# Georges M Nemer

## List of Publications by Citations



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|---|---|---|---|
| 110 papers | 2,913 citations | 26 h-index | 52 g-index |
| 136 ext. papers | 3,355 ext. citations | 4.1 avg, IF | 4.86 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 110 | A murine model of Holt-Oram syndrome defines roles of the T-box transcription factor Tbx5 in cardiogenesis and disease. *Cell*, **2001**, 106, 709-21 | 56.2 | 833 |
| 109 | Cooperative interaction between GATA-4 and GATA-6 regulates myocardial gene expression. *Molecular and Cellular Biology*, **1999**, 19, 4355-65 | 4.8 | 197 |
| 108 | A novel mutation in the GATA4 gene in patients with Tetralogy of Fallot. *Human Mutation*, **2006**, 27, 293-7 | 4.7 | 148 |
| 107 | Transcriptional activation of BMP-4 and regulation of mammalian organogenesis by GATA-4 and -6. *Developmental Biology*, **2003**, 254, 131-48 | 3.1 | 144 |
| 106 | A gain-of-function TBX20 mutation causes congenital atrial septal defects, patent foramen ovale and cardiac valve defects. *Journal of Medical Genetics*, **2010**, 47, 230-5 | 5.8 | 90 |
| 105 | Retinoids: a journey from the molecular structures and mechanisms of action to clinical uses in dermatology and adverse effects. *Journal of Dermatological Treatment*, **2017**, 28, 684-696 | 2.8 | 86 |
| 104 | Cooperative interaction between GATA5 and NF-ATc regulates endothelial-endocardial differentiation of cardiogenic cells. *Development (Cambridge)*, **2002**, 129, 4045-4055 | 6.6 | 73 |
| 103 | The Kruppel-like transcription factor KLF13 is a novel regulator of heart development. *EMBO Journal*, **2006**, 25, 5201-13 | 13 | 64 |
| 102 | GATA4 loss-of-function mutations underlie familial tetralogy of fallot. *Human Mutation*, **2013**, 34, 1662-71 | 4.7 | 55 |
| 101 | Regulation of heart development and function through combinatorial interactions of transcription factors. *Annals of Medicine*, **2001**, 33, 604-10 | 1.5 | 52 |
| 100 | Diet, genetics, and disease: a focus on the middle East and north Africa region. *Journal of Nutrition and Metabolism*, **2012**, 2012, 109037 | 2.7 | 51 |
| 99 | Familial hypercholesterolemia: the lipids or the genes?. *Nutrition and Metabolism*, **2011**, 8, 23 | 4.6 | 45 |
| 98 | AutoDock and AutoDockTools for Protein-Ligand Docking: Beta-Site Amyloid Precursor Protein Cleaving Enzyme 1(BACE1) as a Case Study. *Methods in Molecular Biology*, **2017**, 1598, 391-403 | 1.4 | 40 |
| 97 | Modulation of COX-2 expression by statins in human monocytic cells. *FASEB Journal*, **2007**, 21, 1665-74 | 0.9 | 40 |
| 96 | Distinct expression and function of alternatively spliced Tbx5 isoforms in cell growth and differentiation. *Molecular and Cellular Biology*, **2008**, 28, 4052-67 | 4.8 | 38 |
| 95 | Cooperative interaction between GATA5 and NF-ATc regulates endothelial-endocardial differentiation of cardiogenic cells. *Development (Cambridge)*, **2002**, 129, 4045-55 | 6.6 | 38 |
| 94 | BRCA1 and BRCA2 mutations in ethnic Lebanese Arab women with high hereditary risk breast cancer. *Oncologist*, **2015**, 20, 357-64 | 5.7 | 37 |

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| 93 | Homozygous familial hypercholesterolemia in Lebanon: a genotype/phenotype correlation. *Molecular Genetics and Metabolism*, **2011**, 102, 181-8 | 3.7 | 36 |
| 92 | Mutation of IGFBP7 causes upregulation of BRAF/MEK/ERK pathway and familial retinal arterial macroaneurysms. *American Journal of Human Genetics*, **2011**, 89, 313-9 | 11 | 35 |
| 91 | Functional analysis and chromosomal mapping of Gata5, a gene encoding a zinc finger DNA-binding protein. *Mammalian Genome*, **1999**, 10, 993-9 | 3.2 | 35 |
| 90 | Copper-adenine complex, a compound, with multi-biochemical targets and potential anti-cancer effect. *Chemico-Biological Interactions*, **2008**, 173, 84-96 | 5 | 34 |
| 89 | NKX2-5 mutations in an inbred consanguineous population: genetic and phenotypic diversity. *Scientific Reports*, **2015**, 5, 8848 | 4.9 | 32 |
| 88 | Immunodiagnosis of Prune dwarf virus using antiserum produced to its recombinant coat protein. *Journal of Virological Methods*, **2004**, 121, 31-8 | 2.6 | 32 |
| 87 | Mutations in SDR9C7 gene encoding an enzyme for vitamin A metabolism underlie autosomal recessive congenital ichthyosis. *Human Molecular Genetics*, **2016**, 25, 4484-4493 | 5.6 | 29 |
| 86 | Two heterozygous mutations in NFATC1 in a patient with Tricuspid Atresia. *PLoS ONE*, **2012**, 7, e49532 | 3.7 | 27 |
| 85 | SuPAR, an emerging biomarker in kidney and inflammatory diseases. *Postgraduate Medical Journal*, **2018**, 94, 517-524 | 2 | 27 |
| 84 | Thalidomide-Revisited: Are COVID-19 Patients Going to Be the Latest Victims of Yet Another Theoretical Drug-Repurposing?. *Frontiers in Immunology*, **2020**, 11, 1248 | 8.4 | 26 |
| 83 | Primary carnitine deficiency: novel mutations and insights into the cardiac phenotype. *Clinical Genetics*, **2014**, 85, 127-37 | 4 | 26 |
| 82 | Differential duplication of an intronic region in the NFATC1 gene in patients with congenital heart disease. *Genome*, **2006**, 49, 1092-8 | 2.4 | 24 |
| 81 | Modulation of total ceramide and constituent ceramide species in the acutely and chronically hypoxic mouse heart at different ages. *Prostaglandins and Other Lipid Mediators*, **2008**, 86, 49-55 | 3.7 | 20 |
| 80 | A homozygous frameshift mutation in the HOXC13 gene underlies pure hair and nail ectodermal dysplasia in a Syrian family. *Human Mutation*, **2013**, 34, 578-81 | 4.7 | 19 |
| 79 | Exclusive cardiac dysfunction in familial primary carnitine deficiency cases: a genotype-phenotype correlation. *Clinical Genetics*, **2007**, 72, 59-62 | 4 | 18 |
| 78 | GATA5 mutation homozygosity linked to a double outlet right ventricle phenotype in a Lebanese patient. *Molecular Genetics & Genomic Medicine*, **2016**, 4, 160-71 | 2.3 | 17 |
| 77 | SLURP-1 is mutated in Mal de Meleda, a potential molecular signature for melanoma and a putative squamous lineage tumor suppressor gene. *International Journal of Dermatology*, **2018**, 57, 162-170 | 1.7 | 17 |
| 76 | A HAND to TBX5 Explains the Link Between Thalidomide and Cardiac Diseases. *Scientific Reports*, **2017**, 7, 1416 | 4.9 | 16 |

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| 75 | Isolation of Beauveria species from Lebanon and evaluation of its efficacy against the cedar web-spinning sawfly, Cephalcia tannourinensis. *BioControl*, **2008**, 53, 341-352 | 2.3 | 16 |
| 74 | Linezolid Toxicity and Mitochondrial Susceptibility: A Novel Neurological Complication in a Lebanese Patient. *Frontiers in Pharmacology*, **2016**, 7, 325 | 5.6 | 15 |
| 73 | Widespread expression of an extended peptide sequence of GATA-6 during murine embryogenesis and non-equivalence of RNA and protein expression domains. *Mechanisms of Development*, **2002**, 119 Suppl 1, S121-9 | 1.7 | 14 |
| 72 | Variable expressivity and co-occurrence of LDLR and LDLRAP1 mutations in familial hypercholesterolemia: failure of the dominant and recessive dichotomy. *Molecular Genetics & Genomic Medicine*, **2016**, 4, 283-91 | 2.3 | 13 |
| 71 | Regulation of de novo ceramide synthesis: the role of dihydroceramide desaturase and transcriptional factors NFATC and Hand2 in the hypoxic mouse heart. *DNA and Cell Biology*, **2013**, 32, 310-9 | 3.6 | 13 |
| 70 | Understanding the phenotypic similarities between IFAP and Olmsted syndrome from a molecular perspective: the interaction of MBTPS2 and TRPV3. *Archives of Dermatological Research*, **2017**, 309, 637-643 | 2.2 | 12 |
| 69 | Research in congenital heart disease: a comparative bibliometric analysis between developing and developed countries. *Pediatric Cardiology*, **2013**, 34, 375-82 | 2.1 | 12 |
| 68 | T-box factors: insights into the evolutionary emergence of the complex heart. *Annals of Medicine*, **2012**, 44, 680-93 | 1.5 | 12 |
| 67 | Clinical and genetic characteristics of pulmonary arterial hypertension in Lebanon. *BMC Medical Genetics*, **2018**, 19, 89 | 2.1 | 12 |
| 66 | Integrative Transcriptome Analyses Empower the Anti-COVID-19 Drug Arsenal. *IScience*, **2020**, 23, 101697 | 4.1 | 11 |
| 65 | Inherited Cardiomyopathies and the Role of Mutations in Non-coding Regions of the Genome. *Frontiers in Cardiovascular Medicine*, **2018**, 5, 77 | 5.4 | 11 |
| 64 | A Novel Mutation in in a Lebanese Family with Congenital Heart Disease and Anterior Segment Dysgenesis: Potential Roles for and in the Phenotypic Variations. *Frontiers in Cardiovascular Medicine*, **2017**, 4, 58 | 5.4 | 11 |
| 63 | Widespread expression of an extended peptide sequence of GATA-6 during murine embryogenesis and non-equivalence of RNA and protein expression domains. *Gene Expression Patterns*, **2002**, 2, 123-31 | 1.5 | 11 |
| 62 | Hyperphosphatemic familial tumoral calcinosis secondary to fibroblast growth factor 23 (FGF23) mutation: a report of two affected families and review of the literature. *Osteoporosis International*, **2018**, 29, 1987-2009 | 5.3 | 11 |
| 61 | Epigenetic Suppression of the T-box Subfamily 2 () in Human Non-Small Cell Lung Cancer. *International Journal of Molecular Sciences*, **2019**, 20, | 6.3 | 10 |
| 60 | Premature Valvular Heart Disease in Homozygous Familial Hypercholesterolemia. *Cholesterol*, **2017** , 2017, 3685265 | | 10 |
| 59 | Genome-Wide Gene Expression Changes in the Normal-Appearing Airway during the Evolution of Smoking-Associated Lung Adenocarcinoma. *Cancer Prevention Research*, **2018**, 11, 237-248 | 3.2 | 10 |
| 58 | Spectrum of mutations in Lebanese patients with phenylalanine hydroxylase deficiency. *Gene*, **2013** , 515, 117-22 | 3.8 | 10 |

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| 57 | Early and severe liver disease associated with homozygosity for an exon 7 mutation, G691R, in Wilson disease. *Clinical Genetics*, **2007**, 72, 264-7 | 4 | 9 |
| 56 | Mutations in the ABCG8 gene are associated with sitosterolaemia in the homozygous form and xanthelasmas in the heterozygous form. *European Journal of Dermatology*, **2017**, 27, 519-523 | 0.8 | 8 |
| 55 | Regulation of the sphingolipid signaling pathways in the growing and hypoxic rat heart. *Prostaglandins and Other Lipid Mediators*, **2005**, 78, 249-63 | 3.7 | 8 |
| 54 | subfamily suppression in lung cancer pathogenesis: a high-potential marker for early detection. *Oncotarget*, **2017**, 8, 68230-68241 | 3.3 | 8 |
| 53 | Activity of Beauvericin against All Developmental Stages of. *Antimicrobial Agents and Chemotherapy*, **2020**, 64, | 5.9 | 7 |
| 52 | Identification of several mutations in ATP2C1 in Lebanese families: insight into the pathogenesis of Hailey-Hailey disease. *PLoS ONE*, **2015**, 10, e0115530 | 3.7 | 7 |
| 51 | Post-lingual non-syndromic hearing loss phenotype: a polygenic case with 2 biallelic mutations in MYO15A and MITF. *BMC Medical Genetics*, **2020**, 21, 1 | 2.1 | 7 |
| 50 | Transcriptomic Alterations in Lung Adenocarcinoma Unveil New Mechanisms Targeted by the Subfamily of Tumor Suppressor Genes. *Frontiers in Oncology*, **2018**, 8, 482 | 5.3 | 7 |
| 49 | A Cautious Note on Thalidomide Usage in Cancer Treatment: Genetic Profiling of the TBX2 Sub-Family Gene Expression is Required. *Drug Research*, **2019**, 69, 512-518 | 1.8 | 6 |
| 48 | A novel TRAF3IP2 variant causing familial scarring alopecia with mixed features of discoid lupus erythematosus and folliculitis decalvans. *Clinical Genetics*, **2020**, 98, 116-125 | 4 | 6 |
| 47 | Low-density lipoprotein levels and not mutation status predict intima-media thickness in familial hypercholesterolemia. *Annals of Vascular Surgery*, **2014**, 28, 421-6 | 1.7 | 6 |
| 46 | Identification of new GATA4-small molecule inhibitors by structure-based virtual screening. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 1734-42 | 3.4 | 6 |
| 45 | Statins Modulate Cyclooxygenase-2 and Microsomal Prostaglandin E Synthase-1 in Human Hepatic Myofibroblasts. *Journal of Cellular Biochemistry*, **2016**, 117, 1176-86 | 4.7 | 6 |
| 44 | Three novel genes tied to mandibular prognathism in eastern Mediterranean families. *American Journal of Orthodontics and Dentofacial Orthopedics*, **2019**, 156, 104-112.e3 | 2.1 | 5 |
| 43 | Genetics of inherited cardiocutaneous syndromes: a review. *Open Heart*, **2016**, 3, e000442 | 3 | 5 |
| 42 | Expression analysis of the genes involved in the virulence of Beauveria bassiana. *Agri Gene*, **2019**, 14, 100094 | 1.9 | 5 |
| 41 | Loss of ferrochelatase is protective against colon cancer cells: ferrochelatase a possible regulator of the long noncoding RNA H19. *Journal of Gastrointestinal Oncology*, **2019**, 10, 859-868 | 2.8 | 5 |
| 40 | Novel EIF2AK4 mutations in histologically proven pulmonary capillary hemangiomatosis and hereditary pulmonary arterial hypertension. *BMC Medical Genetics*, **2019**, 20, 176 | 2.1 | 5 |

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| 39 | Pachydermoperiostosis genetic screening in Lebanese families uncovers a novel SLCO2A1mutation. *Journal of the European Academy of Dermatology and Venereology*, **2015**, 29, 2489-90 | 4.6 | 5 |
| 38 | The Lebanese allele at the LDLR in normocholesterolemic people merits reconsideration of genotype phenotype correlations in familial hypercholesterolemia. *Endocrine*, **2012**, 42, 445-8 | 4 | 5 |
| 37 | GATA4 in Heart Development and Disease **2010**, 599-616 | | 5 |
| 36 | Use of Topical Glycolic Acid Plus a Lovastatin-Cholesterol Combination Cream for the Treatment of Autosomal Recessive Congenital Ichthyoses. *JAMA Dermatology*, **2018**, 154, 1320-1323 | 5.1 | 5 |
| 35 | Novel Bioinformatics-Based Approach for Proteomic Biomarkers Prediction of Calpain-2 &Caspase-3 Protease Fragmentation: Application to Ⅱ-Spectrin Protein. *Scientific Reports*, **2017**, 7, 41039 | 4.9 | 4 |
| 34 | A Novel Role for in a Lebanese Family with Congenital Cardiac Defects. *Frontiers in Genetics*, **2017**, 8, 217 | 4.5 | 4 |
| 33 | In silico evidence of beauvericin antiviral activity against SARS-CoV-2.. *Computers in Biology and Medicine*, **2021**, 141, 105171 | 7 | 4 |
| 32 | The OTOGL p.Arg925* Variant is Associated with Moderate Hearing Loss in a Syrian Nonconsanguineous Family. *Genetic Testing and Molecular Biomarkers*, **2017**, 21, 445-449 | 1.6 | 3 |
| 31 | The Muscle-Bound Heart. *Cardiac Electrophysiology Clinics*, **2016**, 8, 223-31 | 1.4 | 3 |
| 30 | Passaging impact of H9N2 avian influenza virus in hamsters on its pathogenicity and genetic variability. *Journal of Infection in Developing Countries*, **2014**, 8, 570-80 | 2.3 | 3 |
| 29 | Absence of NOTCH2 and Hey2 mutations in a familial Alagille syndrome case with a novel frameshift mutation in JAG1. *American Journal of Medical Genetics, Part A*, **2008**, 146A, 937-9 | 2.5 | 3 |
| 28 | Founder Mutation in N Terminus of Cardiac Troponin I Causes Malignant Hypertrophic Cardiomyopathy. *Circulation Genomic and Precision Medicine*, **2020**, 13, 444-452 | 5.2 | 3 |
| 27 | The Digenic Causality in Familial Hypercholesterolemia: Revising the Genotype-Phenotype Correlations of the Disease. *Frontiers in Genetics*, **2020**, 11, 572045 | 4.5 | 3 |
| 26 | Efficient and Accurate Algorithm for Cleaved Fragments Prediction (CFPA) in Protein Sequences Dataset Based on Consensus and Its Variants: A Novel Degradomics Prediction Application. *Methods in Molecular Biology*, **2017**, 1598, 329-352 | 1.4 | 2 |
| 25 | A Novel Somatic Variant in HEY2 Unveils an Alternative Splicing Isoform Linked to Ventricular Septal Defect. *Pediatric Cardiology*, **2019**, 40, 1084-1091 | 2.1 | 2 |
| 24 | The MIQE GuidelinesQtenth anniversary: The good and bad students. *Gene Reports*, **2020**, 19, 100630 | 1.4 | 2 |
| 23 | The Mutation P.T613a in the Pore Helix of the Kv 11.1 Potassium Channel is Associated with Long QT Syndrome. *PACE - Pacing and Clinical Electrophysiology*, **2015**, 38, 1304-9 | 1.6 | 2 |
| 22 | The potential oncogenic role of the RAS-like GTP-binding gene RIT1 in glioblastoma. *Cancer Biomarkers*, **2020**, 29, 509-519 | 3.8 | 2 |

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| 21 | Beauvericin potentiates the activity of pesticides by neutralizing the ATP-binding cassette transporters in arthropods. *Scientific Reports*, **2021**, 11, 10865 | 4.9 | 2 |
| 20 | Consanguinity rates among Syrian refugees in Lebanon: a study on genetic awareness. *Journal of Biosocial Science*, **2021**, 53, 356-366 | 1.6 | 2 |
| 19 | Degenerated hair follicle cells and partial loss of sebaceous and eccrine glands in a familial case of axenfeld-rieger syndrome: An emerging role for the FOXC1/NFATC1 genetic axis. *Journal of Dermatological Science*, **2018**, 92, 237-244 | 4.3 | 2 |
| 18 | Hereditary vitamin D-resistant rickets in Lebanese patients: the p.R391S and p.H397P variants have different phenotypes. *Journal of Pediatric Endocrinology and Metabolism*, **2017**, 30, 437-444 | 1.6 | 1 |
| 17 | FOXI2: a possible gene contributing to ectodermal dysplasia. *European Journal of Dermatology*, **2017**, 27, 641-645 | 0.8 | 1 |
| 16 | **2015**, | | 1 |
| 15 | Electrostatic study of Alanine mutational effects on transcription: application to GATA-3:DNA interaction complex. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 4005-8 | 0.9 | 1 |
| 14 | Role of glucagon-like peptide-1 analogues on insulin receptor regulation in diabetic rat hearts. *Canadian Journal of Physiology and Pharmacology*, **2010**, 88, 54-63 | 2.4 | 1 |
| 13 | RIT1: A Novel Biomarker in Glioblastoma | | 1 |
| 12 | The Genetic Pathways Underlying Immunotherapy in Dilated Cardiomyopathy. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 613295 | 5.4 | 1 |
| 11 | Non-familial cardiomyopathies in Lebanon: exome sequencing results for five idiopathic cases. *BMC Medical Genomics*, **2019**, 12, 33 | 3.7 | 1 |
| 10 | A novel mutation in the gene results in the unusual phenotype of palmoplantar keratoderma with digital clubbing and hyperhidrosis. *JAAD Case Reports*, **2018**, 4, 950-952 | 1.4 | 1 |
| 9 | Pharmacogenomics Variability of Lipid-Lowering Therapies in Familial Hypercholesterolemia. *Journal of Personalized Medicine*, **2021**, 11, | 3.6 | 1 |
| 8 | Efficacy and molecular studies of a Lebanese isolate of Beauveria for control of Thaumetopoea wilkinsoni (Lepidoptera: Thaumetopoeidae). *Biocontrol Science and Technology*, **2008**, 18, 573-581 | 1.7 | 0 |
| 7 | Interleukin-37: A Link Between COVID-19, Diabetes, and the Black Fungus.. *Frontiers in Microbiology* , **2021**, 12, 788741 | 5.7 | 0 |
| 6 | A novel nonsense mutation in NPHS1: is aortic stenosis associated with congenital nephropathy?. *Journal of Genetics*, **2015**, 94, 309-12 | 1.2 | |
| 5 | Correlation of genetic alterations by whole-exome sequencing with clinical outcomes of glioblastoma patients from the Lebanese population. *PLoS ONE*, **2020**, 15, e0242793 | 3.7 | |
| 4 | Mutational signatures in GATA3 transcription factor and its DNA binding domain that stimulate breast cancer and HDR syndrome. *Scientific Reports*, **2021**, 11, 22762 | 4.9 | |

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| 3 | Clinicopathologic characteristics of Lebanese patients under and over the age of 40 presenting with breast cancer at a single institution.. *Journal of Clinical Oncology*, **2013**, 31, e12525-e12525 | 2.2 |
| 2 | Mutation in the SR6 region of desmoplakin is associated with pustular psoriasiform rash and left ventricular dysfunction. *International Journal of Dermatology*, **2019**, 58, 742-744 | 1.7 |
| 1 | Comparative characterization of sun exposed and sun protected skin-derived mesenchymal-like stem cells in variegate porphyria and healthy individuals. *Photodermatology Photoimmunology and Photomedicine*, **2021**, 37, 202-213 | 2.4 |