Aurelio Hernandez Lain

List of Publications by Year
in descending order

80	1,791	331670	302126
papers	citations	21 h-index	39 g-index

92	92	92	3729
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	STAT3 labels a subpopulation of reactive astrocytes required for brain metastasis. Nature Medicine, 2018, 24, 1024-1035.	30.7	285
2	The Added Value of Apparent Diffusion Coefficient to Cerebral Blood Volume in the Preoperative Grading of Diffuse Gliomas. American Journal of Neuroradiology, 2012, 33, 701-707.	2.4	119
3	Inhibition of DYRK1A destabilizes EGFR and reduces EGFR-dependent glioblastoma growth. Journal of Clinical Investigation, 2013, 123, 2475-2487.	8.2	110
4	Phase II trial of dacomitinib, a panâ€“human EGFR tyrosine kinase inhibitor, in recurrent glioblastoma patients with EGFR amplification. Neuro-Oncology, 2017, 19, 1522-1531.	1.2	88
5	A new muscle glycogen storage disease associated with glycogeninâ€1 deficiency. Annals of Neurology, 2014, 76, 891-898.	5.3	72
6	Secondary coenzyme Q 10 deficiencies in oxidative phosphorylation (OXPHOS) and non-OXPHOS disorders. Mitochondrion, 2016, 30, 51-58.	3.4	70
7	Preclinical Test of Dacomitinib, an Irreversible EGFR Inhibitor, Confirms Its Effectiveness for Glioblastoma. Molecular Cancer Therapeutics, 2015, 14, 1548-1558.	4.1	61
8	A Prognostic Model Based on Preoperative MRI Predicts Overall Survival in Patients with Diffuse Gliomas. American Journal of Neuroradiology, 2014, 35, 1096-1102.	2.4	58
9	Glioblastoma on a microfluidic chip: Generating pseudopalisades and enhancing aggressiveness through blood vessel obstruction events. Neuro-Oncology, 2017, 19, now230.	1.2	51
10	Codeletion of 1p and 19q determines distinct gene methylation and expression profiles in IDH-mutated oligodendroglial tumors. Acta Neuropathologica, 2013, 126, 277-289.	7.7	49
11	The IDH-TAU-EGFR triad defines the neovascular landscape of diffuse gliomas. Science Translational Medicine, 2020, 12, .	12.4	46
12	de novo RYR1 heterozygous mutation (I4898T) causing lethal coreâ€“rod myopathy in twins. European Journal of Medical Genetics, 2011, 54, 29-33.	1.3	43
13	Prognostic value of X-chromosome inactivation in symptomatic female carriers of dystrophinopathy. Orphanet Journal of Rare Diseases, 2012, 7, 82.	2.7	40
14	Benign Valsalva's Maneuver-Related Headache: An MRI Study of Six Cases. Headache, 1996, 36, 251-253.	3.9	39
15	Molecular Study of Long-Term Survivors of Glioblastoma by Gene-Targeted Next-Generation Sequencing. Journal of Neuropathology and Experimental Neurology, 2018, 77, 710-716.	1.7	31
16	Time window for clinical effectiveness of mass evacuation in a rat balloon model mimicking an intraparenchymatous hematoma. Journal of the Neurological Sciences, 2000, 174, 40-46.	0.6	30
17	Stratification of radiosensitive brain metastases based on an actionable S100A9/RAGE resistance mechanism. Nature Medicine, 2022, 28, 752-765.	30.7	30
18	Endoscopic Transnasal Trans-Sphenoidal Approach for Pituitary Adenomas: A Comparison to the Microscopic Approach Cohort by Propensity Score Analysis. Neurosurgery, 2020, 86, 348-356.	1.1	27

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19	Severe TK2 enzyme activity deficiency in patients with mild forms of myopathy. Neurology, 2015, 84, 2286-2288.	1.1	26
20	Controlled release microspheres loaded with BMP7 suppress primary tumors from human glioblastoma. Oncotarget, 2015, 6, 10950-10963.	1.8	23
21	Abnormal TDP-43 and FUS proteins in muscles of sporadic IBM: similarities in a TARDBP-linked ALS patient. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 1414-1416.	1.9	22
22	Integrated Analysis of Mismatch Repair System in Malignant Astrocytomas. PLoS ONE, 2013, 8, e76401.	2.5	22
23	Evidence-Based Diagnostic Algorithm for Glioma: Analysis of the Results of Pathology Panel Review and Molecular Parameters of EORTC 26951 and 26882 Trials. Journal of Clinical Oncology, 2015, 33, 1943-1950.	1.6	21
24	Clinical, pathological and genetic spectrum in 89 cases of mitochondrial progressive external ophthalmoplegia. Journal of Medical Genetics, 2020, 57, 643-646.	3.2	21
25	TP53, ATRX alterations, and low tumor mutation load feature IDH-wildtype giant cell glioblastoma despite exceptional ultra-mutated tumors. Neuro-Oncology Advances, 2020, 2, vdz059.	0.7	20
26	Tumor-Derived Pericytes Driven by EGFR Mutations Govern the Vascular and Immune Microenvironment of Gliomas. Cancer Research, 2021, 81, 2142-2156.	0.9	20
27	A Roma founder BIN1 mutation causes a novel phenotype of centronuclear myopathy with rigid spine. Neurology, 2018, 91, e339-e348.	1.1	18
28	Glycogenin is Dispensable for Glycogen Synthesis in Human Muscle, and Glycogenin Deficiency Causes Polyglucosan Storage. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 557-566.	3.6	17
29	Novel mutation in TCAP manifesting with asymmetric calves and early-onset joint retractions. Neuromuscular Disorders, 2016, 26, 749-753.	0.6	16
30	Ocoxin Modulates Cancer Stem Cells and M2 Macrophage Polarization in Glioblastoma. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-12.	4.0	16
31	Immune Profiling of Gliomas Reveals a Connection with IDH1/2 Mutations, Tau Function and the Vascular Phenotype. Cancers, 2020, 12, 3230.	3.7	16
32	Acute neurological deterioration as a result of two synchronous hemorrhagic spinal ependymomas. , 2012, 3, 33.		15
33	Concurrent progressive multifocal leukoencephalopathy and central nervous system infiltration by multiple myeloma: A case report. Journal of Oncology Pharmacy Practice, 2019, 25, 998-1002.	0.9	14
34	Functional evaluation of paraplegic monkeys (Macaca mulatta) over fourteen months post-lesion. Neuroscience Research, 2011, 69, 144-153.	1.9	13
35	Leakage decrease detected by dynamic susceptibility-weighted contrast-enhanced perfusion MRI predicts survival in recurrent glioblastoma treated with bevacizumab. Clinical and Translational Oncology, 2017, 19, 51-57.	2.4	13
36	Blood-Brain Barrier Disruption: A Common Driver of Central Nervous System Diseases. Neuroscientist, 2022, 28, 222-237.	3.5	13

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37	A clinically compatible drugâ€screening platform based on organotypic cultures identifies vulnerabilities to prevent and treat brain metastasis. EMBO Molecular Medicine, 2022, 14, e14552.	6.9	12
38	Pathology of bilateral pulvinar degeneration following long duration status epilepticus. Seizure: the Journal of the British Epilepsy Association, 2013, 22, 901-904.	2.0	11
39	Clinical care and evolution of paraplegic monkeys (Macaca mulatta) over fourteen months post-lesion. Neuroscience Research, 2011, 69, 135-143.	1.9	10
40	Myosin myopathy with external ophthalmoplegia associated with a novel homozygous mutation in MYH2. Muscle and Nerve, 2017, 55, E8-E10.	2.2	10
41	Morphologic Features on MR Imaging Classify Multifocal Glioblastomas in Different Prognostic Groups. American Journal of Neuroradiology, 2019, 40, 634-640.	2.4	10
42	Perfusion MRI grading diffuse gliomas: Impact of permeability parameters on molecular biomarkers and survival. Neurocirugia, 2019, 30, 11-18.	0.4	10
43	Tumefactive multiple sclerosis requiring emergency craniotomy: Case report and literature review. Neurocirugia, 2013, 24, 220-224.	0.4	9
44	A novel RRM2B gene variant associated with Telbivudine-induced mitochondrial myopathy. Journal of the Neurological Sciences, 2015, 358, 481-483.	0.6	7
45	Myopathic mtDNA Depletion Syndrome Due to Mutation in TK2 Gene. Pediatric and Developmental Pathology, 2017, 20, 416-420.	1.0	7
46	Enteroviral T-cell encephalitis related to immunosuppressive therapy including rituximab. Neurology, 2017, 89, 408-409.	1.1	7
47	Milder forms of Î±-sarcoglicanopathies diagnosed in adulthood by NGS analysis. Journal of the Neurological Sciences, 2018, 394, 63-67.	0.6	7
48	Correlation of radiological and immunochemical parameters with clinical outcome in patients with recurrent glioblastoma treated with Bevacizumab. Clinical and Translational Oncology, 2019, 21, 1413-1423.	2.4	7
49	Spinal tanycytic ependymoma associated with neurofibromatosis type 2. , 2014, 33, 311-4.		7
50	LAMA2-related congenital muscular dystrophy complicated by West syndrome. European Journal of Paediatric Neurology, 2015, 19, 243-247.	1.6	6
51	Carey-Fineman-Ziter Syndrome: A MYMK-Related Myopathy Mimicking Brainstem Dysgenesis. Journal of Neuromuscular Diseases, 2020, 7, 309-313.	2.6	6
52	Clinical Features and Molecular Characterization of a Patient With Muscle-Eye-Brain Disease. Journal of Child Neurology, 2014, 29, 289-294.	1.4	5
53	Carnitine palmitoyltransferase 1A deficiency: abnormal muscle biopsy findings in a child presenting with Reye's syndrome. Journal of Inherited Metabolic Disease, 2017, 40, 751-752.	3.6	5
54	A novel mutation in the mitochondrial MT-ND5 gene in a family with MELAS. The relevance of genetic analysis on targeted tissues. Mitochondrion, 2020, 50, 14-18.	3.4	5

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55	Early complete recanalization in internal carotid artery embolism treated with high-dose t-PA. A sequential angiographic study in a novel model of embolism in rats. Journal of the Neurological Sciences, 1998, 157, 19-24.	0.6	4
56	PET-Florbetapir findings in primary cerebral amyloidoma. Journal of Neurology, 2015, 262, 1052-1054.	3.6	4
57	Muscle fiber type proportion and size is not altered in mcardle disease. Muscle and Nerve, 2017, 55, 916-918.	2.2	4
58	Congenital Ophthalmoplegia and Late-Onset Limb Weakness Caused by MUSK Mutations. Journal of Clinical Neuromuscular Disease, 2020, 21, 222-224.	0.7	4
59	Normal tissue content impact on the GBM molecular classification. Briefings in Bioinformatics, 2021, 22, .	6.5	4
60	Pathology-confirmed cerebral arterial invasion and recurrent multiple brain metastasis from cardiac myxoma without evidence of disease after surgery and radiotherapy. , 2016, 35, 84-88.		4
61	A milder phenotype of megaconial congenital muscular dystrophy due to a novelCHKBmutation. Muscle and Nerve, 2016, 54, 806-808.	2.2	3
62	Temozolomide induces radiologic pseudoprogression and tumor cell vanishing in oligodendroglioma. Neurology, 2016, 87, 114-115.	1.1	3
63	Delayed tacrolimus leukoencephalopathy, a rare and reversible cause of dementia. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e319.	6.0	3
64	Abstract B04: An in vitro model for glioblastoma using microfluidics: Generating pseudopalisades on a chip. , 2015, , .		3
65	Heterozygous and Homozygous Variants in SORL1 Gene in Alzheimerâ€™s Disease Patients: Clinical, Neuroimaging and Neuropathological Findings. International Journal of Molecular Sciences, 2022, 23, 4230.	4.1	3
66	793: Effective inhibition of glioblastoma growth with dacomitinib: an irreversible EGFR inhibitor. European Journal of Cancer, 2014, 50, S191.	2.8	2
67	MononeuropatÃa mÃºltiple por lepra: descripciÃ³n de un caso con presentaciÃ³n atÃpica. NeurologÃa, 2014, 29, 313-314.	0.7	2
68	Autosomal dominant distal myopathy with nemaline rods due to p.Glu197Asp mutation in ACTA1. Neuromuscular Disorders, 2019, 29, 247-250.	0.6	2
69	Targeting EGFR in glioblastoma: Preclinical testing of dacomitinib.. Journal of Clinical Oncology, 2014, 32, e13015-e13015.	1.6	2
70	Nodular bilateral amygdala degeneration in demented individuals. Acta Neuropathologica, 2010, 120, 683-688.	7.7	1
71	Distinct myopathic phenotypes associated with two novel mutations at the anticodon stem pair 28T:42A of the MT-TN gene of the mtDNA. Neuromuscular Disorders, 2016, 26, S176-S177.	0.6	1
72	Tumor cell vanishing with radiological changes suggesting progression in IDH-mutated diffuse astrocytoma treated only with surgery. , 2018, 37, 217-220.		1

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73	FXR1-related congenital myopathy: expansion of the clinical and genetic spectrum. Journal of Medical Genetics, 2022, 59, 1069-1074.	3.2	1
74	Occipital infarction following coronary angiography. , 1997, 40, 117-118.		0
75	Mitochondrial Cardiomyopathies Associated With the m.3243A>G Mutation in the MT-TL1 Gene: Two Sides of the Same Coin. Revista Espanola De Cardiologia (English Ed), 2015, 68, 153-155.	0.6	0
76	Pseudohipertrofia gemelar. ReumatologÃa ClÃnica, 2017, 13, 173-175.	0.5	0
77	Late onset distal myopathy: A new telethoninopathy. Neuromuscular Disorders, 2019, 29, 80-83.	0.6	0
78	Pearls & Oy-sters: Hickam's Dictum in Genetic Myopathies. Neurology, 2021, 96, 1007-1009.	1.1	0
79	Localized Bilateral Superior and Inferior Orbital Neurofibroma in the Absence of Neurofibromatosis. Case Reports in Ophthalmological Medicine, 2021, 2021, 1-6.	0.5	0
80	The frequency and impact of ROS1 rearrangement on clinical outcomes in GBM.. Journal of Clinical Oncology, 2014, 32, 2093-2093.	1.6	0