David H Gutmann

List of Publications by Year
in descending order

511 papers	44,660 citations	2440 100 h-index	3782 185 g-index
530 all docs	530 docs citations	530 times ranked	39645 citing authors

#	Article	IF	Citations
1	RNA sequence analysis reveals ITGAL/CD11A as a stromal regulator of murine low-grade glioma growth. Neuro-Oncology, 2022, 24, 14-26.	0.6	17
2	Human induced pluripotent stem cell modeling of neurofibromatosis type 1. , 2022, , 1-30.		0
3	Risk factors for treatment-refractory and relapsed optic pathway glioma in children with neurofibromatosis type 1. Neuro-Oncology, 2022, 24, 1377-1386.	0.6	9
4	Generation of human induced pluripotent stem cell-derived cerebral organoids for cellular and molecular characterization. STAR Protocols, 2022, 3, 101173.	0.5	4
5	Children with supratentorial midline pilocytic astrocytomas exhibit multiple progressions and acquisition of neurologic deficits over time. Neuro-Oncology Advances, 2022, 4, vdab187.	0.4	1
6	RAS and beyond: the many faces of the neurofibromatosis type 1 protein. DMM Disease Models and Mechanisms, 2022, 15, .	1.2	11
7	T lymphocytes as dynamic regulators of glioma pathobiology. Neuro-Oncology, 2022, 24, 1647-1657.	0.6	18
8	Immune deconvolution and temporal mapping identifies stromal targets and developmental intervals for abrogating murine low-grade optic glioma formation. Neuro-Oncology Advances, 2022, 4, vdab194.	0.4	5
9	Predictors of patient return to a tertiary neurofibromatosis subspecialty clinic. Journal of Pediatrics, 2022, , .	0.9	0
10	Neuronal hyperexcitability drives central and peripheral nervous system tumor progression in models of neurofibromatosis-1. Nature Communications, 2022, 13, 2785.	5.8	29
11	LINC-08. Neuro-Oncology tumor board â€“ one-year experience of international collaboration. Neuro-Oncology, 2022, 24, i163-i164.	0.6	0
12	Neurofibromatosis-1 Gene Mutational Profiles Differ Between Syndromic Disease and Sporadic Cancers. Neurology: Genetics, 2022, 8, .	0.9	3
13	Temporal, spatial, and genetic constraints contribute to the patterning and penetrance of murine neurofibromatosis-1 optic glioma. Neuro-Oncology, 2021, 23, 625-637.	0.6	7
14	Visual outcomes following everolimus targeted therapy for neurofibromatosis type 1â€associated optic pathway gliomas in children. Pediatric Blood and Cancer, 2021, 68, e28833.	0.8	9
15	Autism in neurofibromatosis type 1: misuse of covariance to dismiss autistic trait burden. Developmental Medicine and Child Neurology, 2021, 63, 233-234.	1.1	4
16	Cognition, ADHD Symptoms, and Functional Impairment in Children and Adolescents With Neurofibromatosis Type 1. Journal of Attention Disorders, 2021, 25, 1177-1186.	1.5	32
17	Immune cell analysis of pilocytic astrocytomas reveals sexually dimorphic brain region-specific differences in T-cell content. Neuro-Oncology Advances, 2021, 3, vdab068.	0.4	2
18	Cabozantinib for neurofibromatosis type 1â€“related plexiform neurofibromas: a phase 2 trial. Nature Medicine, 2021, 27, 165-173.	15.2	46

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19	Humanized neurofibroma model from induced pluripotent stem cells delineates tumor pathogenesis and developmental origins. Journal of Clinical Investigation, 2021, 131, .	3.9	43
20	Integrated molecular and clinical analysis of low-grade gliomas in children with neurofibromatosis type 1 (NF1). Acta Neuropathologica, 2021, 141, 605-617.	3.9	36
21	Shared developmental gait disruptions across two mouse models of neurodevelopmental disorders. Journal of Neurodevelopmental Disorders, 2021, 13, 10.	1.5	5
22	Familial Lipomas Without Classic Neurofibromatosis-1 Caused by a Missense Germline NF1 Mutation. Neurology: Genetics, 2021, 7, e582.	0.9	3
23	Predictive Modeling for Clinical Features Associated With Neurofibromatosis Type 1. Neurology: Clinical Practice, 2021, 11, 497-505.	0.8	6
24	Revised diagnostic criteria for neurofibromatosis type 1 and Legius syndrome: an international consensus recommendation. Genetics in Medicine, 2021, 23, 1506-1513.	1.1	290
25	NF1 mutation drives neuronalÂactivity-dependent initiation of optic glioma. Nature, 2021, 594, 277-282.	13.7	91
26	Reimagining pilocytic astrocytomas in the context of pediatric low-grade gliomas. Neuro-Oncology, 2021, 23, 1634-1646.	0.6	19
27	LGG-06. COMPREHENSIVE GENOMIC CHARACTERIZATION AND INTEGRATED CLINICAL ANALYSIS OF LOW-GRADE GLIOMAS IN CHILDREN WITH NEUROFIBROMATOSIS TYPE 1. Neuro-Oncology, 2021, 23, i32-i32.	0.6	0
28	Patient-derived iPSC-cerebral organoid modeling of the 17q11.2 microdeletion syndrome establishes CRLF3 as a critical regulator of neurogenesis. Cell Reports, 2021, 36, 109315.	2.9	28
29	SRF Is Required for Maintenance of Astrocytes in Non-Reactive State in the Mammalian Brain. ENeuro, 2021, 8, ENEURO.0447-19.2020.	0.9	6
30	BRAF mutations may identify a clinically distinct subset of glioblastoma. Scientific Reports, 2021, 11, 19999.	1.6	15
31	Asthma reduces glioma formation by T cell decorin-mediated inhibition of microglia. Nature Communications, 2021, 12, 7122.	5.8	21
32	Whole exome sequencing reveals the maintained polyclonal nature from primary to metastatic malignant peripheral nerve sheath tumor in two patients with NF1. Neuro-Oncology Advances, 2020, 2, i75-i84.	0.4	1
33	Neurofibromatosis 1 - Mutant microglia exhibit sexually-dimorphic cyclic AMP-dependent purinergic defects. Neurobiology of Disease, 2020, 144, 105030.	2.1	10
34	Junctional Adhesion Molecules in Cancer: A Paradigm for the Diverse Functions of Cellâ€“Cell Interactions in Tumor Progression. Cancer Research, 2020, 80, 4878-4885.	0.4	34
35	Midkine activation of CD8+ T cells establishes a neuronâ€“immuneâ€“cancer axis responsible for low-grade glioma growth. Nature Communications, 2020, 11, 2177.	5.8	83
36	Nonoptic pathway tumors in children with neurofibromatosis type 1. Neurology, 2020, 95, e1052-e1059.	1.5	15

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37	How Support of Early Career Researchers Can Reset Science in the Post-COVID19 World. Cell, 2020, 181, 1445-1449.	13.5	43
38	The Sociobiology of Brain Tumors. Advances in Experimental Medicine and Biology, 2020, 1225, 115-125.	0.8	4
39	Brain tumors in neurofibromatosis type 1. Neuro-Oncology Advances, 2020, 2, i85-i97.	0.4	23
40	Implications of new understandings of gliomas in children and adults with NF1: report of a consensus conference. Neuro-Oncology, 2020, 22, 773-784.	0.6	44
41	Human iPSC-Derived Neurons and Cerebral Organoids Establish Differential Effects of Germline NF1 Gene Mutations. Stem Cell Reports, 2020, 14, 541-550.	2.3	48
42	A phase II study of continuous oral mTOR inhibitor everolimus for recurrent, radiographic-progressive neurofibromatosis type 1â€“associated pediatric low-grade glioma: a Neurofibromatosis Clinical Trials Consortium study. Neuro-Oncology, 2020, 22, 1527-1535.	0.6	45
43	Roadmap for the Emerging Field of Cancer Neuroscience. Cell, 2020, 181, 219-222.	13.5	182
44	Loss of TDP-43 in astrocytes leads to motor deficits by triggering A1-like reactive phenotype and triglial dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29101-29112.	3.3	42
45	NFB-09. ENROLLMENT AND CLINICAL CHARACTERISTICS OF NEWLY DIAGNOSED, NEUROFIBROMATOSIS TYPE 1 ASSOCIATED OPTIC PATHWAY GLIOMA (NF1-OPG): PRELIMINARY RESULTS FROM AN INTERNATIONAL MULTI-CENTER NATURAL HISTORY STUDY. Neuro-Oncology, 2020, 22, iii419-iii419.	0.6	3
46	Visual field outcomes in children treated for neurofibromatosis type 1â€“associated optic pathway gliomas: a multicenter retrospective study. Journal of AAPOS, 2020, 24, 349.e1-349.e5.	0.2	7
47	Neurofibromatosis type 1. , 2020, , 185-200.		1
48	Neurofibromatosis 2 in children presenting during the first decade of life. Neurology, 2019, 93, e964-e967.	1.5	15
49	Tenascin C regulates multiple microglial functions involving TLR4 signaling and HDAC1. Brain, Behavior, and Immunity, 2019, 81, 470-483.	2.0	36
50	Pain symptomology, functional impact, and treatment of people with Neurofibromatosis type 1 . Journal of Pain Research, 2019, Volume 12, 2555-2561.	0.8	13
51	Microglia as Dynamic Cellular Mediators of Brain Function. Trends in Molecular Medicine, 2019, 25, 967-979.	3.5	107
52	Microglia/Brain Macrophages as Central Drivers of Brain Tumor Pathobiology. Neuron, 2019, 104, 442-449.	3.8	190
53	Understanding a complicated Gal-1. Neuro-Oncology, 2019, 21, 1341-1343.	0.6	2
54	Adaptive functioning in children with neurofibromatosis type 1: relationship to cognition, behavior, and magnetic resonance imaging. Developmental Medicine and Child Neurology, 2019, 61, 972-978.	1.1	17

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55	Variability of Betweenness Centrality and Its Effect on Identifying Essential Genes. Bulletin of Mathematical Biology, 2019, 81, 3655-3673.	0.9	17
56	Reply to â€˜Assembling the brain trust: the multidisciplinary imperative in neuro-oncologyâ€™. Nature Reviews Clinical Oncology, 2019, 16, 522-523.	12.5	0
57	Genetic and genomic alterations differentially dictate low-grade glioma growth through cancer stem cellâ€“specific chemokine recruitment of T cells and microglia. Neuro-Oncology, 2019, 21, 1250-1262.	0.6	66
58	Commentary: Identification of Mutation Regions on NF1 Responsible for High- and Low-Risk Development of Optic Pathway Glioma in Neurofibromatosis Type I. Frontiers in Genetics, 2019, 10, 115.	1.1	12
59	Challenges to curing primary brain tumours. Nature Reviews Clinical Oncology, 2019, 16, 509-520.	12.5	540
60	Comprehensive gene expression meta-analysis identifies signature genes that distinguish microglia from peripheral monocytes/macrophages in health and glioma. Acta Neuropathologica Communications, 2019, 7, 20.	2.4	124
61	NF1 glioblastoma clonal profiling reveals KMT2B mutations as potential somatic oncogenic events. Neurology, 2019, 93, 1067-1069.	1.5	11
62	let-7 MicroRNAs Regulate Microglial Function and Suppress Glioma Growth through Toll-Like Receptor 7. Cell Reports, 2019, 29, 3460-3471.e7.	2.9	64
63	Reproducibility of cognitive endpoints in clinical trials: lessons from neurofibromatosis type 1. Annals of Clinical and Translational Neurology, 2019, 6, 2555-2565.	1.7	24
64	KIAA1549-BRAF Expression Establishes a Permissive Tumor Microenvironment Through NFÎºB-Mediated CCL2 Production. Neoplasia, 2019, 21, 52-60.	2.3	28
65	Neurofibromatosis type 1 (Nf1)â€mutant mice exhibit increased sleep fragmentation. Journal of Sleep Research, 2019, 28, e12816.	1.7	11
66	Clearing the Fog surrounding Chemobrain. Cell, 2019, 176, 2-4.	13.5	18
67	Insights into optic pathway glioma vision loss from mouse models of neurofibromatosis type 1. Journal of Neuroscience Research, 2019, 97, 45-56.	1.3	15
68	Athymic mice reveal a requirement for T-cellâ€“microglia interactions in establishing a microenvironment supportive ofNf1low-grade glioma growth. Genes and Development, 2018, 32, 491-496.	2.7	45
69	A genotypeâ€“phenotype correlation for quantitative autistic trait burden in neurofibromatosis 1. Neurology, 2018, 90, 377-379.	1.5	20
70	Optic Pathway Gliomas in Neurofibromatosis Type 1. Journal of Child Neurology, 2018, 33, 73-81.	0.7	116
71	Î²â€“III-spectrin immunohistochemistry as a potential diagnostic tool with high sensitivity for malignant peripheral nerve sheath tumors. Neuro-Oncology, 2018, 20, 858-860.	0.6	8
72	A Conserved Circadian Function for the Neurofibromatosis 1 Gene. Cell Reports, 2018, 22, 3416-3426.	2.9	42

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73	Human stem cell modeling in neurofibromatosis type 1 (NF1). Experimental Neurology, 2018, 299, 270-280.	2.0	20
74	Neurofibromatosis type 1 and optic pathway glioma: Molecular interplay and therapeutic insights. Pediatric Blood and Cancer, 2018, 65, e26838.	0.8	27
75	Characterization of early communicative behavior in mouse models of neurofibromatosis type 1. Autism Research, 2018, 11, 44-58.	2.1	32
76	Graph complexity analysis identifies an ETV5 tumor-specific network in human and murine low-grade glioma. PLoS ONE, 2018, 13, e0190001.	1.1	5
77	Genetically engineered minipigs model the major clinical features of human neurofibromatosis type 1. Communications Biology, 2018, 1, 158.	2.0	49
78	Independent NF1 mutations underlie cafÃ©-au-lait macule development in a woman with segmental NF1. Neurology: Genetics, 2018, 4, e261.	0.9	2
79	Height Growth Impairment in Children With Neurofibromatosis Type 1 Is Characterized by Decreased Pubertal Growth Velocity in Both Sexes. Journal of Child Neurology, 2018, 33, 762-766.	0.7	6
80	Increased prevalence of brain tumors classified as T2 hyperintensities in neurofibromatosis 1. Neurology: Clinical Practice, 2018, 8, 283-291.	0.8	23
81	Neurofibromatosis type 1. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 148, 799-811.	1.0	84
82	Defining the temporal course of murine neurofibromatosis-1 optic gliomagenesis reveals a therapeutic window to attenuate retinal dysfunction. Neuro-Oncology, 2017, 19, now267.	0.6	21
83	Dissecting Clinical Heterogeneity in Neurofibromatosis Type 1. Annual Review of Pathology: Mechanisms of Disease, 2017, 12, 53-74.	9.6	39
84	Neurofibromatosis type 1. Nature Reviews Disease Primers, 2017, 3, 17004.	18.1	498
85	Cellular and Molecular Identity of Tumor-Associated Macrophages in Glioblastoma. Cancer Research, 2017, 77, 2266-2278.	0.4	463
86	MicroRNA Profiling Reveals Marker of Motor Neuron Disease in ALS Models. Journal of Neuroscience, 2017, 37, 5574-5586.	1.7	66
87	Using Epigenetic Reprogramming to Treat Pediatric Brain Cancer. Cancer Cell, 2017, 31, 609-611.	7.7	5
88	Increased Tissue Stiffness in Tumors from Mice with Neurofibromatosis-1 Optic Glioma. Biophysical Journal, 2017, 112, 1535-1538.	0.2	19
89	A multi-institutional study of brainstem gliomas in children with neurofibromatosis type 1. Neurology, 2017, 88, 1584-1589.	1.5	53
90	Estrogen activation of microglia underlies the sexually dimorphic differences in Nf1 optic gliomaâ€“induced retinal pathology. Journal of Experimental Medicine, 2017, 214, 17-25.	4.2	46

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91	A Novel Rac1-GSPT1 Signaling Pathway Controls Astrogliosis Following Central Nervous System Injury. Journal of Biological Chemistry, 2017, 292, 1240-1250.	1.6	28
92	Children with 5â€²-end NF1 gene mutations are more likely to have glioma. Neurology: Genetics, 2017, 3, e192.	0.9	24
93	Postnatal reduction of tuberous sclerosis complex 1 expression in astrocytes and neurons causes seizures in an ageâ€dependent manner. Epilepsia, 2017, 58, 2053-2063.	2.6	24
94	The Tropism of Pleiotrophin: Orchestrating Glioma Brain Invasion. Cell, 2017, 170, 821-822.	13.5	6
95	Neurodevelopmental disorders in children with neurofibromatosis type 1. Developmental Medicine and Child Neurology, 2017, 59, 1112-1116.	1.1	61
96	The power of the few. Genes and Development, 2017, 31, 1177-1179.	2.7	8
97	Updated nomenclature for human and mouse neurofibromatosis type 1 genes. Neurology: Genetics, 2017, 3, e169.	0.9	21
98	Tumor suppressor Tsc1 is a new Hsp90 coâ€chaperone that facilitates folding of kinase and nonâ€kinase clients. EMBO Journal, 2017, 36, 3650-3665.	3.5	64
99	Comprehensive and Integrated Genomic Characterization of Adult Soft Tissue Sarcomas. Cell, 2017, 171, 950-965.e28.	13.5	738
100	The management of neurofibromatosis type 1-associated malignant peripheral nerve sheath tumors: challenges, progress, and future prospects. Expert Opinion on Orphan Drugs, 2017, 5, 623-631.	0.5	7
101	Caddyshack therapeutics: overcoming glioblastoma adaptation. Neuro-Oncology, 2017, 19, 1429-1431.	0.6	0
102	Clinical genomic profiling identifies TYK2 mutation and overexpression in patients with neurofibromatosis type 1â€associated malignant peripheral nerve sheath tumors. Cancer, 2017, 123, 1194-1201.	2.0	25
103	Neurofibromatosis Type 1â€“Associated MPNST State of the Science: Outlining a Research Agenda for the Future. Journal of the National Cancer Institute, 2017, 109, .	3.0	80
104	Optic Pathway Gliomas in Neurofibromatosis Type 1: An Update: Surveillance, Treatment Indications, and Biomarkers of Vision. Journal of Neuro-Ophthalmology, 2017, 37, S23-S32.	0.4	99
105	CNS Tumors in Neurofibromatosis. Journal of Clinical Oncology, 2017, 35, 2378-2385.	0.8	70
106	Oligodendroglial myelination requires astrocyte-derived lipids. PLoS Biology, 2017, 15, e1002605.	2.6	179
107	Ccl5 establishes an autocrine high-grade glioma growth regulatory circuit critical for mesenchymal glioblastoma survival. Oncotarget, 2017, 8, 32977-32989.	0.8	46
108	Whole tumor RNA-sequencing and deconvolution reveal a clinically-prognostic PTEN/PI3K-regulated glioma transcriptional signature. Oncotarget, 2017, 8, 52474-52487.	0.8	21

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109	The cell of origin dictates the temporal course of neurofibromatosis-1 (Nf1) low-grade glioma formation. Oncotarget, 2017, 8, 47206-47215.	0.8	24
110	KIR2DL5 mutation and loss underlies sporadic dermal neurofibroma pathogenesis and growth. Oncotarget, 2017, 8, 47574-47585.	0.8	8
111	Pediatric gliomas as neurodevelopmental disorders. Glia, 2016, 64, 879-895.	2.5	51
112	Challenges in Drug Discovery for Neurofibromatosis Type 1-Associated Low-Grade Glioma. Frontiers in Oncology, 2016, 6, 259.	1.3	10
113	Gliosarcomas lack BRAF^{V600E} mutation, but a subset exhibit Î²â€catenin nuclear localization. Neuropathology, 2016, 36, 448-455.	0.7	5
114	Mice with missense and nonsense NF1 mutations display divergent phenotypes compared to NF1 patients. DMM Disease Models and Mechanisms, 2016, 9, 759-67.	1.2	23
115	Peri-gestational risk factors for pediatric brain tumors in Neurofibromatosis Type 1. Cancer Epidemiology, 2016, 42, 53-59.	0.8	6
116	De novo development of gliomas in a child with neurofibromatosis type 1, fragile X and previously normal brain magnetic resonance imaging. Radiology Case Reports, 2016, 11, 33-35.	0.2	1
117	Exploring the genetic basis for clinical variation in neurofibromatosis type 1. Expert Review of Neurotherapeutics, 2016, 16, 999-1001.	1.4	3
118	NF1germline mutation differentially dictates optic glioma formation and growth in neurofibromatosis-1. Human Molecular Genetics, 2016, 25, 1703-1713.	1.4	61
119	Macrocephaly Is Not a Predictor of Optic Pathway Glioma Development or Treatment in Neurofibromatosis Type 1. Journal of Child Neurology, 2016, 31, 1540-1545.	0.7	5
120	Randomized placebo-controlled study of lovastatin in children with neurofibromatosis type 1. Neurology, 2016, 87, 2575-2584.	1.5	76
121	Disease Burden and Symptom Structure of Autism in Neurofibromatosis Type 1. JAMA Psychiatry, 2016, 73, 1276.	6.0	90
122	Defining the Research Landscape for Dermal Neurofibromas. Oncology Times, 2016, 38, 14-15.	0.1	4
123	Associations between allergic conditions and pediatric brain tumors in Neurofibromatosis type 1. Familial Cancer, 2016, 15, 301-308.	0.9	11
124	Contextual signaling in cancer. Seminars in Cell and Developmental Biology, 2016, 58, 118-126.	2.3	7
125	Proteomic analysis reveals GIT1 as a novel mTOR complex component critical for mediating astrocyte survival. Genes and Development, 2016, 30, 1383-1388.	2.7	36
126	3-D imaging mass spectrometry of protein distributions in mouse Neurofibromatosis 1 (NF1)-associated optic glioma. Journal of Proteomics, 2016, 149, 77-84.	1.2	17

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127	Molecular Profiling Reveals Biologically Discrete Subsets and Pathways of Progression in Diffuse Glioma. Cell, 2016, 164, 550-563.	13.5	1,695
128	The role of microglia and macrophages in glioma maintenance and progression. Nature Neuroscience, 2016, 19, 20-27.	7.1	1,148
129	Spatially- and temporally-controlled postnatal p53 knockdown cooperates with embryonic Schwann cell precursor Nf1 gene loss to promote malignant peripheral nerve sheath tumor formation. Oncotarget, 2016, 7, 7403-7414.	0.8	30
130	ABCG1 maintains high-grade glioma survival in vitro and in vivo. Oncotarget, 2016, 7, 23416-23424.	0.8	18
131	Activated K-Ras, but Not H-Ras or N-Ras, Regulates Brain Neural Stem Cell Proliferation in a Raf/Rb-Dependent Manner. Stem Cells, 2015, 33, 1998-2010.	1.4	23
132	Neurofibromatosis type 1. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 132, 75-86.	1.0	137
133	Akt- or MEK-mediated mTOR inhibition suppresses Nf1 optic glioma growth. Neuro-Oncology, 2015, 17, 843-853.	0.6	75
134	Elucidating the impact of neurofibromatosis-1 germline mutations on neurofibromin function and dopamine-based learning. Human Molecular Genetics, 2015, 24, 3518-3528.	1.4	70
135	Whole Exome Sequencing Reveals the Order of Genetic Changes during Malignant Transformation and Metastasis in a Single Patient with NF1-plexiform Neurofibroma. Clinical Cancer Research, 2015, 21, 4201-4211.	3.2	39
136	Validity of participant-reported diagnoses in an online patient registry: A report from the NF1 Patient Registry Initiative. Contemporary Clinical Trials, 2015, 40, 212-217.	0.8	15
137	Improving outcomes for neurofibromatosis 1â€“associated brain tumors. Expert Review of Anticancer Therapy, 2015, 15, 415-423.	1.1	13
138	Morphologic and immunohistochemical features of malignant peripheral nerve sheath tumors and cellular schwannomas. Modern Pathology, 2015, 28, 187-200.	2.9	134
139	The adhesion GPCR Gpr56 regulates oligodendrocyte development via interactions with GÎ±12/13 and RhoA. Nature Communications, 2015, 6, 6122.	5.8	119
140	Neurofibromatosis type 1 and chronic neurological conditions in the United States: an administrative claims analysis. Genetics in Medicine, 2015, 17, 36-42.	1.1	23
141	RNAâ€sequencing reveals oligodendrocyte and neuronal transcripts in microglia relevant to central nervous system disease. Glia, 2015, 63, 531-548.	2.5	44
142	Sirolimus for progressive neurofibromatosis type 1-associated plexiform neurofibromas: a Neurofibromatosis Clinical Trials Consortium phase II study. Neuro-Oncology, 2015, 17, 596-603.	0.6	118
143	The Cyclic AMP Pathway Is a Sex-Specific Modifier of Glioma Risk in Type I Neurofibromatosis Patients. Cancer Research, 2015, 75, 16-21.	0.4	56
144	Neurofibromatoses. , 2015, , 921-933.		1

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145	Racial/Ethnic Differences in Pediatric Brain Tumor Diagnoses in Patients with Neurofibromatosis Type 1. Journal of Pediatrics, 2015, 167, 613-620.e2.	0.9	27
146	HCN channels are a novel therapeutic target for cognitive dysfunction in Neurofibromatosis type 1. Molecular Psychiatry, 2015, 20, 1311-1321.	4.1	66
147	Microglia in the tumor microenvironment: taking their TOLL on glioma biology. Neuro-Oncology, 2015, 17, 171-173.	0.6	17
148	Mouse Low-Grade Gliomas Contain Cancer Stem Cells with Unique Molecular and Functional Properties. Cell Reports, 2015, 10, 1899-1912.	2.9	39
149	Parental age and Neurofibromatosis Type 1: a report from the NF1 Patient Registry Initiative. Familial Cancer, 2015, 14, 317-324.	0.9	13
150	A Pilot Study for Evaluation of Hypotonia in Children With Neurofibromatosis Type 1. Journal of Child Neurology, 2015, 30, 382-385.	0.7	7
151	Neurofibromatosis-1 regulation of neural stem cell proliferation and multilineage differentiation operates through distinct RAS effector pathways. Genes and Development, 2015, 29, 1677-1682.	2.7	40
152	The impact of coexisting genetic mutations on murine optic glioma biology. Neuro-Oncology, 2015, 17, 670-677.	0.6	18
153	Distribution and Within-Family Specificity of Quantitative Autistic Traits inÂPatients with Neurofibromatosis Type I. Journal of Pediatrics, 2015, 167, 621-626.e1.	0.9	23
154	RNA Sequencing of Tumor-Associated Microglia Reveals Ccl5 as a Stromal Chemokine Critical for Neurofibromatosis-1 Glioma Growth. Neoplasia, 2015, 17, 776-788.	2.3	75
155	A multidisciplinary approach in neurofibromatosis 1â€“Authors' reply. Lancet Neurology, The, 2015, 14, 30-31.	4.9	1
156	The mTOR signaling pathway as a treatment target for intracranial neoplasms. Neuro-Oncology, 2015, 17, 189-199.	0.6	44
157	In Vivo Functional Analysis of the Human NF2 Tumor Suppressor Gene in Drosophila. PLoS ONE, 2014, 9, e90853.	1.1	6
158	Nf2/Merlin Controls Spinal Cord Neural Progenitor Function in a Rac1/ErbB2-Dependent Manner. PLoS ONE, 2014, 9, e97320.	1.1	13
159	The taxonomy of brain cancer stem cells: what's in a name?. Oncoscience, 2014, 1, 241-247.	0.9	3
160	Cognitive and behavioral problems in children with neurofibromatosis type 1: challenges and future directions. Expert Review of Neurotherapeutics, 2014, 14, 1139-1152.	1.4	27
161	NG2-cells are not the cell of origin for murine neurofibromatosis-1 (Nf1) optic glioma. Oncogene, 2014, 33, 289-299.	2.6	25
162	Using the Neurofibromatosis Tumor Predisposition Syndromes to Understand Normal Nervous System Development. Scientifica, 2014, 2014, 1-14.	0.6	0

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163	Gender as a disease modifier in neurofibromatosis type 1 optic pathway glioma. Annals of Neurology, 2014, 75, 799-800.	2.8	38
164	Evaluation of participant recruitment methods to a rare disease online registry. American Journal of Medical Genetics, Part A, 2014, 164, 1686-1694.	0.7	39
165	Reply. Annals of Neurology, 2014, 75, 800-801.	2.8	8
166	Sirolimus for nonâ€progressive NF1â€associated plexiform neurofibromas: An NF clinical trials consortium phase II study. Pediatric Blood and Cancer, 2014, 61, 982-986.	0.8	73
167	Sex Is a major determinant of neuronal dysfunction in neurofibromatosis type 1. Annals of Neurology, 2014, 75, 309-316.	2.8	114
168	Neuronal NF1/RAS regulation of cyclic AMP requires atypical PKC activation. Human Molecular Genetics, 2014, 23, 6712-6721.	1.4	67
169	BRAFV600E mutation in sporadic and neurofibromatosis type 1-related malignant peripheral nerve sheath tumors. Neuro-Oncology, 2014, 16, 466-467.	0.6	35
170	NF GEMMs Already! The Power and Promise of Mouse Tumor Models. Cancer Cell, 2014, 26, 596-599.	7.7	3
171	Update from the 2013 international neurofibromatosis conference. American Journal of Medical Genetics, Part A, 2014, 164, 2969-2978.	0.7	17
172	Neurofibromatosis type 1: a multidisciplinary approach to care. Lancet Neurology, The, 2014, 13, 834-843.	4.9	405
173	Suppression of MicroRNA-9 by Mutant EGFR Signaling Upregulates FOXP1 to Enhance Glioblastoma Tumorigenicity. Cancer Research, 2014, 74, 1429-1439.	0.4	59
174	BRAF-V600E mutation in pediatric and adult glioblastoma. Neuro-Oncology, 2014, 16, 318-319.	0.6	90
175	Eliminating barriers to personalized medicine. Neurology, 2014, 83, 463-471.	1.5	15
176	cDNA Hybrid Capture Improves Transcriptome Analysis on Low-Input and Archived Samples. Journal of Molecular Diagnostics, 2014, 16, 440-451.	1.2	40
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