Mitchell Goldfarb

List of Publications by Year
in descending order

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44 papers	8,523 citations	126907 33 h-index	233421 45 g-index
46 all docs	46 docs citations	46 times ranked	5632 citing authors

#	Article	IF	Citations
1	Missense variants in the N-terminal domain of the A isoform of FHF2/FGF13 cause an X-linked developmental and epileptic encephalopathy. American Journal of Human Genetics, 2021, 108, 176-185.	6.2	20
2	Early onset epilepsy and sudden unexpected death in epilepsy with cardiac arrhythmia in mice carrying the early infantile epileptic encephalopathy 47 gainâ€ofâ€function FHF1(FGF12) missense mutation. Epilepsia, 2021, 62, 1546-1558.	5.1	14
3	Ionic Mechanisms of Impulse Propagation Failure in the FHF2-Deficient Heart. Circulation Research, 2020, 127, 1536-1548.	4.5	7
4	Hyper-excitability and hyper-plasticity disrupt cerebellar signal transfer in the IB2 KO mouse model of autism. Journal of Neuroscience, 2019, 39, 1985-18.	3.6	23
5	FHF2 SAFEGUARDS THE HEART AGAINST REDUCTIONS IN JUNCTIONAL CONDUCTANCE. Journal of the American College of Cardiology, 2019, 73, 350.	2.8	1
6	FGF-Dependent, Context-Driven Role for FRS Adapters in the Early Telencephalon. Journal of Neuroscience, 2017, 37, 5690-5698.	3.6	10
7	Gain-of-function FHF1 mutation causes early-onset epileptic encephalopathy with cerebellar atrophy. Neurology, 2016, 86, 2162-2170.	1.1	57
8	FHF-independent conduction of action potentials along the leak-resistant cerebellar granule cell axon. Nature Communications, 2016, 7, 12895.	12.8	28
9	Fhf2 gene deletion causes temperature-sensitive cardiac conduction failure. Nature Communications, 2016, 7, 12966.	12.8	29
10	Fast-Onset Long-Term Open-State Block of Sodium Channels by A-type FHFs Mediates Classical Spike Accommodation in Hippocampal Pyramidal Neurons. Journal of Neuroscience, 2014, 34, 16126-16139.	3.6	41
11	Voltage-gated sodium channel-associated proteins and alternative mechanisms of inactivation and block. Cellular and Molecular Life Sciences, 2012, 69, 1067-1076.	5.4	55
12	Long-term inactivation particle for voltage-gated sodium channels. Journal of Physiology, 2010, 588, 3695-3711.	2.9	77
13	Behavioral and Cerebellar Transmission Deficits in Mice Lacking the Autism-Linked Gene Islet Brain-2. Journal of Neuroscience, 2010, 30, 14805-14816.	3.6	61
14	Crystal Structure of a Fibroblast Growth Factor Homologous Factor (FHF) Defines a Conserved Surface on FHFs for Binding and Modulation of Voltage-gated Sodium Channels. Journal of Biological Chemistry, 2009, 284, 17883-17896.	3.4	121
15	Axonal Na⁺Channels Ensure Fast Spike Activation and Back-Propagation in Cerebellar Granule Cells. Journal of Neurophysiology, 2009, 101, 519-532.	1.8	128
16	Fibroblast Growth Factor Homologous Factors Control Neuronal Excitability through Modulation of Voltage-Gated Sodium Channels. Neuron, 2007, 55, 449-463.	8.1	220
17	Fibroblast growth factor homologous factors: Evolution, structure, and function. Cytokine and Growth Factor Reviews, 2005, 16, 215-220.	7.2	184
18	Fibroblast Growth Factor Homologous Factor 2B: Association with Nav1.6 and Selective Colocalization at Nodes of Ranvier of Dorsal Root Axons. Journal of Neuroscience, 2004, 24, 6765-6775.	3.6	124

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19	Fibroblast Growth Factor (FGF) Homologous Factors Share Structural but Not Functional Homology with FGFs. Journal of Biological Chemistry, 2003, 278, 34226-34236.	3.4	221
20	Fibroblast Growth Factor Homologous Factors and the Islet Brain-2 Scaffold Protein Regulate Activation of a Stress-activated Protein Kinase. Journal of Biological Chemistry, 2002, 277, 49111-49119.	3.4	90
21	SNT-1/FRS2Î± physically interacts with Laloo and mediates mesoderm induction by fibroblast growth factor. Mechanisms of Development, 2001, 109, 195-204.	1.7	16
22	Fibroblast growth factor homologous factors are intracellular signaling proteins. Current Biology, 2001, 11, 793-797.	3.9	119
23	Multiple Effector Domains within SNT1 Coordinate ERK Activation and Neuronal Differentiation of PC12 Cells. Journal of Biological Chemistry, 2001, 276, 13049-13056.	3.4	35
24	Genomic organization and embryonic expression of the mouse fibroblast growth factor 9 gene. Developmental Dynamics, 1999, 216, 72-88.	1.8	203
25	Initiation of Mammalian Liver Development from Endoderm by Fibroblast Growth Factors. Science, 1999, 284, 1998-2003.	12.6	660
26	Genomic organization and embryonic expression of the mouse fibroblast growth factor 9 gene. Developmental Dynamics, 1999, 216, 72-88.	1.8	7
27	Novel Recognition Motif on Fibroblast Growth Factor Receptor Mediates Direct Association and Activation of SNT Adapter Proteins. Journal of Biological Chemistry, 1998, 273, 17987-17990.	3.4	158
28	Chromosomal Mapping of Two Novel HumanFGFGenes,FGF11andFGF12. Genomics, 1997, 40, 151-154.	2.9	35
29	Murine FGF-12 and FGF-13: expression in embryonic nervous system, connective tissue and heart. Mechanisms of Development, 1997, 64, 31-39.	1.7	129
30	Amino acid residues which distinguish the mitogenic potentials of two FGF receptors. Oncogene, 1997, 14, 1767-1778.	5.9	31
31	Of Worms and Men: An Evolutionary Perspective on the Fibroblast Growth Factor (FGF) and FGF Receptor Families. Journal of Molecular Evolution, 1997, 44, 43-56.	1.8	181
32	Functions of fibroblast growth factors in vertebrate development. Cytokine and Growth Factor Reviews, 1996, 7, 311-325.	7.2	203
33	Receptor Specificity of the Fibroblast Growth Factor Family. Journal of Biological Chemistry, 1996, 271, 15292-15297.	3.4	1,491
34	Evidence that fibroblast growth factor 5 is a major muscle-derived survival factor for cultured spinal motoneurons. Neuron, 1993, 10, 369-377.	8.1	137
35	Murine FGF-4 gene expression is spatially restricted within embryonic skeletal muscle and other tissues. Mechanisms of Development, 1993, 40, 155-163.	1.7	51
36	Trkl3 mediates BDNF/NT-3-dependent survival and proliferation in fibroblasts lacking the low affinity NGF receptor. Cell, 1991, 66, 405-413.	28.9	306

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37	Expression and Possible Functions of the FGF-5 Gene. Annals of the New York Academy of Sciences, 1991, 638, 38-52.	3.8	35
38	Isolation of cDNAs encoding four mouse FGF family members and characterization of their expression patterns during embryogenesis. Developmental Biology, 1990, 138, 454-463.	2.0	268
39	Functional homology of mammalian and yeast RAS genes. Cell, 1985, 40, 19-26.	28.9	350
40	Structure of the Ki-ras gene of the human lung carcinoma cell line Calu-1. Nature, 1983, 304, 497-500.	27.8	406
41	Structure and activation of the human N-ras gene. Cell, 1983, 34, 581-586.	28.9	529
42	Isolation and preliminary characterization of a human transforming gene from T24 bladder carcinoma cells. Nature, 1982, 296, 404-409.	27.8	489
43	Activation of the T24 bladder carcinoma transforming gene is linked to a single amino acid change. Nature, 1982, 300, 762-765.	27.8	716
44	Human-tumor-derived cell lines contain common and different transforming genes. Cell, 1981, 27, 467-476.	28.9	455