Francesco Salvatore

List of Publications by Citations

320 papers	8,034 citations	44 h-index	71 g-index
328 ext. papers	9,067 ext. citations	5.5 avg, IF	5.65 L-index

#	Paper	IF	Citations
320	The complete sequence of a full length cDNA for human liver glyceraldehyde-3-phosphate dehydrogenase: evidence for multiple mRNA species. *Nucleic Acids Research*, **1984**, 12, 9179-89	20.1	374
319	The impact of nanoparticle protein corona on cytotoxicity, immunotoxicity and target drug delivery. *Nanomedicine*, **2016**, 11, 81-100	5.6	368
318	Neutrophilic-chronic myeloid leukemia: a distinct disease with a specific molecular marker (BCR/ABL with C3/A2 junction) [see comments]. *Blood*, **1996**, 88, 2410-2414	2.2	305
317	The role of the gut microbiome in the healthy adult status. *Clinica Chimica Acta*, **2015**, 451, 97-102	6.2	232
316	Genetic modifiers of liver disease in cystic fibrosis. *JAMA - Journal of the American Medical Association*, **2009**, 302, 1076-83	27.4	193
315	IgA antibodies to tissue transglutaminase: An effective diagnostic test for celiac disease. *Journal of Pediatrics*, **1999**, 134, 166-71	3.6	157
314	Ischemic neoangiogenesis enhanced by beta2-adrenergic receptor overexpression: a novel role for the endothelial adrenergic system. *Circulation Research*, **2005**, 97, 1182-9	15.7	140
313	Genotype-phenotype correlation in cystic fibrosis: the role of modifier genes. *American Journal of Medical Genetics Part A*, **2002**, 111, 88-95		135
312	Consistent amounts of acute leukemia-associated P190BCR/ABL transcripts are expressed by chronic myelogenous leukemia patients at diagnosis. *Blood*, **1996**, 87, 1075-1080	2.2	98
311	Metagenomics Reveals Dysbiosis and a Potentially Pathogenic N. flavescens Strain in Duodenum of Adult Celiac Patients. *American Journal of Gastroenterology*, **2016**, 111, 879-90	0.7	94
310	Novel synthetic, salt-resistant analogs of human beta-defensins 1 and 3 endowed with enhanced antimicrobial activity. *Antimicrobial Agents and Chemotherapy*, **2010**, 54, 2312-22	5.9	89
309	Unveiling the in Vivo Protein Corona of Circulating Leukocyte-like Carriers. *ACS Nano*, **2017**, 11, 3262-3273	13.7	87
308	Butyrate as an effective treatment of congenital chloride diarrhea. *Gastroenterology*, **2004**, 127, 630-4	13.3	87
307	BCR/ABL genes and leukemic phenotype: from molecular mechanisms to clinical correlations. *Oncogene*, **2002**, 21, 8652-67	9.2	86
306	Quantitative analysis of S-adenosylmethionine and S-adenosylhomocysteine in animal tissues. *Analytical Biochemistry*, **1971**, 41, 16-28	3.1	79
305	Significant reduction of the hybrid BCR/ABL transcripts after induction and consolidation therapy is a powerful predictor of treatment response in adult Philadelphia-positive acute lymphoblastic leukemia. *Leukemia*, **2005**, 19, 628-35	10.7	77
304	Biomimetic carriers mimicking leukocyte plasma membrane to increase tumor vasculature permeability. *Scientific Reports*, **2016**, 6, 34422	4.9	76

303	AKT participates in endothelial dysfunction in hypertension. *Circulation*, **2004**, 109, 2587-93	16.7	73
302	Microbial diversity in natural whey cultures used for the production of Caciocavallo Silano PDO cheese. *International Journal of Food Microbiology*, **2008**, 124, 164-70	5.8	72
301	Epigenetic features of FoxP3 in children with cow's milk allergy. *Clinical Epigenetics*, **2016**, 8, 86	7.7	66
300	The personal human oral microbiome obscures the effects of treatment on periodontal disease. *PLoS ONE*, **2014**, 9, e86708	3.7	66
299	Molecular response to imatinib in late chronic-phase chronic myeloid leukemia. *Blood*, **2004**, 103, 2284-90	12.2	60
298	Significance of sarcomere gene mutations analysis in the end-stage phase of hypertrophic cardiomyopathy. *American Journal of Cardiology*, **2014**, 114, 769-76	3	56
297	Human aldolase A gene. Structural organization and tissue-specific expression by multiple promoters and alternate mRNA processing. *FEBS Journal*, **1988**, 174, 569-78		56
296	One-pot synthesis of pH-responsive hybrid nanogel particles for the intracellular delivery of small interfering RNA. *Biomaterials*, **2016**, 87, 57-68	15.6	55
295	The Molecular Hallmarks of the Serrated Pathway in Colorectal Cancer. *Cancers*, **2019**, 11,	6.6	54
294	Targeted metabolomics in the expanded newborn screening for inborn errors of metabolism. *Molecular BioSystems*, **2015**, 11, 1525-35		54
293	Red blood cells affect the margination of microparticles in synthetic microcapillaries and intravital microcirculation as a function of their size and shape. *Journal of Controlled Release*, **2015**, 217, 263-72	11.7	53
292	CD66c is a novel marker for colorectal cancer stem cell isolation, and its silencing halts tumor growth in vivo. *Cancer*, **2013**, 119, 729-38	6.4	53
291	Combined CD133/CD44 expression as a prognostic indicator of disease-free survival in patients with colorectal cancer. *Archives of Surgery*, **2012**, 147, 18-24		53
290	Enabling cytoplasmic delivery and organelle targeting by surface modification of nanocarriers. *Nanomedicine*, **2015**, 10, 1923-40	5.6	52
289	Differences in DNA methylation profile of Th1 and Th2 cytokine genes are associated with tolerance acquisition in children with IgE-mediated cow's milk allergy. *Clinical Epigenetics*, **2015**, 7, 38	7.7	52
288	Neutrophilic-chronic myeloid leukemia: low levels of p230 BCR/ABL mRNA and undetectable BCR/ABL protein may predict an indolent course. *Cancer*, **2002**, 94, 2416-25	6.4	52
287	Effects of the protein corona on liposome-liposome and liposome-cell interactions. *International Journal of Nanomedicine*, **2016**, 11, 3049-63	7.3	50
286	An altered gut microbiome profile in a child affected by Crohn's disease normalized after nutritional therapy. *American Journal of Gastroenterology*, **2013**, 108, 851-2	0.7	49

285	Comprehensive mutation analysis (20 families) of the choroideremia gene reveals a missense variant that prevents the binding of REP1 with Rab geranylgeranyl transferase. *Human Mutation*, **2011**, 32, 1460-9	4.7	47
284	Site-specific atherosclerotic plaques in the carotid arteries of middle-aged women from southern Italy: associations with traditional risk factors and oxidation markers. *Stroke*, **2001**, 32, 1953-9	6.7	47
283	SRp20: an overview of its role in human diseases. *Biochemical and Biophysical Research Communications*, **2013**, 436, 1-5	3.4	46
282	Identification and functional characterization of malignant hyperthermia mutation T1354S in the outer pore of the Cavalpha1S-subunit. *American Journal of Physiology - Cell Physiology*, **2010**, 299, C1345-54	5.4	46
281	Human anti-nucleolin recombinant immunoagent for cancer therapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 9418-23	11.5	45
280	The molecular analysis of BRCA1 and BRCA2: Next-generation sequencing supersedes conventional approaches. *Clinica Chimica Acta*, **2015**, 446, 221-5	6.2	45
279	Genetic history of cystic fibrosis mutations in Italy. I. Regional distribution. *Annals of Human Genetics*, **1997**, 61, 411-424	2.2	45
278	A paraoxonase gene polymorphism, PON 1 (55), as an independent risk factor for increased carotid intima-media thickness in middle-aged women. *Atherosclerosis*, **2003**, 167, 141-8	3.1	45
277	MECHANISM OF THE PROTECTION BY L-ORNITHINE-L-ASPARTATE MIXTURE AND BY L-ARGININE IN AMMONIA INTOXICATION. *Archives of Biochemistry and Biophysics*, **1964**, 107, 499-503	4.1	45
276	RBM5-AS1 Is Critical for Self-Renewal of Colon Cancer Stem-like Cells. *Cancer Research*, **2016**, 76, 5615-5627	10.1	44
275	Comparative metagenomic analysis of human gut microbiome composition using two different bioinformatic pipelines. *BioMed Research International*, **2014**, 2014, 325340	3	44
274	Protein cross-talk in CD133+ colon cancer cells indicates activation of the Wnt pathway and upregulation of SRp20 that is potentially involved in tumorigenicity. *Proteomics*, **2012**, 12, 2045-59	4.8	44
273	Novel mitochondrial protein interactors of immunoglobulin light chains causing heart amyloidosis. *FASEB Journal*, **2015**, 29, 4614-28	0.9	43
272	"Classical organic acidurias": diagnosis and pathogenesis. *Clinical and Experimental Medicine*, **2017**, 17, 305-323	4.9	43
271	BCR/ABL mRNA and the P210BCR/ABL Protein Are Downmodulated by Interferon-? in Chronic Myeloid Leukemia Patients. *Blood*, **1999**, 94, 2200-2207	2.2	43
270	Lung cancer metastatic cells detected in blood by reverse transcriptase-polymerase chain reaction and dot-blot analysis. *Journal of Clinical Oncology*, **1997**, 15, 3388-93	2.2	42
269	Detection of Five Rare Cystic Fibrosis Mutations Peculiar to Southern Italy: Implications in Screening for the Disease and Phenotype Characterization for Patients with Homozygote Mutations. *Clinical Chemistry*, **1999**, 45, 957-962	5.5	42
268	Isolation and nucleotide sequence of a full-length cDNA coding for aldolase B from human liver. *Nucleic Acids Research*, **1984**, 12, 7401-10	20.1	42

267	Engineered biomimetic nanovesicles show intrinsic anti-inflammatory properties for the treatment of inflammatory bowel diseases. *Nanoscale*, **2017**, 9, 14581-14591	7.7	41
266	Haemophilia A: molecular insights. *Clinical Chemistry and Laboratory Medicine*, **2007**, 45, 450-61	5.9	39
265	Determination of pseudouridine and other nucleosides in human blood serum by high-performance liquid chromatography. *Analytical Biochemistry*, **1983**, 130, 19-26	3.1	39
264	Comprehensive cystic fibrosis mutation epidemiology and haplotype characterization in a southern Italian population. *Annals of Human Genetics*, **2005**, 69, 15-24	2.2	38
263	Liver expression in cystic fibrosis could be modulated by genetic factors different from the cystic fibrosis transmembrane regulator genotype. *American Journal of Medical Genetics Part A*, **2001**, 98, 294-7		38
262	Proteotoxicity in cardiac amyloidosis: amyloidogenic light chains affect the levels of intracellular proteins in human heart cells. *Scientific Reports*, **2017**, 7, 15661	4.9	37
261	DNA sequence capture and next-generation sequencing for the molecular diagnosis of genetic cardiomyopathies. *Journal of Molecular Diagnostics*, **2014**, 16, 32-44	5.1	36
260	Fas-Mediated Modulation of Bcr/Abl in Chronic Myelogenous Leukemia Results in Differential Effects on Apoptosis. *Blood*, **1998**, 92, 981-989	2.2	36
259	Complete sequencing of Novosphingobium sp. PP1Y reveals a biotechnologically meaningful metabolic pattern. *BMC Genomics*, **2014**, 15, 384	4.5	35
258	Analysis of Dystrophin Gene Deletions Indicates that the Hinge III Region of the Protein Correlates with Disease Severity. *Annals of Human Genetics*, **2005**, 69, 253-259	2.2	35
257	A role for D-aspartate oxidase in schizophrenia and in schizophrenia-related symptoms induced by phencyclidine in mice. *Translational Psychiatry*, **2015**, 5, e512	8.6	34
256	Efficiency of Two Different Nine-Loci Short Tandem Repeat Systems for DNA Typing Purposes. *Clinical Chemistry*, **1999**, 45, 178-183	5.5	34
255	Genetic characterization of Italian patients with Bardet-Biedl syndrome and correlation to ocular, renal and audio-vestibular phenotype: identification of eleven novel pathogenic sequence variants. *BMC Medical Genetics*, **2017**, 18, 10	2.1	33
254	Proteomic Profiling of a Biomimetic Drug Delivery Platform. *Current Drug Targets*, **2015**, 16, 1540-7	3	33
253	Carotid artery remodeling in middle-aged women with the metabolic syndrome (from the "Progetto ATENA" study). *American Journal of Cardiology*, **2005**, 96, 1162-5	3	32
252	Decreased paraoxonase-2 expression in human carotids during the progression of atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2008**, 28, 594-600	9.4	31
251	Molecular epidemiology of phenylalanine hydroxylase deficiency in Southern Italy: a 96% detection rate with ten novel mutations. *Annals of Human Genetics*, **2007**, 71, 185-93	2.2	31
250	Structural and functional analysis of aldolase B mutants related to hereditary fructose intolerance. *FEBS Letters*, **2002**, 531, 152-6	3.8	31

249	Structure and expression of mouse aldolase genes. Brain-specific aldolase C amino acid sequence is closely related to aldolase A. *FEBS Journal*, **1986**, 156, 229-35		31
248	Cracking the Code of Human Diseases Using Next-Generation Sequencing: Applications, Challenges, and Perspectives. *BioMed Research International*, **2015**, 2015, 161648	3	30
247	Chimeric beta-defensin analogs, including the novel 3NI analog, display salt-resistant antimicrobial activity and lack toxicity in human epithelial cell lines. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 1701-8	5.9	30
246	A child cohort study from southern Italy enlarges the genetic spectrum of hypertrophic cardiomyopathy. *Clinical Genetics*, **2009**, 76, 91-101	4	30
245	Quantitative Analysis of Aldolase A mRNA in Liver Discriminates between Hepatocellular Carcinoma and Cirrhosis. *Clinical Chemistry*, **2000**, 46, 901-906	5.5	30
244	An ancestral host defence peptide within human β-defensin 3 recapitulates the antibacterial and antiviral activity of the full-length molecule. *Scientific Reports*, **2015**, 5, 18450	4.9	30
243	Distribution of human beta-defensin polymorphisms in various control and cystic fibrosis populations. *Genomics*, **2005**, 85, 574-81	4.3	29
242	Analysis of dystrophin gene deletions indicates that the hinge III region of the protein correlates with disease severity. *Annals of Human Genetics*, **2005**, 69, 253-9	2.2	29
241	The complete 12 Mb genome and transcriptome of Nonomuraea gerenzanensis with new insights into its duplicated "magic" RNA polymerase. *Scientific Reports*, **2016**, 6, 18	4.9	29
240	Cytometric and biochemical characterization of human breast cancer cells reveals heterogeneous myoepithelial phenotypes. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2012**, 81, 960-72	4.6	28
239	Lessons to be learned from the clinical management of a MEN 2A patient bearing a novel 634/640/700 mutation of the RET proto-oncogene. *Clinical Endocrinology*, **2012**, 77, 934-6	3.4	27
238	The first case of mitochondrial acetoacetyl-CoA thiolase deficiency identified by expanded newborn metabolic screening in Italy: the importance of an integrated diagnostic approach. *Journal of Inherited Metabolic Disease*, **2010**, 33 Suppl 3, S91-4	5.4	27
237	Functional and structural characterization of novel mutations and genotype-phenotype correlation in 51 phenylalanine hydroxylase deficient families from Southern Italy. *FEBS Journal*, **2009**, 276, 2048-59	5.7	27
236	De novo sequencing and assembly of the whole genome of Novosphingobium sp. strain PP1Y. *Journal of Bacteriology*, **2011**, 193, 4296	3.5	27
235	Total discrimination of peritoneal malignant ascites from cirrhosis- and hepatocarcinoma-associated ascites by assays of ascitic cholesterol and lactate dehydrogenase. *Clinical Chemistry*, **1994**, 40, 478-483	5.5	27
234	Altered expression of inflammation-related genes in human carotid atherosclerotic plaques. *Atherosclerosis*, **2012**, 220, 93-101	3.1	26
233	Rapid detection of mycoplasma in continuous cell lines using a selective biochemical test. *Leukemia Research*, **2008**, 32, 323-6	2.7	26
232	The multi-faceted aspects of the complex cardiac Nav1.5 protein in membrane function and pathophysiology. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2015**, 1854, 1502-9	4	25

231	Quality of Life (QoL) assessment in a cohort of patients with phenylketonuria. *BMC Public Health*, **2014**, 14, 1243	4.1	25
230	Functional foods and cardiometabolic diseases* International Task Force for Prevention of Cardiometabolic Diseases. *Nutrition, Metabolism and Cardiovascular Diseases*, **2014**, 24, 1272-300	4.5	25
229	Transcription factor TBX1 overexpression induces downregulation of proteins involved in retinoic acid metabolism: a comparative proteomic analysis. *Journal of Proteome Research*, **2009**, 8, 1515-26	5.6	25
228	Design and activity of a cyclic mini-β-defensin analog: a novel antimicrobial tool. *International Journal of Nanomedicine*, **2015**, 10, 6523-39	7.3	24
227	Altered brain protein expression profiles are associated with molecular neurological dysfunction in the PKU mouse model. *Journal of Neurochemistry*, **2014**, 129, 1002-12	6	24
226	ABCG2, a novel antigen to sort luminal progenitors of BRCA1- breast cancer cells. *Molecular Cancer*, **2014**, 13, 213	42.1	24
225	Functional characterization of ryanodine receptor (RYR1) sequence variants using a metabolic assay in immortalized B-lymphocytes. *Human Mutation*, **2009**, 30, E575-90	4.7	24
224	Differential distribution of aldolase A and C in the human central nervous system. *Journal of Neurocytology*, **2001**, 30, 957-65		24
223	Histidine regulation in Salmonella typhimurium. XVI. A sensitive radiochemical assay for histidinol dehydrogenase. *Analytical Biochemistry*, **1975**, 63, 44-55	3.1	24
222	Characterization of two novel cell lines, DERL-2 (CD56+/CD3+/Tcry5+) and DERL-7 (CD56+/CD3-/TCRgammadelta-), derived from a single patient with CD56+ non-Hodgkin lymphoma. *Leukemia*, **2001**, 15, 1641-9	10.7	23
221	Modified nucleosides in body fluids of tumor-bearing patients. *Recent Results in Cancer Research*, **1983**, 84, 360-77	1.5	23
220	Early pregnancy loss in celiac women: The role of genetic markers of thrombophilia. *Digestive and Liver Disease*, **2009**, 41, 717-20	3.3	22
219	Quality assessment in cytogenetic and molecular genetic testing: the experience of the Italian Project on Standardisation and Quality Assurance. *Clinical Chemistry and Laboratory Medicine*, **2004**, 42, 915-21	5.9	22
218	The gamma-glutamyltransferase isoenzyme pattern in serum as a signal discriminating between hepatobiliary diseases, including neoplasias.. *Clinical Chemistry*, **1988**, 34, 352-355	5.5	22
217	Comparative biochemistry of deamination of L-amino acids in elasmobranch and teleost fish. *Comparative Biochemistry and Physiology*, **1965**, 16, 303-9		22
216	The analysis of the inflorescence miRNome of the orchid Orchis italica reveals a DEF-like MADS-box gene as a new miRNA target. *PLoS ONE*, **2014**, 9, e97839	3.7	22
215	Citrulline blood levels as indicators of residual intestinal absorption in patients with short bowel syndrome. *Annals of Nutrition and Metabolism*, **2008**, 53, 137-42	4.5	21
214	Six novel alleles identified in Italian hereditary fructose intolerance patients enlarge the mutation spectrum of the aldolase B gene. *Human Mutation*, **2004**, 24, 534	4.7	21

213	Randomized controlled trial on the influence of dietary intervention on epigenetic mechanisms in children with cow's milk allergy: the EPICMA study. *Scientific Reports*, **2019**, 9, 2828	4.9	21
212	Biomarker discovery by proteomics-based approaches for early detection and personalized medicine in colorectal cancer. *Proteomics - Clinical Applications*, **2017**, 11, 1600072	3.1	20
211	Altered miR-193a-5p expression in children with cow's milk allergy. *Allergy: European Journal of Allergy and Clinical Immunology*, **2018**, 73, 379-386	9.3	20
210	Oropharyngeal microbiome evaluation highlights Neisseria abundance in active celiac patients. *Scientific Reports*, **2018**, 8, 11047	4.9	20
209	Biological role of mannose binding lectin: From newborns to centenarians. *Clinica Chimica Acta*, **2015**, 451, 78-81	6.2	20
208	Membrane protein 4F2/CD98 is a cell surface receptor involved in the internalization and trafficking of human β-Defensin 3 in epithelial cells. *Chemistry and Biology*, **2015**, 22, 217-28		20
207	A mannose-binding lectin-defective haplotype is a risk factor for gastric cancer. *Clinical Chemistry*, **2006**, 52, 1625-7	5.5	20
206	Human aldolase A natural mutants: relationship between flexibility of the C-terminal region and enzyme function. *Biochemical Journal*, **2004**, 380, 51-6	3.8	20
205	Diagnostic value of various serum antibodies detected by diverse methods in childhood celiac disease. *Clinical Chemistry*, **1996**, 42, 1838-1842	5.5	20
204	Differential diagnosis between hepatocellular carcinoma and cirrhosis through a discriminant function based on results for serum analytes. *Clinical Chemistry*, **1996**, 42, 1263-1269	5.5	20
203	Quantitative analysis of S-adenosylhomocysteine in liver. *Biochimica Et Biophysica Acta - General Subjects*, **1968**, 158, 461-4	4	20
202	Genetic analysis in a family affected by sick sinus syndrome may reduce the sudden death risk in a young aspiring competitive athlete. *International Journal of Cardiology*, **2014**, 170, e63-5	3.2	19
201	PEGylated helper-dependent adenoviral vector expressing human Apo A-I for gene therapy in LDLR-deficient mice. *Gene Therapy*, **2013**, 20, 1124-30	4	19
200	JURL-MK1 (c-kit(high)/CD30-/CD40-) and JURL-MK2 (c-kit(low)/CD30+/CD40+) cell lines: "two-sided" model for investigating leukemic megakaryocytopoiesis. *Leukemia*, **1997**, 11, 1554-64	10.7	19
199	Evaluation of circulating levels and renal clearance of natural amino acids in patients with Cushing's disease. *Journal of Endocrinological Investigation*, **2002**, 25, 142-51	5.2	19
198	A new human species of aldolase A mRNA from fibroblasts. *FEBS Journal*, **1987**, 164, 9-13		19
197	Cloning of several cDNA segments coding for human liver proteins.. *EMBO Journal*, **1983**, 2, 57-61	13	19
196	Prevention of ammonia toxicity by amino-acids concerned in the biosynthesis of urea. *Nature*, **1961**, 191, 705-6	50.4	19

195	Functional Studies and In Silico Analyses to Evaluate Non-Coding Variants in Inherited Cardiomyopathies. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	19
194	Changes in the MicroRNA Profile Observed in the Subcutaneous Adipose Tissue of Obese Patients after Laparoscopic Adjustable Gastric Banding. *Journal of Obesity*, **2017**, 2017, 6754734	3.7	18
193	Prenatal diagnosis of inherited diseases: 20 years' experience of an Italian Regional Reference Centre. *Clinical Chemistry and Laboratory Medicine*, **2013**, 51, 2211-7	5.9	18
192	Hereditary fructose intolerance: functional study of two novel ALDOB natural variants and characterization of a partial gene deletion. *Human Mutation*, **2010**, 31, 1294-303	4.7	18
191	Novel six-nucleotide deletion in the hepatic fructose-1,6-bisphosphate aldolase gene in a patient with hereditary fructose intolerance and enzyme structure-function implications. *European Journal of Human Genetics*, **1999**, 7, 409-14	5.3	18
190	Characterization of the transcription-initiation site and of the promoter region within the 5M flanking region of the human aldolase C gene. *FEBS Journal*, **1990**, 192, 805-11		18
189	Improved procedure for measuring gamma-glutamyltransferase isoenzymes in serum.. *Clinical Chemistry*, **1988**, 34, 419-422	5.5	18
188	A novel fully human anti-NCL immunoRNase for triple-negative breast cancer therapy. *Oncotarget*, **2016**, 7, 87016-87030	3.3	18
187	Effect of lifelong football training on the expression of muscle molecular markers involved in healthy longevity. *European Journal of Applied Physiology*, **2017**, 117, 721-730	3.4	17
186	Natural phenylalanine hydroxylase variants that confer a mild phenotype affect the enzyme's conformational stability and oligomerization equilibrium. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2011**, 1812, 1435-45	6.9	17
185	Quantitative liquid chromatography coupled with tandem mass spectrometry analysis of urinary acylglycines: application to the diagnosis of inborn errors of metabolism. *Analytical Biochemistry*, **2011**, 417, 122-8	3.1	17
184	Therapeutic angiogenesis in diabetic apolipoprotein E-deficient mice using bone marrow cells, functional hemangioblasts and metabolic intervention. *Atherosclerosis*, **2010**, 209, 403-14	3.1	17
183	Molecular epidemiology of cystic fibrosis mutations and haplotypes in southern Italy evaluated with an improved semiautomated robotic procedure. *Journal of Medical Genetics*, **1996**, 33, 475-9	5.8	17
182	Reference Intervals for Eight Modified Nucleosides in Serum in a Healthy Population from Italy and the United States. *Clinical Chemistry*, **1992**, 38, 671-677	5.5	17
181	Yield and clinical significance of genetic screening in elite and amateur athletes. *European Journal of Preventive Cardiology*, **2020**, 2047487320934265	3.9	16
180	Structural features of the regulatory ACT domain of phenylalanine hydroxylase. *PLoS ONE*, **2013**, 8, e79482	3.7	16
179	Carcinoembryonic antigen mRNA analysis detects micrometastatic cells in blood from lung cancer patients. *European Respiratory Journal*, **2003**, 22, 418-21	13.6	16
178	Denaturing HPLC procedure for factor IX gene scanning. *Clinical Chemistry*, **2003**, 49, 815-8	5.5	16

177	Haemophilia B: from molecular diagnosis to gene therapy. *Clinical Chemistry and Laboratory Medicine*, **2003**, 41, 445-51	5.9	16
176	Identification of a novel mutation in the ryanodine receptor gene (RYR1) in a malignant hyperthermia Italian family. *European Journal of Human Genetics*, **2000**, 8, 149-52	5.3	16
175	Molecular basis of hereditary fructose intolerance in Italy: identification of two novel mutations in the aldolase B gene. *Journal of Medical Genetics*, **1996**, 33, 786-8	5.8	16
174	Diagnostic efficiency in discriminating liver malignancies from cirrhosis by serum gamma-glutamyltransferase isoforms. *Clinica Chimica Acta*, **1988**, 177, 167-72	6.2	16
173	Serum from humans on long-term calorie restriction enhances stress resistance in cell culture. *Aging*, **2013**, 5, 599-606	5.6	16
172	Fast Detection of a BRCA2 Large Genomic Duplication by Next Generation Sequencing as a Single Procedure: A Case Report. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	15
171	Multicenter validation study for the certification of a CFTR gene scanning method using next generation sequencing technology. *Clinical Chemistry and Laboratory Medicine*, **2018**, 56, 1046-1053	5.9	15
170	No Change in the Mucosal Gut Mycobioma Is Associated with Celiac Disease-Specific Microbiome Alteration in Adult Patients. *American Journal of Gastroenterology*, **2016**, 111, 1659-1661	0.7	15
169	miR-138/miR-222 Overexpression Characterizes the miRNome of Amniotic Mesenchymal Stem Cells in Obesity. *Stem Cells and Development*, **2017**, 26, 4-14	4.4	15
168	Identification of a deletion in the NDUFS4 gene using array-comparative genomic hybridization in a patient with suspected mitochondrial respiratory disease. *Gene*, **2014**, 535, 376-9	3.8	15
167	Holt-Oram syndrome associated with anomalies of the feet. *American Journal of Medical Genetics, Part A*, **2008**, 146A, 1185-9	2.5	15
166	Direct detection of exon deletions/duplications in female carriers of and male patients with Duchenne/Becker muscular dystrophy. *Clinical Chemistry*, **2004**, 50, 1435-8	5.5	15
165	Transglutaminase 1 gene mutations in Italian patients with autosomal recessive lamellar ichthyosis. *Journal of Investigative Dermatology*, **2001**, 116, 809-12	4.3	15
164	Formation of uric acid from adenosylhomocysteine in rat liver. *International Journal of Biochemistry & Cell Biology*, **1974**, 5, 535-545		15
163	Solid-phase synthesis and pharmacological evaluation of novel nucleoside-tethered dinuclear platinum(II) complexes. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 5835-8	2.9	14
162	Gaining insights into the Bcr-Abl activity-independent mechanisms of resistance to imatinib mesylate in KCL22 cells: a comparative proteomic approach. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2010**, 1804, 1974-87	4	14
161	A larger spectrum of intragenic short tandem repeats improves linkage analysis and localization of intragenic recombination detection in the dystrophin gene: an analysis of 93 families from southern Italy. *Journal of Molecular Diagnostics*, **2007**, 9, 64-9	5.1	14
160	Functional and molecular modelling studies of two hereditary fructose intolerance-causing mutations at arginine 303 in human liver aldolase. *Biochemical Journal*, **2000**, 350, 823-828	3.8	14

159	The production of 15N-labelled S-adenosylmethionine and adenine by yeast biosynthesis. *Journal of Labelled Compounds*, **1968**, 4, 230-239		14
158	Pseudouridine excretion and transfer RNA primers for reverse transcriptase in tumors of retroviral origin. *Cancer Research*, **1985**, 45, 6260-3	10.1	14
157	Rapid Identification of HLA DQA1*0501, DQB1*0201, and DRB1*04 Alleles in Celiac Disease by a PCR-Based Methodology. *Clinical Chemistry*, **1997**, 43, 2204-2206	5.5	13
156	Characterization of red cell membrane proteins as a function of red cell density: annexin VII in different forms of hereditary spherocytosis. *FEBS Letters*, **2006**, 580, 6527-32	3.8	13
155	Genetic typing of Corallium rubrum. *Marine Biotechnology*, **2004**, 6, 511-5	3.4	13
154	A case of discordance between genotype and phenotype in a malignant hyperthermia family. *European Journal of Human Genetics*, **1999**, 7, 415-20	5.3	13
153	Pseudouridine and 1-ribosylpyridin-4-one-3-carboxamide (PCNR) serum concentrations in human immunodeficiency virus type 1-infected patients are independent predictors for AIDS progression. *Journal of Infectious Diseases*, **1996**, 174, 199-203	7	13
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