

# Donato Gemmati

## List of Publications by Citations

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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	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?. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 11, 1000	6.3	183
81	Value of platelet reactivity in predicting response to treatment and clinical outcome in patients undergoing primary coronary intervention: insights into the STRATEGY Study. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 48, 2178-85	15.1	125
80	Effects of Electromagnetic Fields on Proteoglycan Metabolism of Bovine Articular Cartilage Explants. <i>Connective Tissue Research</i> , <b>2003</b> , 44, 154-159	3.3	104
79	Risk of venous thromboembolism associated with single and combined effects of Factor V Leiden, Prothrombin 20210A and Methylenetetrahydrofolate reductase C677T: a meta-analysis involving over 11,000 cases and 21,000 controls. <i>European Journal of Epidemiology</i> , <b>2013</b> , 28, 621-47	12.1	90
78	A common mutation in the gene for coagulation factor XIII-A (VAL34Leu): a risk factor for primary intracerebral hemorrhage is protective against atherothrombotic diseases. <i>American Journal of Hematology</i> , <b>2001</b> , 67, 183-8	7.1	89
77	Gene polymorphisms in folate metabolizing enzymes in adult acute lymphoblastic leukemia: effects on methotrexate-related toxicity and survival. <i>Haematologica</i> , <b>2009</b> , 94, 1391-8	6.6	82
76	Genetic association and altered gene expression of mir-155 in multiple sclerosis patients. <i>International Journal of Molecular Sciences</i> , <b>2011</b> , 12, 8695-712	6.3	81
75	Hemochromatosis C282Y gene mutation increases the risk of venous leg ulceration. <i>Journal of Vascular Surgery</i> , <b>2005</b> , 42, 309-14	3.5	70
74	Poor responsiveness to clopidogrel: drug-specific or class-effect mechanism? Evidence from a clopidogrel-to-ticlopidine crossover study. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 50, 1132-7	15.1	69
73	Effects of physical stimulation with electromagnetic field and insulin growth factor-I treatment on proteoglycan synthesis of bovine articular cartilage. <i>Osteoarthritis and Cartilage</i> , <b>2004</b> , 12, 793-800	6.2	67
72	Proteoglycan synthesis in bovine articular cartilage explants exposed to different low-frequency low-energy pulsed electromagnetic fields. <i>Osteoarthritis and Cartilage</i> , <b>2007</b> , 15, 163-8	6.2	66
71	Low folate levels and thermolabile methylenetetrahydrofolate reductase as primary determinant of mild hyperhomocystinemia in normal and thromboembolic subjects. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1999</b> , 19, 1761-7	9.4	63
70	Redox metals homeostasis in multiple sclerosis and amyotrophic lateral sclerosis: a review. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 348	9.8	60
69	Detection of two missense mutations and characterization of a repeat polymorphism in the factor VII gene (F7). <i>Human Genetics</i> , <b>1992</b> , 89, 497-502	6.3	55
68	Common gene polymorphisms in the metabolic folate and methylation pathway and the risk of acute lymphoblastic leukemia and non-Hodgkin's lymphoma in adults. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2004</b> , 13, 787-94	4	55
67	Methylenetetrahydrofolate reductase C677T and A1298C gene variants in adult non-Hodgkin's lymphoma patients: association with toxicity and survival. <i>Haematologica</i> , <b>2007</b> , 92, 478-85	6.6	47
66	Tissue factor and coagulation factor VII levels during acute myocardial infarction: association with genotype and adverse events. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 2800-6	9.4	46

65	DNA-array of gene variants in venous leg ulcers: detection of prognostic indicators. <i>Journal of Vascular Surgery</i> , <b>2009</b> , 50, 1444-51	3.5	42
64	Effects of electromagnetic fields on proteoglycan metabolism of bovine articular cartilage explants. <i>Connective Tissue Research</i> , <b>2003</b> , 44, 154-9	3.3	41
63	Prognostic role of factor XIII gene variants in nonhealing venous leg ulcers. <i>Journal of Vascular Surgery</i> , <b>2006</b> , 44, 815-9	3.5	38
62	Influence of gene polymorphisms in ulcer healing process after superficial venous surgery. <i>Journal of Vascular Surgery</i> , <b>2006</b> , 44, 554-62	3.5	37
61	Interplay of iron metallobiology, metalloproteinases, and FXIII, and role of their gene variants in venous leg ulcer. <i>International Journal of Lower Extremity Wounds</i> , <b>2010</b> , 9, 166-79	1.6	35
60	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. <i>Pharmacogenetics and Genomics</i> , <b>2007</b> , 17, 1039-46	1.9	35
59	Factor XIII V34L polymorphism modulates the risk of chronic venous leg ulcer progression and extension. <i>Wound Repair and Regeneration</i> , <b>2004</b> , 12, 512-7	3.6	35
58	Serum Iron and Matrix Metalloproteinase-9 Variations in Limbs Affected by Chronic Venous Disease and Venous Leg Ulcers. <i>Dermatologic Surgery</i> , <b>2005</b> , 31, 644-649	1.7	35
57	Investigation of in vitro cytotoxicity of the redox state of ionic iron in neuroblastoma cells. <i>Journal of Neurosciences in Rural Practice</i> , <b>2012</b> , 3, 301-10	1.1	34
56	Coagulation gene predictors of photodynamic therapy for occult choroidal neovascularization in age-related macular degeneration <b>2008</b> , 49, 3100-6		32
55	"" Everything that Could Have Been Avoided If We Had Applied Gender Medicine, Pharmacogenetics and Personalized Medicine in the Gender-Omics and Sex-Omics Era. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 21,	6.3	31
54	Factor XIII contrasts the effects of metalloproteinases in human dermal fibroblast cultured cells. <i>Vascular and Endovascular Surgery</i> , <b>2004</b> , 38, 431-8	1.4	29
53	Functional variations modulating PRKCA expression and alternative splicing predispose to multiple sclerosis. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 6746-61	5.6	28
52	Polymorphisms in the genes coding for iron binding and transporting proteins are associated with disability, severity, and early progression in multiple sclerosis. <i>BMC Medical Genetics</i> , <b>2012</b> , 13, 70	2.1	26
51	Factor XIII A-V34L and factor XIII B-H95R gene variants: effects on survival in myocardial infarction patients. <i>Molecular Medicine</i> , <b>2007</b> , 13, 112-20	6.2	25
50	Gene-gene interactions among coding genes of iron-homeostasis proteins and APOE-alleles in cognitive impairment diseases. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193867	3.7	24
49	Serum iron and matrix metalloproteinase-9 variations in limbs affected by chronic venous disease and venous leg ulcers. <i>Dermatologic Surgery</i> , <b>2005</b> , 31, 644-9; discussion 649	1.7	24
48	Predictive role of C677T MTHFR polymorphism in variable efficacy of photodynamic therapy for neovascular age-related macular degeneration. <i>Pharmacogenomics</i> , <b>2009</b> , 10, 81-95	2.6	22

47	Clinical implications of gene polymorphisms in venous leg ulcer: A model in tissue injury and reparative process. <i>Thrombosis and Haemostasis</i> , <b>2007</b> , 98, 131-137	7	22
46	Coagulation Factor XIIIa (F13A1): Novel Perspectives in Treatment and Pharmacogenetics. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 1449-59	3.3	21
45	Custom CGH array profiling of copy number variations (CNVs) on chromosome 6p21.32 (HLA locus) in patients with venous malformations associated with multiple sclerosis. <i>BMC Medical Genetics</i> , <b>2010</b> , 11, 64	2.1	20
44	Genetic Hypothesis and Pharmacogenetics Side of Renin-Angiotensin-System in COVID-19. <i>Genes</i> , <b>2020</b> , 11,	4.2	20
43	Nanobiomaterials for vascular biology and wound management: A review. <i>Veins and Lymphatics</i> , <b>2018</b> , 7,	1.3	19
42	Factor XIII-A dynamics in acute myocardial infarction: a novel prognostic biomarker?. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 114, 123-32	7	17
41	DHFR 19-bp insertion/deletion polymorphism and MTHFR C677T in adult acute lymphoblastic leukaemia: is the risk reduction due to intracellular folate unbalancing?. <i>American Journal of Hematology</i> , <b>2009</b> , 84, 526-9	7.1	17
40	Traditional Herbal Remedies with a Multifunctional Therapeutic Approach as an Implication in COVID-19 Associated Co-Infections. <i>Coatings</i> , <b>2020</b> , 10, 761	2.9	17
39	Recent Advances in Plant Nanobionics and Nanobiosensors for Toxicology Applications. <i>Current Nanoscience</i> , <b>2020</b> , 16, 27-41	1.4	16
38	TRAIL, OPG, and TWEAK in kidney disease: biomarkers or therapeutic targets?. <i>Clinical Science</i> , <b>2019</b> , 133, 1145-1166	6.5	14
37	A modified functional global test to measure protein C, protein S activities and the activated protein C-resistance phenotype. <i>Thrombosis Research</i> , <b>1998</b> , 92, 141-8	8.2	14
36	Meta-Analysis of Multiple Sclerosis Microarray Data Reveals Dysregulation in RNA Splicing Regulatory Genes. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 23463-81	6.3	13
35	Gene Variant (V34L) and Residual Circulating FXIIIa Levels Predict Short- and Long-Term Mortality in Acute Myocardial Infarction after Coronary Angioplasty. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	13
34	Impact of coagulation-balance gene predictors on efficacy of photodynamic therapy for choroidal neovascularization in pathologic myopia. <i>Ophthalmology</i> , <b>2010</b> , 117, 517-23	7.3	12
33	Time- and dose-dependent effects of chronic wound fluid on human adult dermal fibroblasts. <i>Dermatologic Surgery</i> , <b>2008</b> , 34, 347-56	1.7	11
32	Prevalence of factor XIII Val34Leu polymorphism in patients affected by spontaneous subconjunctival hemorrhage. <i>American Journal of Ophthalmology</i> , <b>2004</b> , 138, 481-4	4.9	11
31	Recurrent episodes of spontaneous subconjunctival hemorrhage in patients with factor XIII Val34Leu mutation. <i>American Journal of Ophthalmology</i> , <b>2002</b> , 134, 927-9	4.9	11
30	Time- and Dose-Dependent Effects of Chronic Wound Fluid on Human Adult Dermal Fibroblasts. <i>Dermatologic Surgery</i> , <b>2008</b> , 34, 347-356	1.7	10

29	Inherited genetic predispositions in F13A1 and F13B genes predict abdominal adhesion formation: identification of gender prognostic indicators. <i>Scientific Reports</i> , <b>2018</b> , 8, 16916	4.9	10
28	Sudden sensorineural hearing loss and polymorphisms in iron homeostasis genes: new insights from a case-control study. <i>BioMed Research International</i> , <b>2015</b> , 2015, 834736	3	9
27	The Active Metabolite of Warfarin (3OHydroxywarfarin) and Correlation with INR, Warfarin and Drug Weekly Dosage in Patients under Oral Anticoagulant Therapy: A Pharmacogenetics Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0162084	3.7	9
26	Pharmacogenetic aspects in therapeutic management of subfoveal choroidal neovascularisation: role of factor XIII-A 185 T-allele. <i>Current Drug Targets</i> , <b>2011</b> , 12, 138-48	3	9
25	Sustainable Agriculture through Multidisciplinary Seed Nanoprimer: Prospects of Opportunities and Challenges. <i>Cells</i> , <b>2021</b> , 10,	7.9	9
24	Sex/Gender-Specific Imbalance in CVD: Could Physical Activity Help to Improve Clinical Outcome Targeting CVD Molecular Mechanisms in Women?. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	8
23	Crosstalk Between Adipokines and Paraoxonase 1: A New Potential Axis Linking Oxidative Stress and Inflammation. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	8
22	Low-Frequency and Rare Variants in Italian Multiple Sclerosis Patients. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 573	4.5	8
21	Nanoengineering Approaches to Design Advanced Dental Materials for Clinical Applications. <i>Journal of Bionanoscience</i> , <b>2010</b> , 4, 53-65		8
20	Predictive role of gene polymorphisms affecting thrombin-generation pathway in variable efficacy of photodynamic therapy for neovascular age-related macular degeneration. <i>Recent Patents on DNA &amp; Gene Sequences</i> , <b>2009</b> , 3, 114-22		8
19	A photometric method for the dosage of factor XIII applied to the study of chronic hepatopathies. <i>Thrombosis Research</i> , <b>1995</b> , 78, 451-6	8.2	8
18	Clinical implications of gene polymorphisms in venous leg ulcer: a model in tissue injury and reparative process. <i>Thrombosis and Haemostasis</i> , <b>2007</b> , 98, 131-7	7	8
17	Genetic predictors of response to photodynamictherapy. <i>Molecular Diagnosis and Therapy</i> , <b>2011</b> , 15, 195-210	4.5	7
16	Maternal Haplotypes in Promoter and Gene in Tuning Childhood Acute Lymphoblastic Leukemia Onset-Latency: Genetic/Epigenetic Mother/Child Dyad Study (GEMCDS). <i>Genes</i> , <b>2019</b> , 10,	4.2	6
15	Genetics and Epigenetics of One-Carbon Metabolism Pathway in Autism Spectrum Disorder: A Sex-Specific Brain Epigenome?. <i>Genes</i> , <b>2021</b> , 12,	4.2	6
14	Changes in Adipose Tissue Distribution and Association between Uric Acid and Bone Health during Menopause Transition. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	5
13	Effect of Factor XIII-A G185T Polymorphism on Visual Prognosis after Photodynamic Therapy for Neovascular Macular Degeneration. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 19796-811	6.3	4
12	Vision loss after PDT. <i>Ophthalmology</i> , <b>2006</b> , 113, 157	7.3	4

11	Asymptomatic carriership of factor V Leiden and genotypes of the fibrinogen gene cluster. <i>British Journal of Haematology</i> , <b>2003</b> , 121, 632-8	4-5	4
10	Assessment of the interlaboratory variability and robustness of JAK2V617F mutation assays: A study involving a consortium of 19 Italian laboratories. <i>Oncotarget</i> , <b>2017</b> , 8, 32608-32617	3-3	4
9	Genetic variants associated with methotrexate-induced mucositis in cancer treatment: A systematic review and meta-analysis. <i>Critical Reviews in Oncology/Hematology</i> , <b>2021</b> , 161, 103312	7	4
8	Profiling the mutational landscape of coagulation factor V deficiency. <i>Haematologica</i> , <b>2020</b> , 105, e180-e185	6-6	3
7	Temporal and genotype-driven variation of factor VII levels in patients with acute myocardial infarction. <i>Clinical and Applied Thrombosis/Hemostasis</i> , <b>2009</b> , 15, 119-22	3-3	3
6	Multiple strokes in a newborn. <i>Ophthalmology</i> , <b>2009</b> , 116, 812-3, 813.e1-3	7-3	3
5	Reference materials (RMs) for analysis of the human factor II (prothrombin) gene G20210A mutation. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2005</b> , 43, 862-8	5-9	3
4	Can estrogens protect against COVID-19? The COVID-19 puzzling and gender medicine. <i>Minerva Ginecologica</i> , <b>2020</b> , 72, 178-179	1-2	3
3	-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. <i>Genes</i> , <b>2021</b> , 12,	4-2	3
2	Impact of methylenetetrahydrofolate reductase C677T polymorphism on the efficacy of photodynamic therapy in patients with neovascular age-related macular degeneration. <i>Scientific Reports</i> , <b>2019</b> , 9, 2614	4-9	2
1	Thrombophilia in the occurrence of retinal vascular infarction after photodynamic therapy with verteporfin using the standard protocol. <i>JAMA Ophthalmology</i> , <b>2010</b> , 128, 1632; author reply 1632-3		2