

# 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	Receptor Specificity of the Fibroblast Growth Factor Family. <i>Journal of Biological Chemistry</i> , 1996, 271, 15292-15297.	3.4	1,491
2	Activation of the T24 bladder carcinoma transforming gene is linked to a single amino acid change. <i>Nature</i> , 1982, 300, 762-765.	27.8	716
3	Initiation of Mammalian Liver Development from Endoderm by Fibroblast Growth Factors. <i>Science</i> , 1999, 284, 1998-2003.	12.6	660
4	Structure and activation of the human N-ras gene. <i>Cell</i> , 1983, 34, 581-586.	28.9	529
5	Isolation and preliminary characterization of a human transforming gene from T24 bladder carcinoma cells. <i>Nature</i> , 1982, 296, 404-409.	27.8	489
6	Human-tumor-derived cell lines contain common and different transforming genes. <i>Cell</i> , 1981, 27, 467-476.	28.9	455
7	Structure of the Ki-ras gene of the human lung carcinoma cell line Calu-1. <i>Nature</i> , 1983, 304, 497-500.	27.8	406
8	Functional homology of mammalian and yeast RAS genes. <i>Cell</i> , 1985, 40, 19-26.	28.9	350
9	TrkI3 mediates BDNF/NT-3-dependent survival and proliferation in fibroblasts lacking the low affinity NGF receptor. <i>Cell</i> , 1991, 66, 405-413.	28.9	306
10	Isolation of cDNAs encoding four mouse FGF family members and characterization of their expression patterns during embryogenesis. <i>Developmental Biology</i> , 1990, 138, 454-463.	2.0	268
11	Fibroblast Growth Factor (FGF) Homologous Factors Share Structural but Not Functional Homology with FGFs. <i>Journal of Biological Chemistry</i> , 2003, 278, 34226-34236.	3.4	221
12	Fibroblast Growth Factor Homologous Factors Control Neuronal Excitability through Modulation of Voltage-Gated Sodium Channels. <i>Neuron</i> , 2007, 55, 449-463.	8.1	220
13	Functions of fibroblast growth factors in vertebrate development. <i>Cytokine and Growth Factor Reviews</i> , 1996, 7, 311-325.	7.2	203
14	Genomic organization and embryonic expression of the mouse fibroblast growth factor 9 gene. <i>Developmental Dynamics</i> , 1999, 216, 72-88.	1.8	203
15	Fibroblast growth factor homologous factors: Evolution, structure, and function. <i>Cytokine and Growth Factor Reviews</i> , 2005, 16, 215-220.	7.2	184
16	Of Worms and Men: An Evolutionary Perspective on the Fibroblast Growth Factor (FGF) and FGF Receptor Families. <i>Journal of Molecular Evolution</i> , 1997, 44, 43-56.	1.8	181
17	Novel Recognition Motif on Fibroblast Growth Factor Receptor Mediates Direct Association and Activation of SNT Adapter Proteins. <i>Journal of Biological Chemistry</i> , 1998, 273, 17987-17990.	3.4	158
18	Evidence that fibroblast growth factor 5 is a major muscle-derived survival factor for cultured spinal motoneurons. <i>Neuron</i> , 1993, 10, 369-377.	8.1	137

#	ARTICLE	IF	CITATIONS
19	Murine FGF-12 and FGF-13: expression in embryonic nervous system, connective tissue and heart. <i>Mechanisms of Development</i> , 1997, 64, 31-39.	1.7	129
20	Axonal Na <sup>+</sup> Channels Ensure Fast Spike Activation and Back-Propagation in Cerebellar Granule Cells. <i>Journal of Neurophysiology</i> , 2009, 101, 519-532.	1.8	128
21	Fibroblast Growth Factor Homologous Factor 2B: Association with Nav1.6 and Selective Colocalization at Nodes of Ranvier of Dorsal Root Axons. <i>Journal of Neuroscience</i> , 2004, 24, 6765-6775.	3.6	124
22	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. <i>Journal of Biological Chemistry</i> , 2009, 284, 17883-17896.	3.4	121
23	Fibroblast growth factor homologous factors are intracellular signaling proteins. <i>Current Biology</i> , 2001, 11, 793-797.	3.9	119
24	Fibroblast Growth Factor Homologous Factors and the Islet Brain-2 Scaffold Protein Regulate Activation of a Stress-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2002, 277, 49111-49119.	3.4	90
25	Long-term inactivation particle for voltage-gated sodium channels. <i>Journal of Physiology</i> , 2010, 588, 3695-3711.	2.9	77
26	Behavioral and Cerebellar Transmission Deficits in Mice Lacking the Autism-Linked Gene Islet Brain-2. <i>Journal of Neuroscience</i> , 2010, 30, 14805-14816.	3.6	61
27	Gain-of-function <i>FHF1</i> mutation causes early-onset epileptic encephalopathy with cerebellar atrophy. <i>Neurology</i> , 2016, 86, 2162-2170.	1.1	57
28	Voltage-gated sodium channel-associated proteins and alternative mechanisms of inactivation and block. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 1067-1076.	5.4	55
29	Murine FGF-4 gene expression is spatially restricted within embryonic skeletal muscle and other tissues. <i>Mechanisms of Development</i> , 1993, 40, 155-163.	1.7	51
30	Fast-Onset Long-Term Open-State Block of Sodium Channels by A-type FHFs Mediates Classical Spike Accommodation in Hippocampal Pyramidal Neurons. <i>Journal of Neuroscience</i> , 2014, 34, 16126-16139.	3.6	41
31	Expression and Possible Functions of the FGF-5 Gene. <i>Annals of the New York Academy of Sciences</i> , 1991, 638, 38-52.	3.8	35
32	Chromosomal Mapping of Two Novel Human FGF Genes, FGF11 and FGF12. <i>Genomics</i> , 1997, 40, 151-154.	2.9	35
33	Multiple Effector Domains within SNT1 Coordinate ERK Activation and Neuronal Differentiation of PC12 Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 13049-13056.	3.4	35
34	Amino acid residues which distinguish the mitogenic potentials of two FGF receptors. <i>Oncogene</i> , 1997, 14, 1767-1778.	5.9	31
35	Fhf2 gene deletion causes temperature-sensitive cardiac conduction failure. <i>Nature Communications</i> , 2016, 7, 12966.	12.8	29
36	FHF-independent conduction of action potentials along the leak-resistant cerebellar granule cell axon. <i>Nature Communications</i> , 2016, 7, 12895.	12.8	28

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37	Hyper-excitability and hyper-plasticity disrupt cerebellar signal transfer in the <i>IB2</i> KO mouse model of autism. <i>Journal of Neuroscience</i> , 2019, 39, 1985-18.	3.6	23
38	Missense variants in the N-terminal domain of the A isoform of FHF2/FGF13 cause an X-linked developmental and epileptic encephalopathy. <i>American Journal of Human Genetics</i> , 2021, 108, 176-185.	6.2	20
39	SNT-1/FRS2± physically interacts with Lalloo and mediates mesoderm induction by fibroblast growth factor. <i>Mechanisms of Development</i> , 2001, 109, 195-204.	1.7	16
40	Early onset epilepsy and sudden unexpected death in epilepsy with cardiac arrhythmia in mice carrying the early infantile epileptic encephalopathy 47 gain-of-function <i>FHF1(FGF12)</i> missense mutation. <i>Epilepsia</i> , 2021, 62, 1546-1558.	5.1	14
41	FGF-Dependent, Context-Driven Role for FRS Adapters in the Early Telencephalon. <i>Journal of Neuroscience</i> , 2017, 37, 5690-5698.	3.6	10
42	Ionic Mechanisms of Impulse Propagation Failure in the FHF2-Deficient Heart. <i>Circulation Research</i> , 2020, 127, 1536-1548.	4.5	7
43	Genomic organization and embryonic expression of the mouse fibroblast growth factor 9 gene. <i>Developmental Dynamics</i> , 1999, 216, 72-88.	1.8	7
44	FHF2 SAFEGUARDS THE HEART AGAINST REDUCTIONS IN JUNCTIONAL CONDUCTANCE. <i>Journal of the American College of Cardiology</i> , 2019, 73, 350.	2.8	1