James E Goldman

List of Publications by Year
in descending order

74 papers	8,000 citations	76326 40 h-index	102487 66 g-index
103 all docs	103 docs citations	103 times ranked	9072 citing authors

#	Article	IF	Citations
1	Metabolic Enzyme Alterations and Astrocyte Dysfunction in a Murine Model of Alexander Disease With Severe Reactive Gliosis. Molecular and Cellular Proteomics, 2022, 21, 100180.	3.8	3
2	Non-cell-autonomous disruption of nuclear architecture as a potential cause of COVID-19-induced anosmia. Cell, 2022, 185, 1052-1064.e12.	28.9	154
3	Somatic variants in diverse genes leads to a spectrum of focal cortical malformations. Brain, 2022, 145, 2704-2720.	7.6	33
4	Corticobasal Syndrome with TAR Binding Protein 43â€"Positive Oligodendrocyte Inclusions. Movement Disorders, 2022, 37, 1564-1565.	3.9	0
5	Alzheimer Type I Astrocytes: Still Mysterious Cells. Journal of Neuropathology and Experimental Neurology, 2022, 81, 588-595.	1.7	0
6	Reactive astrocyte nomenclature, definitions, and future directions. Nature Neuroscience, 2021, 24, 312-325.	14.8	1,098
7	COVID-19 neuropathology at Columbia University Irving Medical Center/New York Presbyterian Hospital. Brain, 2021, 144, 2696-2708.	7.6	254
8	Neuronophagia and microglial nodules in a SARS-CoV-2 patient with cerebellar hemorrhage. Acta Neuropathologica Communications, 2020, 8, 147.	5.2	104
9	COVID-19 and possible links with Parkinsonâ€™s disease and parkinsonism: from bench to bedside. Npj Parkinson's Disease, 2020, 6, 18.	5.3	120
10	Meningomyeloencephalitis secondary to Mycobacterium haemophilum infection in AIDS. Acta Neuropathologica Communications, 2020, 8, 73.	5.2	2
11	Single-nucleus RNA-seq identifies Huntington disease astrocyte states. Acta Neuropathologica Communications, 2020, 8, 19.	5.2	175
12	Abnormal mitosis in reactive astrocytes. Acta Neuropathologica Communications, 2020, 8, 47.	5.2	6
13	Cyclophilin Dâ€"dependent oligodendrocyte mitochondrial ion leak contributes to neonatal white matter injury. Journal of Clinical Investigation, 2020, 130, 5536-5550.	8.2	13
14	Coâ€existent pilocytic astrocytoma with acute Bâ€cell leukemia within the cerebellum. Neuropathology, 2019, 39, 394-397.	1.2	0
15	The Long-Term Persistence of Borrelia burgdorferi Antigens and DNA in the Tissues of a Patient with Lyme Disease. Antibiotics, 2019, 8, 183.	3.7	34
16	Pathological correlates of brain arterial calcifications. Cardiovascular Pathology, 2019, 38, 7-13.	1.6	8
17	Site-specific phosphorylation and caspase cleavage of GFAP are new markers of Alexander disease severity. ELife, 2019, 8, .	6.0	42
18	Small heat shock protein speciation: novel non-canonical 44ÂkDa HspB5-related protein species in rat and human tissues. Cell Stress and Chaperones, 2018, 23, 813-826.	2.9	1

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19	White matter changes in Alzheimerâ€™s disease: a focus on myelin and oligodendrocytes. Acta Neuropathologica Communications, 2018, 6, 22.	5.2	412
20	Alexander disease: an astrocytopathy that produces a leukodystrophy. Brain Pathology, 2018, 28, 388-398.	4.1	46
21	Disorders of Astrocytes: Alexander Disease as a Model. Annual Review of Pathology: Mechanisms of Disease, 2017, 12, 131-152.	22.4	46
22	Histopathological Differences Between the Anterior and Posterior Brain Arteries as a Function of Aging. Stroke, 2017, 48, 638-644.	2.0	53
23	The origin of Rosenthal fibers and their contributions to astrocyte pathology in Alexander disease. Acta Neuropathologica Communications, 2017, 5, 27.	5.2	31
24	Direct comparison of microglial dynamics and inflammatory profile in photothrombotic and arterial occlusion evoked stroke. Neuroscience, 2017, 343, 483-494.	2.3	46
25	Composition of Rosenthal Fibers, the Protein Aggregate Hallmark of Alexander Disease. Journal of Proteome Research, 2016, 15, 2265-2282.	3.7	34
26	Brain arterial aging and its relationship to Alzheimer dementia. Neurology, 2016, 86, 1507-1515.	1.1	47
27	A Pathological Perspective on the Natural History of Cerebral Atherosclerosis. International Journal of Stroke, 2015, 10, 1074-1080.	5.9	42
28	Modeling the natural history of Pelizaeusâ€“Merzbacher disease. Neurobiology of Disease, 2015, 75, 115-130.	4.4	15
29	Astrocyte pathology in Alexander disease causes a marked inflammatory environment. Acta Neuropathologica, 2015, 130, 469-486.	7.7	48
30	Brain arterial remodeling contribution to nonembolic brain infarcts in patients with HIV. Neurology, 2015, 85, 1139-1145.	1.1	47
31	Phenotypic Heterogeneity and Plasticity of Isocortical and Hippocampal Astrocytes in the Human Brain. Journal of Neuroscience, 2014, 34, 2285-2298.	3.6	147
32	Loss of mTOR-Dependent Macroautophagy Causes Autistic-like Synaptic Pruning Deficits. Neuron, 2014, 83, 1131-1143.	8.1	863
33	Efficient Generation of Myelinating Oligodendrocytes from Primary Progressive Multiple Sclerosis Patients by Induced Pluripotent Stem Cells. Stem Cell Reports, 2014, 3, 250-259.	4.8	266
34	Effects of traumatic brain injury on reactive astrogliosis and seizures in mouse models of Alexander disease. Brain Research, 2014, 1582, 211-219.	2.2	14
35	Determinants of cerebrovascular remodeling: Do large brain arteries accommodate stenosis?. Atherosclerosis, 2014, 235, 371-379.	0.8	27
36	Phenotypic Conversions of â€œProtoplasmicâ€• to â€œReactiveâ€• Astrocytes in Alexander Disease. Journal of Neuroscience, 2013, 33, 7439-7450.	3.6	72

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37	Alexander Disease. Journal of Neuroscience, 2012, 32, 5017-5023.	3.6	210
38	Alexander Disease Mutant Glial Fibrillary Acidic Protein Compromises Glutamate Transport in Astrocytes. Journal of Neuropathology and Experimental Neurology, 2010, 69, 335-345.	1.7	70
39	Oligomers of Mutant Glial Fibrillary Acidic Protein (GFAP) Inhibit the Proteasome System in Alexander Disease Astrocytes, and the Small Heat Shock Protein Î±B-Crystallin Reverses the Inhibition. Journal of Biological Chemistry, 2010, 285, 10527-10537.	3.4	81
40	Adaptive autophagy in Alexander disease-affected astrocytes. Autophagy, 2008, 4, 701-703.	9.1	30
41	Autophagy induced by Alexander disease-mutant GFAP accumulation is regulated by p38/MAPK and mTOR signaling pathways. Human Molecular Genetics, 2008, 17, 1540-1555.	2.9	149
42	GFAP and its role in Alexander disease. Experimental Cell Research, 2007, 313, 2077-2087.	2.6	296
43	Plectin Regulates the Organization of Glial Fibrillary Acidic Protein in Alexander Disease. American Journal of Pathology, 2006, 168, 888-897.	3.8	68
44	Synergistic Effects of the SAPK/JNK and the Proteasome Pathway on Glial Fibrillary Acidic Protein (GFAP) Accumulation in Alexander Disease. Journal of Biological Chemistry, 2006, 281, 38634-38643.	3.4	89
45	Corticobasal syndrome with novel argyrophilic glial inclusions. Movement Disorders, 2005, 20, 598-602.	3.9	4
46	What are the characteristics of cycling cells in the adult central nervous system?. Journal of Cellular Biochemistry, 2003, 88, 20-23.	2.6	8
47	GFAP mutations in Alexander disease. International Journal of Developmental Neuroscience, 2002, 20, 259-268.	1.6	123
48	Heterogeneity of cycling glial progenitors in the adult mammalian cortex and white matter. Journal of Neurobiology, 2001, 48, 75-86.	3.6	92
49	Mutations in GFAP, encoding glial fibrillary acidic protein, are associated with Alexander disease. Nature Genetics, 2001, 27, 117-120.	21.4	611
50	Heterogeneity of cycling glial progenitors in the adult mammalian cortex and white matter. Journal of Neurobiology, 2001, 48, 75-86.	3.6	4
51	Î±B-crystallin regulates intermediate filament organization in situ. NeuroReport, 2000, 11, 361-365.	1.2	34
52	Glial differentiation and lineages. Journal of Neuroscience Research, 2000, 59, 410-412.	2.9	5
53	Brain Tissue Donation in Research on Parkinsonism. Loss,grief & Care, 2000, 8, 69-71.	0.2	0
54	Cycling cells in the adult rat neocortex preferentially generate oligodendroglia. Journal of Neuroscience Research, 1999, 57, 435-446.	2.9	153

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55	Cycling cells in the adult rat neocortex preferentially generate oligodendroglia. Journal of Neuroscience Research, 1999, 57, 435-446.	2.9	8
56	Alpha B-crystallin is associated with intermediate filaments in astrocytoma cells. Neurochemical Research, 1998, 23, 385-392.	3.3	74
57	Interactions between glial progenitors and blood vessels during early postnatal corticogenesis: Blood vessel contact represents an early stage of astrocyte differentiation. , 1997, 387, 537-546.		92
58	Multipotential and lineage restricted precursors coexist in the mammalian perinatal subventricular zone. Journal of Neuroscience Research, 1997, 48, 83-94.	2.9	161
59	Multipotential and lineage restricted precursors coexist in the mammalian perinatal subventricular zone. Journal of Neuroscience Research, 1997, 48, 83-94.	2.9	3
60	Developmental fates and migratory pathways of dividing progenitors in the postnatal rat cerebellum. Journal of Comparative Neurology, 1996, 370, 536-550.	1.6	114
61	A reappraisal of ganglioside GD3 expression in the CNS. , 1996, 16, 291-295.		35
62	In vivo characterization of endogenous proliferating cells in adult rat subcortical white matter. , 1996, 17, 39-51.		67
63	Parkinsonian features of eight pathologically diagnosed cases of diffuse lewy body disease. Movement Disorders, 1995, 10, 188-194.	3.9	51
64	Lineage, migration, and fate determination of postnatal subventricular zone cells in the mammalian CNS. Journal of Neuro-Oncology, 1995, 24, 61-64.	2.9	67
65	Ganglioglioma with neurofibrillary tangles (NFTs): neoplastic NFTs share antigenic determinants with NFTs of Alzheimer's disease. Acta Neuropathologica, 1995, 89, 451-453.	7.7	3
66	Coordinate and independent regulation of ?B-crystallin and HSP27 expression in response to physiological stress. Journal of Cellular Physiology, 1994, 159, 41-50.	4.1	119
67	?B-crystallin in oxidative muscle fibers and its accumulation in ragged-red fibers: a comparative immunohistochemical and histochemical study in human skeletal muscle. Acta Neuropathologica, 1993, 85, 475-80.	7.7	34
68	Phosphorylation of Î±-crystallin B in Alexander's disease brain. FEBS Letters, 1991, 294, 133-136.	2.8	32
69	Tracing glial cell lineages in the mammalian forebrain. Glia, 1991, 4, 149-156.	4.9	62
70	Preferential expression of Î±B-crystallin in astrocytic elements of neuroectodermal tumors. Cancer, 1991, 68, 2230-2240.	4.1	69
71	Case 1, 1989: Juvenile-onset parkinsonism, dystonia, and pyramidal tract signs. Movement Disorders, 1989, 4, 363-370.	3.9	5
72	Î±B-crystallin is expressed in non-lenticular tissues and accumulates in Alexander's disease brain. Cell, 1989, 57, 71-78.	28.9	550

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73	Astrocytes regulate GFAP mRNA levels by cyclic AMP and protein kinase C-dependent mechanisms. Glia, 1988, 1, 346-354.	4.9	119
74	Cycling cells in the adult rat neocortex preferentially generate oligodendroglia. , 0, .		1