David N Finegold

List of Publications by Year
in descending order

74	7,304	87888	85541
papers	citations	38 h-index	71 g-index

74	74	74	6697
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Missense mutations interfere with VEGFR-3 signalling in primary lymphoedema. Nature Genetics, 2000, 25, 153-159.	21.4	593
2	Lymphatic endothelial reprogramming of vascular endothelial cells by the Prox-1 homeobox transcription factor. EMBO Journal, 2002, 21, 4593-4599.	7.8	544
3	Defective valves and abnormal mural cell recruitment underlie lymphatic vascular failure in lymphedema distichiasis. Nature Medicine, 2004, 10, 974-981.	30.7	515
4	Photonic Crystal Carbohydrate Sensors:Â Low Ionic Strength Sugar Sensing. Journal of the American Chemical Society, 2003, 125, 3322-3329.	13.7	473
5	High Ionic Strength Glucose-Sensing Photonic Crystal. Analytical Chemistry, 2003, 75, 2316-2323.	6.5	386
6	Phase I (Safety) Study of Autologous Tolerogenic Dendritic Cells in Type 1 Diabetic Patients. Diabetes Care, 2011, 34, 2026-2032.	8.6	364
7	Photonic Crystal Glucose-Sensing Material for Noninvasive Monitoring of Glucose in Tear Fluid. Clinical Chemistry, 2004, 50, 2353-2360.	3.2	335
8	Evidence for superantigen involvement in insulin-dependent diabetes mellitus aetiology. Nature, 1994, 371, 351-355.	27.8	319
9	A General Photonic Crystal Sensing Motif:Â Creatinine in Bodily Fluids. Journal of the American Chemical Society, 2004, 126, 2971-2977.	13.7	294
10	Predicting Scoliosis Progression from Skeletal Maturity: A Simplified Classification During Adolescence. Journal of Bone and Joint Surgery - Series A, 2008, 90, 540-553.	3.0	269
11	Hereditary lymphedema: evidence for linkage and genetic heterogeneity. Human Molecular Genetics, 1998, 7, 2073-2078.	2.9	221
12	Truncating mutations in FOXC2 cause multiple lymphedema syndromes. Human Molecular Genetics, 2001, 10, 1185-1189.	2.9	214
13	Maturity Assessment and Curve Progression in Girls with Idiopathic Scoliosis. Journal of Bone and Joint Surgery - Series A, 2007, 89, 64-73.	3.0	187
14	Medium Chain Acyl-CoA Dehydrogenase Deficiency in Pennsylvania: Neonatal Screening Shows High Incidence and Unexpected Mutation Frequencies. Pediatric Research, 1995, 37, 675-678.	2.3	156
15	Tear Glucose Analysis for the Noninvasive Detection and Monitoring of Diabetes Mellitus. Ocular Surface, 2007, 5, 280-293.	4.4	155
16	GJC2 Missense Mutations Cause Human Lymphedema. American Journal of Human Genetics, 2010, 86, 943-948.	6.2	141
17	Glycemic response to glucagon during fasting hypoglycemia: An aid in the diagnosis of hyperinsulinism. Journal of Pediatrics, 1980, 96, 257-259.	1.8	140
18	Mass Spectral Determination of Fasting Tear Glucose Concentrations in Nondiabetic Volunteers. Clinical Chemistry, 2007, 53, 1370-1372.	3.2	101

#	Article	IF	Citations
19	Polymerized crystalline colloidal array chemical-sensing materials for detection of lead in body fluids. Analytical and Bioanalytical Chemistry, 2002, 373, 632-638.	3.7	98
20	Connexin 47 Mutations Increase Risk for Secondary Lymphedema Following Breast Cancer Treatment. Clinical Cancer Research, 2012, 18, 2382-2390.	7.0	95
21	Analysis of tear glucose concentration with electrospray ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2007, 18, 332-336.	2.8	93
22	HGF and MET Mutations in Primary and Secondary Lymphedema. Lymphatic Research and Biology, 2008, 6, 65-68.	1.1	93
23	Correlates of the Peak Height Velocity in Girls With Idiopathic Scoliosis. Spine, 2006, 31, 2289-2295.	2.0	89
24	The influence of macrophage migration inhibitory factor gene polymorphisms on outcome from communityâ€acquired pneumonia. FASEB Journal, 2009, 23, 2403-2411.	0.5	87
25	Indirect Fluorescence Detection of Amino Acids on Electrophoretic Microchips. Analytical Chemistry, 2000, 72, 2765-2773.	6.5	77
26	Preliminary Localization of a Gene for Autosomal Dominant Hypoparathyroidism to Chromosome 3q13. Pediatric Research, 1994, 36, 414-417.	2.3	74
27	Idiopathic Dilated Cardiomyopathy. Circulation, 1998, 98, 777-785.	1.6	69
28	Rapid progression and mortality of lysosomal acid lipase deficiency presenting in infants. Genetics in Medicine, 2016, 18, 452-458.	2.4	67
29	VEGFR3gene structure, regulatory region, and sequence polymorphisms. FASEB Journal, 2001, 15, 1028-1036.	0.5	66
30	Sudden death in medium chain acyl-coenzyme a dehydrogenase deficiency (MCADD) despite newborn screening. Molecular Genetics and Metabolism, 2010, 101, 33-39.	1.1	65
31	Molecular regulation of lymphangiogenesis and targets for tissue oedema. Trends in Molecular Medicine, 2001, 7, 18-22.	6.7	63
32	Progress toward the development of a point-of-care photonic crystal ammonia sensor. Analytical and Bioanalytical Chemistry, 2006, 385, 678-685.	3.7	63
33	Genetic and Environmental Influences on Thyroid Hormone Variation in Mexican Americans. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 3276-3284.	3.6	60
34	Lymphedema-distichiasis syndrome and FOXC2 gene mutation. American Journal of Ophthalmology, 2002, 134, 592-596.	3.3	57
35	Candidate Gene Analysis in Primary Lymphedema. Lymphatic Research and Biology, 2008, 6, 69-76.	1.1	53
36	Maturity Assessment and Curve Progression in Girls with Idiopathic Scoliosis. Journal of Bone and Joint Surgery - Series A, 2007, 89, 64-73.	3.0	53

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37	Neurometabolic Disorders: Potentially Treatable Abnormalities in Patients With Treatment-Refractory Depression and Suicidal Behavior. American Journal of Psychiatry, 2017, 174, 42-50.	7.2	50
38	Evidence supporting a role for the calciumâ€sensing receptor in Alzheimer disease. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2009, 150B, 703-709.	1.7	43
39	Familial nephrotic syndrome: Clinical spectrum and linkage to chromosome 19q13. Kidney International, 2000, 57, 875-881.	5.2	32
40	Three Novel Activating Mutations in the Calcium-Sensing Receptor Responsible for Autosomal Dominant Hypocalcemia. Molecular Genetics and Metabolism, 2000, 71, 591-598.	1.1	30
41	Age of onset in hereditary lymphedema. Journal of Pediatrics, 2003, 142, 704-708.	1.8	30
42	Progress in developing polymerized crystalline colloidal array sensors for point-of-care detection of myocardial ischemia. Analyst, The, 2008, 133, 385.	3.5	28
43	Evaluation of disease burden and response to treatment in adults with type 1 gaucher disease using a validated disease severity scoring system (DS3). Orphanet Journal of Rare Diseases, 2015, 10, 64.	2.7	28
44	A Genome-Wide Scan for Loci Affecting Normal Adult Height in the Framingham Heart Study. Human Heredity, 2003, 55, 191-201.	0.8	25
45	Populationâ€based Tayâ€Sachs screening among Ashkenazi Jewish young adults in the 21st century: Hexosaminidase a enzyme assay is essential for accurate testing. American Journal of Medical Genetics, Part A, 2009, 149A, 2444-2447.	1.2	22
46	Breath Acetone Sensing Based on Single-Walled Carbon Nanotubeâ€“Titanium Dioxide Hybrids Enabled by a Custom-Built Dehumidifier. ACS Sensors, 2021, 6, 871-880.	7.8	22
47	Autosomal Dominant Progressive Nephropathy with Deafness: Linkage to a New Locus on Chromosome 11q24. Journal of the American Society of Nephrology: JASN, 2003, 14, 1794-1803.	6.1	21
48	Pulsatile growth hormone secretion in children with acute lymphoblastic leukemia after 1800 cGy cranial radiation. International Journal of Radiation Oncology Biology Physics, 1988, 15, 1001-1006.	0.8	20
49	African American Hypertensive Nephropathy Maps to a New Locus on Chromosome 9q31-q32. American Journal of Human Genetics, 2003, 73, 420-429.	6.2	20
50	Results of growth trophic therapy in children with short bowel syndrome. Journal of Pediatric Surgery, 2004, 39, 335-339.	1.6	19
51	Altered dynamics of a lipid raft associated protein in a kidney model of Fabry disease. Molecular Genetics and Metabolism, 2014, 111, 184-192.	1.1	19
52	Newborn Screening for Galactosemia: A Review of 5 Years of Data and Audit of a Revised Reporting Approach. Clinical Chemistry, 2010, 56, 437-444.	3.2	18
53	Potential Misdiagnosis of 3-Methylcrotonyl-Coenzyme A Carboxylase Deficiency Associated With Absent or Trace Urinary 3-Methylcrotonylglycine. Pediatrics, 2007, 120, e1335-e1340.	2.1	17
54	Analysis of TCR VÎ² Repertoire and Cytokine Gene Expression in Patients with Idiopathic Dilated Cardiomyopathy. Journal of Autoimmunity, 2001, 16, 3-13.	6.5	16

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55	Research Perspectives in Inherited Lymphatic Disease. Annals of the New York Academy of Sciences, 2008, 1131, 134-139.	3.8	16
56	Genetic association and differential expression of PITX2 with acute appendicitis. Human Genetics, 2019, 138, 37-47.	3.8	14
57	Global hypermethylation of intestinal epithelial cells is a hallmark feature of neonatal surgical necrotizing enterocolitis. Clinical Epigenetics, 2020, 12, 190.	4.1	12
58	Effects of Flutamide Therapy on Craniofacial Growth and Development in a Model of Craniosynostosis. Journal of Craniofacial Surgery, 2010, 21, 711-718.	0.7	11
59	Effect of Thyroid Hormones on Human Mononuclear Leukocyte Lysosomal Acid Lipase Activity*. Journal of Clinical Endocrinology and Metabolism, 1982, 54, 559-562.	3.6	9
60	Behavioral problems, social competency, and self perception among girls with congenital adrenal hyperplasia. Child Psychiatry and Human Development, 1986, 17, 129-138.	1.9	8
61	VEGFR3 gene structure, regulatory region, and sequence polymorphisms. FASEB Journal, 2001, 15, 1028-1034.	0.5	8
62	Neonatal necrotizing enterocolitis-associated DNA methylation signatures in the colon are evident in stool samples of affected individuals. Epigenomics, 2021, 13, 829-844.	2.1	7
63	A new method for assessment of changes in retinal blood flow. Medical Engineering and Physics, 1997, 19, 125-130.	1.7	6
64	Nonâ€invasive epigenomic molecular phenotyping of the human brain via liquid biopsy of cerebrospinal fluid and next generation sequencing. European Journal of Neuroscience, 2020, 52, 4536-4545.	2.6	5
65	Effect of diabetes and insulin therapy on human mononuclear leukocyte lysosomal acid lipase activity. Metabolism: Clinical and Experimental, 1984, 33, 85-89.	3.4	4
66	Problem-solving, Adherence to Lifestyle Goals, and Weight Loss Among Individuals Participating in a Weight Loss Study. International Journal of Behavioral Medicine, 2021, 28, 328-336.	1.7	4
67	Renal ouabain inhibitable Na-K ATPase activity and myoinositol supplementation in experimental diabetes mellitus. Metabolism: Clinical and Experimental, 1988, 37, 557-561.	3.4	3
68	Markedly Elevated Serum Transaminases in Glycogen Storage Disease Type III. Journal of Pediatric Gastroenterology and Nutrition, 2011, 52, 621-623.	1.8	3
69	Normal newborn 17-hydroxyprogesterone level in an infant with congenital adrenal hyperplasia due to 11Î²-hydroxylase deficiency. Screening: Journal of the International Society of Neonatal Screening, 1994, 3, 85-89.	0.3	2
70	Selective hypermethylation is evident in small intestine samples from infants with necrotizing enterocolitis. Clinical Epigenetics, 2022, 14, 49.	4.1	2
71	Chromosome 15q13.3 microduplications are associated with treatment refractory major depressive disorder. Genes, Brain and Behavior, 2020, 19, e12628.	2.2	1
72	Exploring Calcium Level Disorders: Looking Through the Genetic Window for New Treatment Clues. Nursing for Women's Health, 2002, 6, 424-429.	0.2	0

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73	Photonic Crystal Sensors for the Rapid Detection of Myocardial Ischemia. , 2007, , .		0
74	Infant with unusual food reactions (Discussion and Diagnosis). Acta Paediatrica, International Journal of Paediatrics, 2011, 100, 1394-1395.	1.5	0