-Based Epigenetic Biomarker to Diagnose Hepatocellular Carcinoma. *EBioMedicine*, **2018**, 30, 138-147	8.8	66
179	HLA-DRA variants predict penicillin allergy in genome-wide fine-mapping genotyping. *Journal of Allergy and Clinical Immunology*, **2015**, 135, 253-9	11.5	63

178	High prevalence of hyperhomocysteinemia related to folate deficiency and the 677C-->T mutation of the gene encoding methylenetetrahydrofolate reductase in coastal West Africa. *American Journal of Clinical Nutrition*, **2004**, 79, 619-24	7	60
177	Molecular and cellular effects of vitamin B12 in brain, myocardium and liver through its role as co-factor of methionine synthase. *Biochimie*, **2013**, 95, 1033-40	4.6	58
176	Nutritional and genetic determinants of vitamin B and homocysteine metabolisms in neural tube defects: a multicenter case-control study. *American Journal of Medical Genetics, Part A*, **2008**, 146A, 1128-33	2.5	58
175	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	5.9	58
174	Mutation Update and Review of Severe Methylenetetrahydrofolate Reductase Deficiency. *Human Mutation*, **2016**, 37, 427-38	4.7	58
173	Homocysteinylation of neuronal proteins contributes to folate deficiency-associated alterations of differentiation, vesicular transport, and plasticity in hippocampal neuronal cells. *FASEB Journal*, **2012**, 26, 3980-92	0.9	57
172	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, 21930-5	11.5	56
171	WWOX-related encephalopathies: delineation of the phenotypical spectrum and emerging genotype-phenotype correlation. *Journal of Medical Genetics*, **2015**, 52, 61-70	5.8	52
170	Hypersensitivity reactions to iodinated contrast media. *Current Pharmaceutical Design*, **2006**, 12, 3359-72	3.3	52
169	CARM1 and PRMT1 are dysregulated in lung cancer without hierarchical features. *Biochimie*, **2014**, 97, 210-8	4.6	49
168	Incidence of and impact of medications on colectomy in newly diagnosed ulcerative colitis in the era of biologics. *Inflammatory Bowel Diseases*, **2012**, 18, 1641-6	4.5	49
167	ApoE protects cortical neurones against neurotoxicity induced by the non-fibrillar C-terminal domain of the amyloid-beta peptide. *Journal of Neurochemistry*, **2001**, 76, 117-27	6	47
166	APRDX1 mutant allele causes a MMACHC secondary epimutation in cblC patients. *Nature Communications*, **2018**, 9, 67	17.4	45
165	Vascular and cellular stress in inflammatory bowel disease: revisiting the role of homocysteine. *American Journal of Gastroenterology*, **2007**, 102, 1108-15	0.7	45
164	Folate and vitamin B12 status is associated with insulin resistance and metabolic syndrome in morbid obesity. *Clinical Nutrition*, **2018**, 37, 1700-1706	5.9	43
163	Association of MTRRA66G polymorphism (but not of MTHFR C677T and A1298C, MTRA2756G, TCN C776G) with homocysteine and coronary artery disease in the French population. *Thrombosis and Haemostasis*, **2005**, 94, 510-5	7	42
162	Increased C-reactive protein levels in patients with in-stent restenosis and its implications. *American Journal of Cardiology*, **2001**, 87, 1189-93; A4	3	39
161	Methyl(R217)HuR and MCM6 are inversely correlated and are prognostic markers in non small cell lung carcinoma. *Lung Cancer*, **2015**, 89, 189-96	5.9	38

160	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, 833-50	4.6	38
159	Folate receptor and human reduced folate carrier expression in HepG2 cell line exposed to fumonisin B1 and folate deficiency. *Carcinogenesis*, **2007**, 28, 2291-7	4.6	38
158	Hypersensitivity to aromatic anticonvulsants: in vivo and in vitro cross-reactivity studies. *Current Pharmaceutical Design*, **2006**, 12, 3373-81	3.3	37
157	Cross-reactivity among drugs: clinical problems. *Toxicology*, **2005**, 209, 169-79	4.4	37
156	Diagnostic Accuracy of Procalcitonin for Predicting Blood Culture Results in Patients With Suspected Bloodstream Infection: An Observational Study of 35,343 Consecutive Patients (A STROBE-Compliant Article). *Medicine (United States)*, **2015**, 94, e1774	1.8	36
155	Vitamin B12 is a strong determinant of low methionine synthase activity and DNA hypomethylation in gastrectomized rats. *Digestion*, **2003**, 68, 133-40	3.6	36
154	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, 239-44	7	35
153	Decreased activity of intestinal and urinary intrinsic factor receptor in Gr□beck-Imerslund disease [corrected]. *Gastroenterology*, **1995**, 108, 1622-8	13.3	35
152	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,	5.1	34
151	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	5.9	34
150	Mechanisms of homocysteine-induced damage to the endothelial, medial and adventitial layers of the arterial wall. *Biochimie*, **2020**, 173, 100-106	4.6	34
149	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	11.6	33
148	Portal and biliary phases of enterohepatic circulation of corrinoids in humans. *Gastroenterology*, **1991**, 101, 1399-408	13.3	33
147	Malabsorption of vitamin B12 in pancreatic insufficiency of the adult and of the child. *Pancreas*, **1990**, 5, 559-67	2.6	33
146	Gene-gene interactions of IL13 and IL4RA variants in immediate allergic reactions to betalactam antibiotics. *Pharmacogenetics and Genomics*, **2006**, 16, 713-9	1.9	32
145	Environmental influence on the worldwide prevalence of a 776C->G variant in the transcobalamin gene (TCN2). *Journal of Medical Genetics*, **2007**, 44, 363-7	5.8	31
144	Mild neonatal hypoxia exacerbates the effects of vitamin-deficient diet on homocysteine metabolism in rats. *Pediatric Research*, **2005**, 57, 777-82	3.2	31
143	Genetic variants associated with drugs-induced immediate hypersensitivity reactions: a PRISMA-compliant systematic review. *Allergy: European Journal of Allergy and Clinical Immunology*, **2016**, 71, 443-62	9.3	31

142	Isoelectrofocusing phenotype and relative concentration of transcobalamin II isoproteins related to the codon 259 Arg/Pro polymorphism. *Biochemical and Biophysical Research Communications*, **1998**, 251, 769-74	3.4	30
141	Submucosal plexitis as a predictor of postoperative surgical recurrence in Crohn's disease. *Inflammatory Bowel Diseases*, **2013**, 19, 1654-61	4.5	28
140	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	6.2	27
139	Folate- and vitamin B12-deficient diet during gestation and lactation alters cerebellar synapsin expression via impaired influence of estrogen nuclear receptor *FASEB Journal*, **2015**, 29, 3713-25	0.9	27
138	Genome-wide association study in NSAID-induced acute urticaria/angioedema in Spanish and Han Chinese populations. *Pharmacogenomics*, **2013**, 14, 1857-69	2.6	27
137	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	7	27
136	Impact of immunosuppressive therapy on hepatitis B vaccination in inflammatory bowel diseases. *European Journal of Gastroenterology and Hepatology*, **2015**, 27, 877-81	2.2	26
135	Homocysteine is a determinant of ApoA-I and both are associated with ankle brachial index, in an ambulatory elderly population. *Atherosclerosis*, **2011**, 214, 480-5	3.1	26
134	Methyl donor deficiency affects fetal programming of gastric ghrelin cell organization and function in the rat. *American Journal of Pathology*, **2010**, 176, 270-7	5.8	26
133	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; author reply E2	11.5	26
132	Concentrations of riboflavin and related organic acids in children with protein-energy malnutrition. *American Journal of Clinical Nutrition*, **2000**, 71, 978-86	7	25
131	Short hypoxia could attenuate the adverse effects of hyperhomocysteinemia on the developing rat brain by inducing neurogenesis. *Experimental Neurology*, **2009**, 216, 231-8	5.7	24
130	Production of Elastin-Derived Peptides Contributes to the Development of Nonalcoholic Steatohepatitis. *Diabetes*, **2018**, 67, 1604-1615	0.9	24
129	Health outcomes associated with vegetarian diets: An umbrella review of systematic reviews and meta-analyses. *Clinical Nutrition*, **2020**, 39, 3283-3307	5.9	23
128	Fumonisin FB1 treatment acts synergistically with methyl donor deficiency during rat pregnancy to produce alterations of H3- and H4-histone methylation patterns in fetuses. *Molecular Nutrition and Food Research*, **2012**, 56, 976-85	5.9	23
127	Methyl donor deficiency affects small-intestinal differentiation and barrier function in rats. *British Journal of Nutrition*, **2013**, 109, 667-77	3.6	23
126	Methyl deficient diet aggravates experimental colitis in rats. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 2486-97	5.6	23
125	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	0.7	23

124	Transcobalamin deficiency due to activation of an intra exonic cryptic splice site. *British Journal of Haematology*, **2003**, 123, 915-20	4.5	23
123	Transcytosis and coenzymatic conversion of [(57)Co]cobalamin bound to either endogenous transcobalamin II or exogenous intrinsic factor in caco-2 cells. *Cellular Physiology and Biochemistry*, **2000**, 10, 135-48	3.9	23
122	Riboflavin and riboflavin-derived cofactors in adolescent girls with anorexia nervosa. *American Journal of Clinical Nutrition*, **1999**, 69, 672-8	7	22
121	High-performance liquid chromatographic separation and dual competitive binding assay of corrinoids in biological material. *Biomedical Applications*, **1990**, 529, 81-91		22
120	A splicing variant leads to complete loss of function of betaine-homocysteine methyltransferase (BHMT) gene in hepatocellular carcinoma. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 385-92	5.6	21
119	Interaction between methionine synthase isoforms and MMACHC: characterization in cblG-variant, cblG and cblC inherited causes of megaloblastic anaemia. *Human Molecular Genetics*, **2013**, 22, 4591-601	5.6	21
118	Allele epsilon 4 of APOE is a stronger predictor of Alzheimer risk in Sicily than in continental South Italy. *Neuroscience Letters*, **2005**, 388, 168-72	3.3	21
117	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	5.9	21
116	Biliary excretion of cobalamin and cobalamin analogues in man. *Digestion*, **1984**, 30, 151-7	3.6	21
115	Vitamin B12-impaired metabolism produces apoptosis and Parkinson phenotype in rats expressing the transcobalamin-oleosin chimera in substantia nigra. *PLoS ONE*, **2009**, 4, e8268	3.7	21
114	Elastase and exacerbation of neutrophil innate immunity are involved in multi-visceral manifestations of COVID-19. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 1846-1858	9.3	21
113	Gastric intrinsic factor deficiency with combined GIF heterozygous mutations and FUT2 secretor variant. *Biochimie*, **2013**, 95, 995-1001	4.6	20
112	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, 143-8	3.7	20
111	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	9.4	19
110	Inherited disorders of cobalamin metabolism disrupt nucleocytoplasmic transport of mRNA through impaired methylation/phosphorylation of ELAVL1/HuR. *Nucleic Acids Research*, **2018**, 46, 7844-7857	20.1	19
109	Luminal expression of cubilin is impaired in Imerslund-Grasbeck syndrome with compound AMN mutations in intron 3 and exon 7. *Haematologica*, **2011**, 96, 1715-9	6.6	19
108	Cobalamin potentiates vinblastine cytotoxicity through downregulation of mdr-1 gene expression in HepG2 cells. *Cellular Physiology and Biochemistry*, **2007**, 20, 967-76	3.9	19
107	Methionine synthase and methionine synthase reductase interact with MMACHC and with MMADHC. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 103-112	6.9	18

106	Early methyl donor deficiency produces severe gastritis in mothers and offspring through N-homocysteinylation of cytoskeleton proteins, cellular stress, and inflammation. *FASEB Journal*, **2013**, 27, 2185-97	0.9	18
105	Influence of preconditioning-like hypoxia on the liver of developing methyl-deficient rats. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 293, E1492-502	6	18
104	Comparison of effects of ioxaglate versus iomeprol on histamine and tryptase release in patients with ischemic cardiomyopathy. *American Journal of Cardiology*, **2001**, 88, 185-8, A6	3	18
103	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	5.9	18
102	Purification of human intrinsic factor using high-performance ion-exchange chromatography as the final step. *FEBS Letters*, **1985**, 184, 14-9	3.8	18
101	Sirt1-PPARS Cross-Talk in Complex Metabolic Diseases and Inherited Disorders of the One Carbon Metabolism. *Cells*, **2020**, 9,	7.9	18
100	Variants of CEP68 gene are associated with acute urticaria/angioedema induced by multiple non-steroidal anti-inflammatory drugs. *PLoS ONE*, **2014**, 9, e90966	3.7	17
99	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	8.1	16
98	Folate can promote the methionine-dependent reprogramming of glioblastoma cells towards pluripotency. *Cell Death and Disease*, **2019**, 10, 596	9.8	16
97	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, 312-20	6.3	16
96	Helicobacter pylori serologic status has no influence on the association between fucosyltransferase 2 polymorphism (FUT2 461 G->A) and vitamin B-12 in Europe and West Africa. *American Journal of Clinical Nutrition*, **2012**, 95, 514-21	7	16
95	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,	6.3	15
94	Coronavirus disease 2019: acute Fanconi syndrome precedes acute kidney injury. *CKJ: Clinical Kidney Journal*, **2020**, 13, 362-370	4.5	15
93	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	4.2	15
92	Urinary tract infections in hospitalized inflammatory bowel disease patients: a 10-year experience. *Inflammatory Bowel Diseases*, **2012**, 18, 697-702	4.5	15
91	Differentiation and neural integration of hippocampal neuronal progenitors: signaling pathways sequentially involved. *Hippocampus*, **2010**, 20, 949-61	3.5	15
90	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	3.3	15
89	Allele varepsilon4 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, 129-31	3.3	15

88	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	6.2	15
87	Non-injurious neonatal hypoxia confers resistance to brain senescence in aged male rats. *PLoS ONE*, **2012**, 7, e48828	3.7	14
86	Anchoring secreted proteins in endoplasmic reticulum by plant oleosin: the example of vitamin B12 cellular sequestration by transcobalamin. *PLoS ONE*, **2009**, 4, e6325	3.7	14
85	Relapsed diffuse large B-cell lymphoma present different genomic profiles between early and late relapses. *Oncotarget*, **2016**, 7, 83987-84002	3.3	14
84	SIRT1 activation rescues the mislocalization of RNA-binding proteins and cognitive defects induced by inherited cobalamin disorders. *Metabolism: Clinical and Experimental*, **2019**, 101, 153992	12.7	13
83	Association of 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	7	13
82	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, E1009-19	6	13
81	Methionine synthase A2756G polymorphism may predict ulcerative colitis and methylenetetrahydrofolate reductase C677T pancolitis, in Central China. *BMC Medical Genetics*, **2008**, 9, 78	2.1	13
80	Genetic animal models to decipher the pathogenic effects of vitamin B12 and folate deficiency. *Biochimie*, **2016**, 126, 43-51	4.6	13
79	Efficacy of low dose nitisinone in the management of alkaptonuria. *Molecular Genetics and Metabolism*, **2019**, 127, 184-190	3.7	12
78	Ocular symptoms are not predictive of ophthalmologic inflammation in inflammatory bowel disease. *Digestive and Liver Disease*, **2013**, 45, 195-9	3.3	12
77	Myocardium proteome remodelling after nutritional deprivation of methyl donors. *Journal of Nutritional Biochemistry*, **2013**, 24, 1241-50	6.3	12
76	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	6.2	12
75	Blood myeloperoxidase-DNA, a biomarker of early response to SARS-CoV-2 infection?. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 892-896	9.3	12
74	Foetal programming by methyl donor deficiency produces steato-hepatitis in rats exposed to high fat diet. *Scientific Reports*, **2016**, 6, 37207	4.9	11
73	NOD2 gene variant is a risk factor for postoperative complications in patients with Crohn's disease: A genetic association study. *Surgery*, **2016**, 160, 74-80	3.6	11
72	Gastric intrinsic factor and its receptor. *Best Practice and Research: Clinical Haematology*, **1995**, 8, 515-31		11
71	Genetic variants associated with T cell-mediated cutaneous adverse drug reactions: A PRISMA-compliant systematic review-An EAACI position paper. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 1069-1098	9.3	11

70	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	4.6	11
69	Expanding the clinical spectrum of STIP1 homology and U-box containing protein 1-associated ataxia. *Journal of Neurology*, **2021**, 268, 1927-1937	5.5	11
68	MTHFR 677C -> 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	3.7	10
67	Exome-Wide Association Study Identifies New Low-Frequency and Rare UGT1A1 Coding Variants and UGT1A6 Coding Variants Influencing Serum Bilirubin in Elderly Subjects: A Strobe Compliant Article. *Medicine (United States)*, **2015**, 94, e925	1.8	10
66	CARD8 gene variant is a risk factor for recurrent surgery in patients with Crohn's disease. *Digestive and Liver Disease*, **2015**, 47, 938-42	3.3	10
65	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	7	9
64	N-homocysteinylation of tau and MAP1 is increased in autopsy specimens of Alzheimer's disease and vascular dementia. *Journal of Pathology*, **2019**, 248, 291-303	9.4	9
63	Homocysteine increases methionine synthase mRNA level in Caco-2 cells. *Cellular Physiology and Biochemistry*, **2004**, 14, 407-14	3.9	9
62	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	6.3	8
61	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	6.3	8
60	Methylenetetrahydrofolate reductase 677 T allele protects against persistent HBV infection in West Africa. *Journal of Hepatology*, **2008**, 48, 532-9	13.4	8
59	Mice deficient in cystathionine beta synthase display altered homocysteine remethylation pathway. *Molecular Genetics and Metabolism*, **2007**, 91, 396-8	3.7	8
58	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	7	8
57	Extracellular vesicles as immune mediators in response to kidney injury. *American Journal of Physiology - Renal Physiology*, **2018**, 314, F9-F21	4.3	7
56	Folinic acid improves the score of Autism in the EFFET placebo-controlled randomized trial. *Biochimie*, **2020**, 173, 57-61	4.6	7
55	GNAI2 variants predict nonsteroidal anti-inflammatory drug hypersensitivity in a genome-wide study. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 1250-1253	9.3	7
54	Gestational methyl donor deficiency alters key proteins involved in neurosteroidogenesis in the olfactory bulbs of newborn female rats and is associated with impaired olfactory performance. *British Journal of Nutrition*, **2014**, 111, 1021-31	3.6	6
53	Plasma soluble triggering receptor expressed on myeloid cells-1 in Crohn's disease. *Digestive and Liver Disease*, **2012**, 44, 466-70	3.3	6

52	Familial pernicious anaemia with hyperhomocysteinaemia in recurrent early pregnancy loss. *Thrombosis and Haemostasis*, **2004**, 92, 1147-1149	7	6
51	One carbon metabolism and bone homeostasis and remodeling: A review of experimental research and population studies. *Biochimie*, **2016**, 126, 115-23	4.6	6
50	Brain Susceptibility to Methyl Donor Deficiency: From Fetal Programming to Aging Outcome in Rats. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	6
49	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,	6.3	5
48	Using logic programming for modeling the one-carbon metabolism network to study the impact of folate deficiency on methylation processes. *Molecular BioSystems*, **2011**, 7, 2508-21		5
47	coding variants are associated with a high risk of hepatocellular carcinoma occurrence in patients with HCV- or HBV-related liver disease. *Oncotarget*, **2017**, 8, 62842-62857	3.3	5
46	Genetic Predictors of Drug Hypersensitivity. *Current Pharmaceutical Design*, **2016**, 22, 6725-6733	3.3	5
45	Cystathionine β-synthase genetic variant rs2124459 is associated with a reduced risk of cleft palate in French and Belgian populations. *Journal of Medical Genetics*, **2016**, 53, 828-834	5.8	5
44	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, 154-9	7	5
43	Association of vitamin B12, folate and homocysteine with functional and pathological characteristics of the elderly in a mountainous village in Sicily. *Clinical Chemistry and Laboratory Medicine*, **2007**, 45, 136-42	5.9	4
42	Reply to L Cordain and MS Hickey. *American Journal of Clinical Nutrition*, **2006**, 84, 1244-1245	7	4
41	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	5.5	4
40	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	7	4
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