Donato Gemmati

List of Publications by Year in Descending Order

82 papers	2,373 citations	29 h-index	46 g-index
84 ext. papers	2,758 ext. citations	4.7 avg, IF	4.78 L-index

#	Paper	IF	Citations
82	Genetic variants associated with methotrexate-induced mucositis in cancer treatment: A systematic review and meta-analysis. *Critical Reviews in Oncology/Hematology*, **2021**, 161, 103312	7	4
81	Genetics and Epigenetics of One-Carbon Metabolism Pathway in Autism Spectrum Disorder: A Sex-Specific Brain Epigenome?. *Genes*, **2021**, 12,	4.2	6
80	-Segregation of c.1171C>T Stop Codon (p.R391*) in Gene and c.1691G>A Transition (p.R506Q) in Gene and Selected GWAS Multilocus Approach in Inherited Thrombophilia. *Genes*, **2021**, 12,	4.2	3
79	Sustainable Agriculture through Multidisciplinary Seed Nanopriming: Prospects of Opportunities and Challenges. *Cells*, **2021**, 10,	7.9	9
78	COVID-19 and Individual Genetic Susceptibility/Receptivity: Role of ACE1/ACE2 Genes, Immunity, Inflammation and Coagulation. Might the Double X-chromosome in Females Be Protective against SARS-CoV-2 Compared to the Single X-Chromosome in Males?. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	183
77	Profiling the mutational landscape of coagulation factor V deficiency. *Haematologica*, **2020**, 105, e180-e185	6.8	3
76	Sex/Gender-Specific Imbalance in CVD: Could Physical Activity Help to Improve Clinical Outcome Targeting CVD Molecular Mechanisms in Women?. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
75	Recent Advances in Plant Nanobionics and Nanobiosensors for Toxicology Applications. *Current Nanoscience*, **2020**, 16, 27-41	1.4	16
74	Can estrogens protect against COVID-19? The COVID-19 puzzling and gender medicine. *Minerva Ginecologica*, **2020**, 72, 178-179	1.2	3
73	Traditional Herbal Remedies with a Multifunctional Therapeutic Approach as an Implication in COVID-19 Associated Co-Infections. *Coatings*, **2020**, 10, 761	2.9	17
72	Genetic Hypothesis and Pharmacogenetics Side of Renin-Angiotensin-System in COVID-19. *Genes*, **2020**, 11,	4.2	20
71	Maternal Haplotypes in Promoter and Gene in Tuning Childhood Acute Lymphoblastic Leukemia Onset-Latency: Genetic/Epigenetic Mother/Child Dyad Study (GEMCDS). *Genes*, **2019**, 10,	4.2	6
70	TRAIL, OPG, and TWEAK in kidney disease: biomarkers or therapeutic targets?. *Clinical Science*, **2019** , 133, 1145-1166	6.5	14
69	Impact of methylenetetrahydrofolate reductase C677T polymorphism on the efficacy of photodynamic therapy in patients with neovascular age-related macular degeneration. *Scientific Reports*, **2019**, 9, 2614	4.9	2
68	Crosstalk Between Adipokines and Paraoxonase 1: A New Potential Axis Linking Oxidative Stress and Inflammation. *Antioxidants*, **2019**, 8,	7.1	8
67	Low-Frequency and Rare Variants in Italian Multiple Sclerosis Patients. *Frontiers in Genetics*, **2019**, 10, 573	4.5	8
66	"" Everything that Could Have Been Avoided If We Had Applied Gender Medicine, Pharmacogenetics and Personalized Medicine in the Gender-Omics and Sex-Omics Era. *International Journal of Molecular Sciences*, **2019**, 21,	6.3	31

65	Changes in Adipose Tissue Distribution and Association between Uric Acid and Bone Health during Menopause Transition. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	5
64	Redox metals homeostasis in multiple sclerosis and amyotrophic lateral sclerosis: a review. *Cell Death and Disease*, **2018**, 9, 348	9.8	60
63	Gene-gene interactions among coding genes of iron-homeostasis proteins and APOE-alleles in cognitive impairment diseases. *PLoS ONE*, **2018**, 13, e0193867	3.7	24
62	Inherited genetic predispositions in F13A1 and F13B genes predict abdominal adhesion formation: identification of gender prognostic indicators. *Scientific Reports*, **2018**, 8, 16916	4.9	10
61	Nanobiomaterials for vascular biology and wound management: A review. *Veins and Lymphatics*, **2018**, 7,	1.3	19
60	Gene Variant (V34L) and Residual Circulating FXIIIA Levels Predict Short- and Long-Term Mortality in Acute Myocardial Infarction after Coronary Angioplasty. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	13
59	Assessment of the interlaboratory variability and robustness of JAK2V617F mutation assays: A study involving a consortium of 19 Italian laboratories. *Oncotarget*, **2017**, 8, 32608-32617	3.3	4
58	The Active Metabolite of Warfarin (3'-Hydroxywarfarin) and Correlation with INR, Warfarin and Drug Weekly Dosage in Patients under Oral Anticoagulant Therapy: A Pharmacogenetics Study. *PLoS ONE*, **2016**, 11, e0162084	3.7	9
57	Coagulation Factor XIIIA (F13A1): Novel Perspectives in Treatment and Pharmacogenetics. *Current Pharmaceutical Design*, **2016**, 22, 1449-59	3.3	21
56	Effect of Factor XIII-A G185T Polymorphism on Visual Prognosis after Photodynamic Therapy for Neovascular Macular Degeneration. *International Journal of Molecular Sciences*, **2015**, 16, 19796-811	6.3	4
55	Meta-Analysis of Multiple Sclerosis Microarray Data Reveals Dysregulation in RNA Splicing Regulatory Genes. *International Journal of Molecular Sciences*, **2015**, 16, 23463-81	6.3	13
54	Factor XIII-A dynamics in acute myocardial infarction: a novel prognostic biomarker?. *Thrombosis and Haemostasis*, **2015**, 114, 123-32	7	17
53	Sudden sensorineural hearing loss and polymorphisms in iron homeostasis genes: new insights from a case-control study. *BioMed Research International*, **2015**, 2015, 834736	3	9
52	Functional variations modulating PRKCA expression and alternative splicing predispose to multiple sclerosis. *Human Molecular Genetics*, **2014**, 23, 6746-61	5.6	28
51	Risk of venous thromboembolism associated with single and combined effects of Factor V Leiden, Prothrombin 20210A and Methylenetethraydrofolate reductase C677T: a meta-analysis involving over 11,000 cases and 21,000 controls. *European Journal of Epidemiology*, **2013**, 28, 621-47	12.1	90
50	Polymorphisms in the genes coding for iron binding and transporting proteins are associated with disability, severity, and early progression in multiple sclerosis. *BMC Medical Genetics*, **2012**, 13, 70	2.1	26
49	Investigation of in vitro cytotoxicity of the redox state of ionic iron in neuroblastoma cells. *Journal of Neurosciences in Rural Practice*, **2012**, 3, 301-10	1.1	34
48	Genetic predictors of response to photodynamictherapy. *Molecular Diagnosis and Therapy*, **2011**, 15, 195-210	4.5	7

47	Genetic association and altered gene expression of mir-155 in multiple sclerosis patients. *International Journal of Molecular Sciences*, **2011**, 12, 8695-712	6.3	81
46	Pharmacogenetic aspects in therapeutic management of subfoveal choroidal neovascularisation: role of factor XIII-A 185 T-allele. *Current Drug Targets*, **2011**, 12, 138-48	3	9
45	Nanoengineering Approaches to Design Advanced Dental Materials for Clinical Applications. *Journal of Bionanoscience*, **2010**, 4, 53-65		8
44	Thrombophilia in the occurrence of retinal vascular infarction after photodynamic therapy with verteporfin using the standard protocol. *JAMA Ophthalmology*, **2010**, 128, 1632; author reply 1632-3		2
43	Interplay of iron metallobiology, metalloproteinases, and FXIII, and role of their gene variants in venous leg ulcer. *International Journal of Lower Extremity Wounds*, **2010**, 9, 166-79	1.6	35
42	Impact of coagulation-balance gene predictors on efficacy of photodynamic therapy for choroidal neovascularization in pathologic myopia. *Ophthalmology*, **2010**, 117, 517-23	7.3	12
41	Custom CGH array profiling of copy number variations (CNVs) on chromosome 6p21.32 (HLA locus) in patients with venous malformations associated with multiple sclerosis. *BMC Medical Genetics*, **2010**, 11, 64	2.1	20
40	Predictive role of C677T MTHFR polymorphism in variable efficacy of photodynamic therapy for neovascular age-related macular degeneration. *Pharmacogenomics*, **2009**, 10, 81-95	2.6	22
39	Temporal and genotype-driven variation of factor VII levels in patients with acute myocardial infarction. *Clinical and Applied Thrombosis/Hemostasis*, **2009**, 15, 119-22	3.3	3
38	DHFR 19-bp insertion/deletion polymorphism and MTHFR C677T in adult acute lymphoblastic leukaemia: is the risk reduction due to intracellular folate unbalancing?. *American Journal of Hematology*, **2009**, 84, 526-9	7.1	17
37	Gene polymorphisms in folate metabolizing enzymes in adult acute lymphoblastic leukemia: effects on methotrexate-related toxicity and survival. *Haematologica*, **2009**, 94, 1391-8	6.6	82
36	Multiple strokes in a newborn. *Ophthalmology*, **2009**, 116, 812-3, 813.e1-3	7.3	3
35	DNA-array of gene variants in venous leg ulcers: detection of prognostic indicators. *Journal of Vascular Surgery*, **2009**, 50, 1444-51	3.5	42
34	Predictive role of gene polymorphisms affecting thrombin-generation pathway in variable efficacy of photodynamic therapy for neovascular age-related macular degeneration. *Recent Patents on DNA & Gene Sequences*, **2009**, 3, 114-22		8
33	Time- and dose-dependent effects of chronic wound fluid on human adult dermal fibroblasts. *Dermatologic Surgery*, **2008**, 34, 347-56	1.7	11
32	Coagulation gene predictors of photodynamic therapy for occult choroidal neovascularization in age-related macular degeneration **2008**, 49, 3100-6		32
31	Time- and Dose-Dependent Effects of Chronic Wound Fluid on Human Adult Dermal Fibroblasts. *Dermatologic Surgery*, **2008**, 34, 347-356	1.7	10
30	Methylenetetrahydrofolate reductase C677T and A1298C gene variants in adult non-Hodgkin© lymphoma patients: association with toxicity and survival. *Haematologica*, **2007**, 92, 478-85	6.6	47

29	Poor responsiveness to clopidogrel: drug-specific or class-effect mechanism? Evidence from a clopidogrel-to-ticlopidine crossover study. *Journal of the American College of Cardiology*, **2007**, 50, 1132-7	15.1	69
28	Clinical implications of gene polymorphisms in venous leg ulcer: A model in tissue injury and reparative process. *Thrombosis and Haemostasis*, **2007**, 98, 131-137	7	22
27	Factor XIIIA-V34L and factor XIIIB-H95R gene variants: effects on survival in myocardial infarction patients. *Molecular Medicine*, **2007**, 13, 112-20	6.2	25
26	Proteoglycan synthesis in bovine articular cartilage explants exposed to different low-frequency low-energy pulsed electromagnetic fields. *Osteoarthritis and Cartilage*, **2007**, 15, 163-8	6.2	66
25	Predictive role of coagulation-balance gene polymorphisms in the efficacy of photodynamic therapy with verteporfin for classic choroidal neovascularization secondary to age-related macular degeneration. *Pharmacogenetics and Genomics*, **2007**, 17, 1039-46	1.9	35
24	Clinical implications of gene polymorphisms in venous leg ulcer: a model in tissue injury and reparative process. *Thrombosis and Haemostasis*, **2007**, 98, 131-7	7	8
23	Tissue factor and coagulation factor VII levels during acute myocardial infarction: association with genotype and adverse events. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 2800-6	9.4	46
22	Influence of gene polymorphisms in ulcer healing process after superficial venous surgery. *Journal of Vascular Surgery*, **2006**, 44, 554-62	3.5	37
21	Prognostic role of factor XIII gene variants in nonhealing venous leg ulcers. *Journal of Vascular Surgery*, **2006**, 44, 815-9	3.5	38
20	Value of platelet reactivity in predicting response to treatment and clinical outcome in patients undergoing primary coronary intervention: insights into the STRATEGY Study. *Journal of the American College of Cardiology*, **2006**, 48, 2178-85	15.1	125
19	Vision loss after PDT. *Ophthalmology*, **2006**, 113, 157	7.3	4
18	Hemochromatosis C282Y gene mutation increases the risk of venous leg ulceration. *Journal of Vascular Surgery*, **2005**, 42, 309-14	3.5	70
17	Serum iron and matrix metalloproteinase-9 variations in limbs affected by chronic venous disease and venous leg ulcers. *Dermatologic Surgery*, **2005**, 31, 644-9; discussion 649	1.7	24
16	Serum Iron and Matrix Metalloproteinase-9 Variations in Limbs Affected by Chronic Venous Disease and Venous Leg Ulcers. *Dermatologic Surgery*, **2005**, 31, 644-649	1.7	35
15	Reference materials (RMs) for analysis of the human factor II (prothrombin) gene G20210A mutation. *Clinical Chemistry and Laboratory Medicine*, **2005**, 43, 862-8	5.9	3
14	Factor XIII contrasts the effects of metalloproteinases in human dermal fibroblast cultured cells. *Vascular and Endovascular Surgery*, **2004**, 38, 431-8	1.4	29
13	Factor XIII V34L polymorphism modulates the risk of chronic venous leg ulcer progression and extension. *Wound Repair and Regeneration*, **2004**, 12, 512-7	3.6	35
12	Effects of physical stimulation with electromagnetic field and insulin growth factor-I treatment on proteoglycan synthesis of bovine articular cartilage. *Osteoarthritis and Cartilage*, **2004**, 12, 793-800	6.2	67

11	Prevalence of factor XIII Val34Leu polymorphism in patients affected by spontaneous subconjunctival hemorrhage. *American Journal of Ophthalmology*, **2004**, 138, 481-4	4.9	11
10	Common gene polymorphisms in the metabolic folate and methylation pathway and the risk of acute lymphoblastic leukemia and non-Hodgkin© lymphoma in adults. *Cancer Epidemiology Biomarkers and Prevention*, **2004**, 13, 787-94	4	55
9	Asymptomatic carriership of factor V Leiden and genotypes of the fibrinogen gene cluster. *British Journal of Haematology*, **2003**, 121, 632-8	4.5	4
8	Effects of Electromagnetic Fields on Proteoglycan Metabolism of Bovine Articular Cartilage Explants. *Connective Tissue Research*, **2003**, 44, 154-159	3.3	104
7	Effects of electromagnetic fields on proteoglycan metabolism of bovine articular cartilage explants. *Connective Tissue Research*, **2003**, 44, 154-9	3.3	41
6	Recurrent episodes of spontaneous subconjunctival hemorrhage in patients with factor XIII Val34Leu mutation. *American Journal of Ophthalmology*, **2002**, 134, 927-9	4.9	11
5	A common mutation in the gene for coagulation factor XIII-A (VAL34Leu): a risk factor for primary intracerebral hemorrhage is protective against atherothrombotic diseases. *American Journal of Hematology*, **2001**, 67, 183-8	7.1	89
4	Low folate levels and thermolabile methylenetetrahydrofolate reductase as primary determinant of mild hyperhomocystinemia in normal and thromboembolic subjects. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1999**, 19, 1761-7	9.4	63
3	A modified functional global test to measure protein C, protein S activities and the activated protein C-resistance phenotype. *Thrombosis Research*, **1998**, 92, 141-8	8.2	14
2	A photometric method for the dosage of factor XIII applied to the study of chronic hepatopathies. *Thrombosis Research*, **1995**, 78, 451-6	8.2	8
1	Detection of two missense mutations and characterization of a repeat polymorphism in the factor VII gene (F7). *Human Genetics*, **1992**, 89, 497-502	6.3	55