Georges M Nemer

List of Publications by Year
in descending order

119 papers	3,716 citations	172386 29 h-index	143943 57 g-index
136 all docs	136 docs citations	136 times ranked	5268 citing authors

#	Article	IF	Citations
1	A Murine Model of Holt-Oram Syndrome Defines Roles of the T-Box Transcription Factor Tbx5 in Cardiogenesis and Disease. Cell, 2001, 106, 709-721.	13.5	957
2	Cooperative Interaction between GATA-4 and GATA-6 Regulates Myocardial Gene Expression. Molecular and Cellular Biology, 1999, 19, 4355-4365.	1.1	223
3	A novel mutation in theGATA4 gene in patients with Tetralogy of Fallot. Human Mutation, 2006, 27, 293-294.	1.1	166
4	Transcriptional activation of BMP-4 and regulation of mammalian organogenesis by GATA-4 and -6. Developmental Biology, 2003, 254, 131-148.	0.9	153
5	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.	1.1	124
6	A gain-of-function TBX20 mutation causes congenital atrial septal defects, patent foramen ovale and cardiac valve defects. Journal of Medical Genetics, 2010, 47, 230-235.	1.5	108
7	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.	0.4	88
8	Cooperative interaction between GATA5 and NF-ATc regulates endothelial-endocardial differentiation of cardiogenic cells. Development (Cambridge), 2002, 129, 4045-4055.	1.2	82
9	The Kruppel-like transcription factor KLF13 is a novel regulator of heart development. EMBO Journal, 2006, 25, 5201-5213.	3.5	79
10	GATA4 Loss-of-Function Mutations Underlie Familial Tetralogy of Fallot. Human Mutation, 2013, 34, 1662-1671.	1.1	68
11	Diet, Genetics, and Disease: A Focus on the Middle East and North Africa Region. Journal of Nutrition and Metabolism, 2012, 2012, 1-19.	0.7	62
12	Regulation of heart development and function through combinatorial interactions of transcription factors. Annals of Medicine, 2001, 33, 604-610.	1.5	59
13	Familial Hypercholesterolemia: The Lipids or the Genes?. Nutrition and Metabolism, 2011, 8, 23.	1.3	59
14	Distinct Expression and Function of Alternatively Spliced Tbx5 Isoforms in Cell Growth and Differentiation. Molecular and Cellular Biology, 2008, 28, 4052-4067.	1.1	49
15	BRCA1 and BRCA2 Mutations in Ethnic Lebanese Arab Women With High Hereditary Risk Breast Cancer. Oncologist, 2015, 20, 357-364.	1.9	49
16	Modulation of COXâ€2 expression by statins in human monocytic cells. FASEB Journal, 2007, 21, 1665-1674.	0.2	46
17	Homozygous familial hypercholesterolemia in Lebanon: A genotype/phenotype correlation. Molecular Genetics and Metabolism, 2011, 102, 181-188.	0.5	43
18	Copperâ€“adenine complex, a compound, with multi-biochemical targets and potential anti-cancer effect. Chemico-Biological Interactions, 2008, 173, 84-96.	1.7	41

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19	Mutation of IGFBP7 Causes Upregulation of BRAF/MEK/ERK Pathway and Familial Retinal Arterial Macroaneurysms. American Journal of Human Genetics, 2011, 89, 313-319.	2.6	41
20	NKX2-5 Mutations in an Inbred Consanguineous Population: Genetic and Phenotypic Diversity. Scientific Reports, 2015, 5, 8848.	1.6	41
21	Mutations inSDR9C7gene encoding an enzyme for vitamin A metabolism underlie autosomal recessive congenital ichthyosis. Human Molecular Genetics, 2016, 25, ddw277.	1.4	40
22	Cooperative interaction between GATA5 and NF-ATc regulates endothelial-endocardial differentiation of cardiogenic cells. Development (Cambridge), 2002, 129, 4045-55.	1.2	39
23	Functional analysis and chromosomal mapping of Gata5 , a gene encoding a zinc finger DNA-binding protein. Mammalian Genome, 1999, 10, 993-999.	1.0	37
24	Thalidomide-Revisited: Are COVID-19 Patients Going to Be the Latest Victims of Yet Another Theoretical Drug-Repurposing?. Frontiers in Immunology, 2020, 11, 1248.	2.2	37
25	Immunodiagnosis of Prune dwarf virus using antiserum produced to its recombinant coat protein. Journal of Virological Methods, 2004, 121, 31-38.	1.0	36
26	SuPAR, an emerging biomarker in kidney and inflammatory diseases. Postgraduate Medical Journal, 2018, 94, 517-524.	0.9	36
27	Primary carnitine deficiency: novel mutations and insights into the cardiac phenotype. Clinical Genetics, 2014, 85, 127-137.	1.0	35
28	A HAND to TBX5 Explains the Link Between Thalidomide and Cardiac Diseases. Scientific Reports, 2017, 7, 1416.	1.6	33
29	Two Heterozygous Mutations in NFATC1 in a Patient with Tricuspid Atresia. PLoS ONE, 2012, 7, e49532.	1.1	33
30	Differential duplication of an intronic region in the NFATC1 gene in patients with congenital heart disease. Genome, 2006, 49, 1092-1098.	0.9	28
31	A Homozygous Frameshift Mutation in theHOXC13Gene Underlies Pure Hair and Nail Ectodermal Dysplasia in a Syrian Family. Human Mutation, 2013, 34, n/a-n/a.	1.1	25
32	GATA 5 mutation homozygosity linked to a double outlet right ventricle phenotype in a Lebanese patient. Molecular Genetics & Genomic Medicine, 2016, 4, 160-171.	0.6	25
33	TBX2subfamily suppression in lung cancer pathogenesis: a high-potential marker for early detection. Oncotarget, 2017, 8, 68230-68241.	0.8	25
34	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.	1.0	24
35	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.	0.7	23
36	SLURPâ€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.	0.5	23

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37	Transcriptomic Alterations in Lung Adenocarcinoma Unveil New Mechanisms Targeted by the TBX2 Subfamily of Tumor Suppressor Genes. Frontiers in Oncology, 2018, 8, 482.	1.3	23
38	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	23
39	Exclusive cardiac dysfunction in familial primary carnitine deficiency cases: a genotype-phenotype correlation. Clinical Genetics, 2007, 72, 59-62.	1.0	21
40	T-box factors: Insights into the evolutionary emergence of the complex heart. Annals of Medicine, 2012, 44, 680-693.	1.5	21
41	Isolation of Beauveria species from Lebanon and evaluation of its efficacy against the cedar web-spinning sawfly, Cephalcia tannourinensis. BioControl, 2008, 53, 341-352.	0.9	19
42	Research in Congenital Heart Disease: A Comparative Bibliometric Analysis Between Developing and Developed Countries. Pediatric Cardiology, 2013, 34, 375-382.	0.6	19
43	Epigenetic Suppression of the T-box Subfamily 2 (TBX2) in Human Non-Small Cell Lung Cancer. International Journal of Molecular Sciences, 2019, 20, 1159.	1.8	19
44	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, S121-S129.	1.7	18
45	Regulation ofDe NovoCeramide Synthesis: The Role of Dihydroceramide Desaturase and Transcriptional Factors NFATC and Hand2 in the Hypoxic Mouse Heart. DNA and Cell Biology, 2013, 32, 310-319.	0.9	18
46	Linezolid Toxicity and Mitochondrial Susceptibility: A Novel Neurological Complication in a Lebanese Patient. Frontiers in Pharmacology, 2016, 7, 325.	1.6	18
47	Variable expressivity and coâ€occurrence of LDLR and LDLRAP1 mutations in familial hypercholesterolemia: failure of the dominant and recessive dichotomy. Molecular Genetics & Genomic Medicine, 2016, 4, 283-291.	0.6	17
48	Premature Valvular Heart Disease in Homozygous Familial Hypercholesterolemia. Cholesterol, 2017, 2017, 1-7.	1.6	17
49	Inherited Cardiomyopathies and the Role of Mutations in Non-coding Regions of the Genome. Frontiers in Cardiovascular Medicine, 2018, 5, 77.	1.1	17
50	Clinical and genetic characteristics of pulmonary arterial hypertension in Lebanon. BMC Medical Genetics, 2018, 19, 89.	2.1	16
51	A Novel Mutation in FOXC1 in a Lebanese Family with Congenital Heart Disease and Anterior Segment Dysgenesis: Potential Roles for NFATC1 and DPT in the Phenotypic Variations. Frontiers in Cardiovascular Medicine, 2017, 4, 58.	1.1	15
52	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.	1.1	14
53	Integrative Transcriptome Analyses Empower the Anti-COVID-19 Drug Arsenal. IScience, 2020, 23, 101697.	1.9	14
54	The Digenic Causality in Familial Hypercholesterolemia: Revising the Genotypeâ€“Phenotype Correlations of the Disease. Frontiers in Genetics, 2020, 11, 572045.	1.1	14

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55	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.	1.3	14
56	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.	0.7	13
57	In Vitro Activity of Beauvericin against All Developmental Stages of Sarcoptes scabiei. Antimicrobial Agents and Chemotherapy, 2020, 64, .	1.4	13
58	Spectrum of mutations in Lebanese patients with phenylalanine hydroxylase deficiency. Gene, 2013, 515, 117-122.	1.0	12
59	Three novel genes tied to mandibular prognathism in eastern Mediterranean families. American Journal of Orthodontics and Dentofacial Orthopedics, 2019, 156, 104-112.e3.	0.8	12
60	Pharmacogenomics Variability of Lipid-Lowering Therapies in Familial Hypercholesterolemia. Journal of Personalized Medicine, 2021, 11, 877.	1.1	12
61	Early and severe liver disease associated with homozygosity for an exon 7 mutation, G691R, in Wilsonâ€™s disease. Clinical Genetics, 2007, 72, 264-267.	1.0	11
62	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.	0.3	11
63	Regulation of the sphingolipid signaling pathways in the growing and hypoxic rat heart. Prostaglandins and Other Lipid Mediators, 2005, 78, 249-263.	1.0	10
64	A novel <scp>TRAF3IP2</scp> variant causing familial scarring alopecia with mixed features of discoid lupus erythematosus and folliculitis decalvans. Clinical Genetics, 2020, 98, 116-125.	1.0	10
65	Statins Modulate Cyclooxygenaseâ€2 and Microsomal Prostaglandin E Synthaseâ€1 in Human Hepatic Myofibroblasts. Journal of Cellular Biochemistry, 2016, 117, 1176-1186.	1.2	9
66	The Genetic Pathways Underlying Immunotherapy in Dilated Cardiomyopathy. Frontiers in Cardiovascular Medicine, 2021, 8, 613295.	1.1	9
67	In silico evidence of beauvericin antiviral activity against SARS-CoV-2. Computers in Biology and Medicine, 2022, 141, 105171.	3.9	9
68	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, 937-939.	0.7	8
69	Pachydermoperiostosis genetic screening in Lebanese families uncovers a novel <scp>SLCO</scp>2A1mutation. Journal of the European Academy of Dermatology and Venereology, 2015, 29, 2489-2490.	1.3	8
70	Identification of Several Mutations in ATP2C1 in Lebanese Families: Insight into the Pathogenesis of Hailey-Hailey Disease. PLoS ONE, 2015, 10, e0115530.	1.1	8
71	A Novel Role for CSRP1 in a Lebanese Family with Congenital Cardiac Defects. Frontiers in Genetics, 2017, 8, 217.	1.1	8
72	Use of Topical Glycolic Acid Plus a Lovastatin-Cholesterol Combination Cream for the Treatment of Autosomal Recessive Congenital Ichthyoses. JAMA Dermatology, 2018, 154, 1320.	2.0	8

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73	Novel EIF2AK4 mutations in histologically proven pulmonary capillary hemangiomatosis and hereditary pulmonary arterial hypertension. BMC Medical Genetics, 2019, 20, 176.	2.1	8
74	GATA4 in Heart Development and Disease. , 2010, , 599-616.		7
75	Identification of new GATA4-small molecule inhibitors by structure-based virtual screening. Bioorganic and Medicinal Chemistry, 2011, 19, 1734-1742.	1.4	7
76	Expression analysis of the genes involved in the virulence of Beauveria bassiana. Agri Gene, 2019, 14, 100094.	1.9	7
77	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.	0.6	7
78	Founder Mutation in N Terminus of Cardiac Troponin I Causes Malignant Hypertrophic Cardiomyopathy. Circulation Genomic and Precision Medicine, 2020, 13, 444-452.	1.6	7
79	The Lebanese allele at the LDLR in normocholesterolemic people merits reconsideration of genotype phenotype correlations in familial hypercholesterolemia. Endocrine, 2012, 42, 445-448.	1.1	6
80	Low-Density Lipoprotein Levels and Not Mutation Status Predict Intima-Media Thickness in Familial Hypercholesterolemia. Annals of Vascular Surgery, 2014, 28, 421-426.	0.4	6
81	The Muscle-Bound Heart. Cardiac Electrophysiology Clinics, 2016, 8, 223-231.	0.7	6
82	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.	0.3	6
83	Beauvericin potentiates the activity of pesticides by neutralizing the ATP-binding cassette transporters in arthropods. Scientific Reports, 2021, 11, 10865.	1.6	6
84	The Mutation P.T613a in the Pore Helix of the Kv11.1 Potassium Channel is Associated with Long QT Syndrome. PACE - Pacing and Clinical Electrophysiology, 2015, 38, 1304-1309.	0.5	5
85	Genetics of inherited cardiocutaneous syndromes: a review. Open Heart, 2016, 3, e000442.	0.9	5
86	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.	1.0	5
87	A novel mutation in the HPGD gene results in the unusual phenotype of palmoplantar keratoderma with digital clubbing and hyperhidrosis. JAAD Case Reports, 2018, 4, 950-952.	0.4	5
88	Abstract 5513: Role of the evolutionarily conserved TBX2 subfamily of transcription factors in the molecular pathogenesis of human lung adenocarcinoma. Cancer Research, 2018, 78, 5513-5513.	0.4	5
89	Identification of Novel Gene Variants for Autism Spectrum Disorders in the Lebanese Population Using Whole-Exome Sequencing. Genes, 2022, 13, 186.	1.0	5
90	Interleukin-37: A Link Between COVID-19, Diabetes, and the Black Fungus. Frontiers in Microbiology, 2021, 12, 788741.	1.5	5

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91	Novel Bioinformaticsâ€“Based Approach for Proteomic Biomarkers Prediction of Calpain-2 & Caspase-3 Protease Fragmentation: Application to Î²II-Spectrin Protein. Scientific Reports, 2017, 7, 41039.	1.6	4
92	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.	0.4	4
93	A Novel Somatic Variant in HEY2 Unveils an Alternative Splicing Isoform Linked to Ventricular Septal Defect. Pediatric Cardiology, 2019, 40, 1084-1091.	0.6	4
94	Non-familial cardiomyopathies in Lebanon: exome sequencing results for five idiopathic cases. BMC Medical Genomics, 2019, 12, 33.	0.7	4
95	Passaging impact of H9N2 avian influenza virus in hamsters on its pathogenicity and genetic variability. Journal of Infection in Developing Countries, 2014, 8, 570-580.	0.5	3
96	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.	0.4	3
97	Mutations in SDR9C7 gene encoding an enzyme for vitamin A metabolism underlie autosomal recessive congenital ichthyosis. Journal of Dermatological Science, 2017, 86, e50.	1.0	3
98	The potential oncogenic role of the RAS-like GTP-binding gene RIT1 in glioblastoma. Cancer Biomarkers, 2020, 29, 509-519.	0.8	3
99	Consanguinity rates among Syrian refugees in Lebanon: a study on genetic awareness. Journal of Biosocial Science, 2021, 53, 356-366.	0.5	3
100	Efficacy and molecular studies of a Lebanese isolate ofBeauveriafor control ofThaumetopoea wilkinsoni(Lepidoptera: Thaumetopoeidae). Biocontrol Science and Technology, 2008, 18, 573-581.	0.5	2
101	Electrostatic study of Alanine mutational effects on transcription: application to GATA-3:DNA interaction complex. , 2015, 2015, 4005-8.		2
102	Editorial: The Non-coding Genome and Cardiovascular Disease. Frontiers in Cardiovascular Medicine, 2019, 6, 98.	1.1	2
103	The MIQE Guidelines' tenth anniversary: The good and bad students. Gene Reports, 2020, 19, 100630.	0.4	2
104	Bioexploration and Phylogenetic Placement of Entomopathogenic Fungi of the Genus Beauveria in Soils of Lebanon Cedar Forests. Journal of Fungi (Basel, Switzerland), 2021, 7, 924.	1.5	2
105	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.	0.7	1
106	Cleaved Fragments Prediction Algorithm (CFPA) application to calpain and caspase in apoptosis and necrotic cell death. , 2015, , .		1
107	FOXI2: a possible gene contributing to ectodermal dysplasia. European Journal of Dermatology, 2017, 27, 641-645.	0.3	1
108	Correlation of genetic alterations by whole-exome sequencing with clinical outcomes of glioblastoma patients from the Lebanese population. PLoS ONE, 2020, 15, e0242793.	1.1	1

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109	Mutational signatures in GATA3 transcription factor and its DNA binding domain that stimulate breast cancer and HDR syndrome. Scientific Reports, 2021, 11, 22762.	1.6	1
110	A novel nonsense mutation in NPHS1: is aortic stenosis associated with congenital nephropathy?. Journal of Genetics, 2015, 94, 309-312.	0.4	0
111	TARGETED AND EXOME SEQUENCING OF 27 LEBANESE PATIENTS WITH CARDIOMYOPATHIES: NOVEL VARIANTS IN KNOWN GENES, AND POTENTIAL NOVEL GENES. Journal of the American College of Cardiology, 2017, 69, 719.	1.2	0
112	Darwinian Evolution and Quantum Evolution are Complementary: A Perspective. Hereditary Genetics: Current Research, 2017, 06, .	0.1	0
113	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.	0.5	0
114	Comparative characterization of sun exposed and sun protected skinâ€derived mesenchymalâ€like stem cells in variegate porphyria and healthy individuals. Photodermatology Photoimmunology and Photomedicine, 2021, 37, 202-213.	0.7	0
115	WHOLE EXOME SEQUENCING OF THREE PATIENTS WITH BRUGADA SYNDROME IN THE MIDDLE EAST- NOVEL VARIANTS IN KNOWN GENES IN RELATION TO A RANGE OF PHENOTYPES. Journal of the American College of Cardiology, 2021, 77, 252.	1.2	0
116	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.	0.8	0
117	Abstract 5509: Early suppression of theTBX2subfamily of transcription factors during in vivo tobacco carcinogen-mediated lung adenocarcinoma development. , 2018, , .		0
118	Abstract 202: The R21C Mutation in Troponin I Has a Founder Effect in South Lebanon and Causes Malignant Hypertrophic Cardiomyopathy. Circulation Research, 2019, 125, .	2.0	0
119	Malar rash in a young child with neurodevelopmental delay: a quiz. Archives of Disease in Childhood: Education and Practice Edition, 2022, 107, 28-30.	0.3	0