Jean-Louis Gueant

List of Publications by Year in Descending Order

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	Common genetic variation in alcohol-related hepatocellular carcinoma: a case-control genome-wide association study.. *Lancet Oncology, The*, **2022**, 23, 161-171	21.7	1
194	Vitamin B12 absorption and malabsorption.. *Vitamins and Hormones*, **2022**, 119, 241-274	2.5	0
193	Behavioral profile of vitamin B deficiency: A reflection of impaired brain development, neuronal stress and altered neuroplasticity.. *Vitamins and Hormones*, **2022**, 119, 377-404	2.5	1
192	Epimutation in inherited metabolic disorders: the influence of aberrant transcription in adjacent genes.. *Human Genetics*, **2022**, 1	6.3	2
191	Epimutations in both the TESK2 and MMACHC promoters in the Epi-cblC inherited disorder of intracellular metabolism of vitamin B.. *Clinical Epigenetics*, **2022**, 14, 52	7.7	1
190	Next-generation sequencing and genotype association studies reveal the association of HLA-DRB3*02:02 with delayed hypersensitivity to penicillins. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**,	9.3	2
189	Causes and consequences of impaired methionine synthase activity in acquired and inherited disorders of vitamin B metabolism. *Critical Reviews in Biochemistry and Molecular Biology*, **2021**, 1-23	8.7	3
188	Ocular manifestations in patients with inborn errors of intracellular cobalamin metabolism: a systematic review. *Human Genetics*, **2021**, 1	6.3	0
187	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*,	7	4
186	Programming by Methyl Donor Deficiency during Pregnancy and Lactation Produces Cardiomyopathy in Adult Rats Subjected to High Fat Diet. *Molecular Nutrition and Food Research*, **2021**, 65, e2100065	5.9	0
185	Fetal Programming by Methyl Donor Deficiency Produces Pathological Remodeling of the Ascending Aorta. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 1928-1941	9.4	1
184	Vitamin B Deficiency Dysregulates m6A mRNA Methylation of Genes Involved in Neurological Functions. *Molecular Nutrition and Food Research*, **2021**, 65, e2100206	5.9	1
183	Medium term post-bariatric surgery deficit of vitamin B12 is predicted by deficit at time of surgery. *Clinical Nutrition*, **2021**, 40, 87-93	5.9	2
182	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
181	Beneficial and deleterious effects of sitagliptin on a methionine/choline-deficient diet-induced steatohepatitis in rats. *Biochimie*, **2021**, 181, 240-248	4.6	
180	Glucocorticoid Receptor Activation Restores Learning Memory by Modulating Hippocampal Plasticity in a Mouse Model of Brain Vitamin B Deficiency. *Molecular Neurobiology*, **2021**, 58, 1024-1035	6.2	2
179	Influence des rgimes vgtariens sur le statut nutritionnel et mtabolique et le risque de maladies chroniques. *Bulletin De LkAcademie Nationale De Medecine*, **2021**, 205, 30-35	0.1	0

178	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
177	PRDX1 gene-related epi-cblC disease is a common type of inborn error of cobalamin metabolism with mono- or bi-allelic MMACHC epimutations. *Clinical Epigenetics*, **2021**, 13, 137	7.7	4
176	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*, **2021**, 1	6.3	0
175	A bi-allelic loss-of-function SARS1 variant in children with neurodevelopmental delay, deafness, cardiomyopathy, and decompensation during fever. *Human Mutation*, **2021**, 42, 1576-1583	4.7	0
174	Positioning Digital Tracing Applications in the Management of the COVID-19 Pandemic in France. *Journal of Medical Internet Research*, **2021**, 23, e27301	7.6	1
173	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
172	Ionizing radiations induce shared epigenomic signatures unraveling adaptive mechanisms of cancerous cell lines with or without methionine dependency. *Clinical Epigenetics*, **2021**, 13, 212	7.7	
171	The Stimulation of Neurogenesis Improves the Cognitive Status of Aging Rats Subjected to Gestational and Perinatal Deficiency of B9-12 Vitamins. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
170	Prolonged 25-OH Vitamin D Deficiency Does Not Impair Bone Mineral Density in Adult Patients With Vitamin D 25-Hydroxylase Deficiency (CYP2R1). *Calcified Tissue International*, **2020**, 107, 191-194	3.9	1
169	Biochemical analysis of patients with mutations in MTHFD1 and a diagnosis of methylenetetrahydrofolate dehydrogenase 1 deficiency. *Molecular Genetics and Metabolism*, **2020**, 130, 179-182	3.7	3
168	Coronavirus disease 2019: acute Fanconi syndrome precedes acute kidney injury. *CKJ: Clinical Kidney Journal*, **2020**, 13, 362-370	4.5	15
167	Health outcomes associated with vegetarian diets: An umbrella review of systematic reviews and meta-analyses. *Clinical Nutrition*, **2020**, 39, 3283-3307	5.9	23
166	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
165	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
164	Mechanisms of homocysteine-induced damage to the endothelial, medial and adventitial layers of the arterial wall. *Biochimie*, **2020**, 173, 100-106	4.6	34
163	Folinic acid improves the score of Autism in the EFFET placebo-controlled randomized trial. *Biochimie*, **2020**, 173, 57-61	4.6	7
162	Analysis of fibroblasts from patients with cblC and cblG genetic defects of cobalamin metabolism reveals global dysregulation of alternative splicing. *Human Molecular Genetics*, **2020**, 29, 1969-1985	5.6	3
161	IgE-mediated anaphylactic reaction against free synthetic folic acid and methyl folate. *Journal of Allergy and Clinical Immunology: in Practice*, **2020**, 8, 809-811	5.4	1

160	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
159	Population and evolutionary genetics of the PAH locus to uncover overdominance and adaptive mechanisms in phenylketonuria: Results from a multiethnic study. *EBioMedicine*, **2020**, 51, 102623	8.8	3
158	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
157	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
156	The Fate of Transplanted Olfactory Progenitors Is Conditioned by the Cell Phenotypes of the Receiver Brain Tissue in Cocultures. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
155	Sirt1-PPARS Cross-Talk in Complex Metabolic Diseases and Inherited Disorders of the One Carbon Metabolism. *Cells*, **2020**, 9,	7.9	18
154	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
153	Mutations in MTHFR and POLG impaired activity of the mitochondrial respiratory chain in 46-year-old twins with spastic paraparesis. *Journal of Human Genetics*, **2020**, 65, 91-98	4.3	3
152	Thyroid hormone and folinic acid in young children with Down syndrome: the phase 3 ACTHYF trial. *Genetics in Medicine*, **2020**, 22, 44-52	8.1	3
151	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
150	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
149	Efficacy of low dose nitisinone in the management of alkaptonuria. *Molecular Genetics and Metabolism*, **2019**, 127, 184-190	3.7	12
148	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
147	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
146	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
145	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
144	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
143	Wnt Signaling Pathways Are Dysregulated in Rat Female Cerebellum Following Early Methyl Donor Deficiency. *Molecular Neurobiology*, **2019**, 56, 892-906	6.2	3

142	Folate can promote the methionine-dependent reprogramming of glioblastoma cells towards pluripotency. *Cell Death and Disease*, **2019**, 10, 596	9.8	16
141	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
140	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
139	Brain Susceptibility to Methyl Donor Deficiency: From Fetal Programming to Aging Outcome in Rats. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	6
138	Plasma mSEPT9: A Novel Circulating Cell-free DNA-Based Epigenetic Biomarker to Diagnose Hepatocellular Carcinoma. *EBioMedicine*, **2018**, 30, 138-147	8.8	66
137	APRDX1 mutant allele causes a MMACHC secondary epimutation in cblC patients. *Nature Communications*, **2018**, 9, 67	17.4	45
136	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
135	Extracellular vesicles as immune mediators in response to kidney injury. *American Journal of Physiology - Renal Physiology*, **2018**, 314, F9-F21	4.3	7
134	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
133	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
132	Une mutation transgénérationnelle du gène MMACHC produit un nouveau type d'erreur innée du métabolisme d'homme à pi-cblC. *Bulletin De L'Academie Nationale De Medecine*, **2018**, 202, 1585-1596	0.1	
131	Production of Elastin-Derived Peptides Contributes to the Development of Nonalcoholic Steatohepatitis. *Diabetes*, **2018**, 67, 1604-1615	0.9	24
130	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
129	Maternal Folate, Methyl Donors, One-Carbon Metabolism, Vitamin B12 and Choline in Foetal Programming **2017**, 293-307		
128	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
127	Vitamin B deficiency. *Nature Reviews Disease Primers*, **2017**, 3, 17040	51.1	287
126	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
125	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

124	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
123	Methyl donor deficiency impairs bone development via peroxisome proliferator-activated receptor-γ coactivator-1α dependent vitamin D receptor pathway. *FASEB Journal*, **2016**, 30, 3598-3612	0.9	3
122	Foetal programming by methyl donor deficiency produces steato-hepatitis in rats exposed to high fat diet. *Scientific Reports*, **2016**, 6, 37207	4.9	11
121	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
120	Genetic Predictors of Drug Hypersensitivity. *Current Pharmaceutical Design*, **2016**, 22, 6725-6733	3.3	5
119	Relapsed diffuse large B-cell lymphoma present different genomic profiles between early and late relapses. *Oncotarget*, **2016**, 7, 83987-84002	3.3	14
118	Mutation Update and Review of Severe Methylenetetrahydrofolate Reductase Deficiency. *Human Mutation*, **2016**, 37, 427-38	4.7	58
117	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
116	One carbon metabolism and bone homeostasis and remodeling: A review of experimental research and population studies. *Biochimie*, **2016**, 126, 115-23	4.6	6
115	Genetic animal models to decipher the pathogenic effects of vitamin B12 and folate deficiency. *Biochimie*, **2016**, 126, 43-51	4.6	13
114	The importance of gene-environment interactions in human obesity. *Clinical Science*, **2016**, 130, 1571-97	6.5	96
113	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
112	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
111	WWOX-related encephalopathies: delineation of the phenotypical spectrum and emerging genotype-phenotype correlation. *Journal of Medical Genetics*, **2015**, 52, 61-70	5.8	52
110	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
109	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
108	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
107	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

106	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
105	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
104	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
103	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
102	CARM1 and PRMT1 are dysregulated in lung cancer without hierarchical features. *Biochimie*, **2014**, 97, 210-8	4.6	49
101	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
100	La vitamine B12 et les maladies gh†tiques associès. *Bulletin De L'Academie Nationale De Medecine*, **2014**, 198, 1141-1156	0.1	2
99	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
98	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
97	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
96	Gastric intrinsic factor deficiency with combined GIF heterozygous mutations and FUT2 secretor variant. *Biochimie*, **2013**, 95, 995-1001	4.6	20
95	Ocular symptoms are not predictive of ophthalmologic inflammation in inflammatory bowel disease. *Digestive and Liver Disease*, **2013**, 45, 195-9	3.3	12
94	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
93	Myocardium proteome remodelling after nutritional deprivation of methyl donors. *Journal of Nutritional Biochemistry*, **2013**, 24, 1241-50	6.3	12
92	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
91	Folate and fetal programming: a play in epigenomics?. *Trends in Endocrinology and Metabolism*, **2013**, 24, 279-89	8.8	121
90	Genome-wide association study in NSAID-induced acute urticaria/angioedema in Spanish and Han Chinese populations. *Pharmacogenomics*, **2013**, 14, 1857-69	2.6	27
89	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

88	Methyl donor deficiency affects small-intestinal differentiation and barrier function in rats. *British Journal of Nutrition*, **2013**, 109, 667-77	3.6	23
87	Submucosal plexitis as a predictor of postoperative surgical recurrence in Crohn's disease. *Inflammatory Bowel Diseases*, **2013**, 19, 1654-61	4.5	28
86	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
85	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
84	Plasma soluble triggering receptor expressed on myeloid cells-1 in Crohn's disease. *Digestive and Liver Disease*, **2012**, 44, 466-70	3.3	6
83	Increased homocysteinemia is associated with beneficial effects on body weight after long-term high-protein, low-fat diet in rats. *Nutrition*, **2012**, 28, 932-6	4.8	3
82	Non-injurious neonatal hypoxia confers resistance to brain senescence in aged male rats. *PLoS ONE*, **2012**, 7, e48828	3.7	14
81	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
80	Urinary tract infections in hospitalized inflammatory bowel disease patients: a 10-year experience. *Inflammatory Bowel Diseases*, **2012**, 18, 697-702	4.5	15
79	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
78	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
77	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
76	Folates et programmation fœtale : rôle des mécanismes nutrigénomiques et épigénomiques. *Bulletin De L'Academie Nationale De Medecine*, **2012**, 196, 1829-1842	0.1	1
75	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
74	Homocysteine is a determinant of ApoA-I and both are associated with ankle brachial index, in an ambulatory elderly population. *Atherosclerosis*, **2011**, 214, 480-5	3.1	26
73	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
72	Methyl deficient diet aggravates experimental colitis in rats. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 2486-97	5.6	23
71	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

70	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
69	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
68	Differentiation and neural integration of hippocampal neuronal progenitors: signaling pathways sequentially involved. *Hippocampus*, **2010**, 20, 949-61	3.5	15
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	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
59	Methylenetetrahydrofolate reductase 677 T allele protects against persistent HBV infection in West Africa. *Journal of Hepatology*, **2008**, 48, 532-9	13.4	8
58	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
57	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
56	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
55	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
54	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
53	Vascular and cellular stress in inflammatory bowel disease: revisiting the role of homocysteine. *American Journal of Gastroenterology*, **2007**, 102, 1108-15	0.7	45

52	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
51	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
50	Association of thyroid dysfunction with vitamin B12, folate and plasma homocysteine levels in the elderly: a population-based study in Sicily. *Clinical Chemistry and Laboratory Medicine*, **2007**, 45, 143-7	5.9	3
49	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
48	Brief communication: tolerability of meropenem in patients with IgE-mediated hypersensitivity to penicillins. *Annals of Internal Medicine*, **2007**, 146, 266-9	8	98
47	Mice deficient in cystathionine beta synthase display altered homocysteine remethylation pathway. *Molecular Genetics and Metabolism*, **2007**, 91, 396-8	3.7	8
46	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
45	Imipenem in patients with immediate hypersensitivity to penicillins. *New England Journal of Medicine*, **2006**, 354, 2835-7	59.2	117
44	Hypersensitivity to aromatic anticonvulsants: in vivo and in vitro cross-reactivity studies. *Current Pharmaceutical Design*, **2006**, 12, 3373-81	3.3	37
43	Hypersensitivity reactions to iodinated contrast media. *Current Pharmaceutical Design*, **2006**, 12, 3359-72	3.3	52
42	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
41	Reply to L Cordain and MS Hickey. *American Journal of Clinical Nutrition*, **2006**, 84, 1244-1245	7	4
40	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
39	Heterogeneity of association between MTHFR and stroke among European regions: additional population studies are needed in Italy. *Stroke*, **2006**, 37, 761; author reply 761-2	6.7	3
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