Nephi Stella

List of Publications by Year
in descending order

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88 papers	11,281 citations	66234 42 h-index	51492 86 g-index
129 all docs	129 docs citations	129 times ranked	9780 citing authors

#	Article	IF	Citations
1	A second endogenous cannabinoid that modulates long-term potentiation. Nature, 1997, 388, 773-778.	13.7	1,374
2	Identification and Functional Characterization of Brainstem Cannabinoid CB2 Receptors. Science, 2005, 310, 329-332.	6.0	1,357
3	Evidence Supporting the Existence of an Activity-Dependent Astrocyte-Neuron Lactate Shuttle. Developmental Neuroscience, 1998, 20, 291-299.	1.0	610
4	Nonpsychotropic Cannabinoid Receptors Regulate Microglial Cell Migration. Journal of Neuroscience, 2003, 23, 1398-1405.	1.7	605
5	Cannabinoid and cannabinoidâ€like receptors in microglia, astrocytes, and astrocytomas. Glia, 2010, 58, 1017-1030.	2.5	442
6	The serine hydrolase ABHD6 controls the accumulation and efficacy of 2-AG at cannabinoid receptors. Nature Neuroscience, 2010, 13, 951-957.	7.1	395
7	Chronic microsensors for longitudinal, subsecond dopamine detection in behaving animals. Nature Methods, 2010, 7, 126-129.	9.0	316
8	Endocannabinoid signalling and the deteriorating brain. Nature Reviews Neuroscience, 2015, 16, 30-42.	4.9	312
9	The endocannabinoid system drives neural progenitor proliferation. FASEB Journal, 2005, 19, 1704-1706.	0.2	291
10	Cannabidiol attenuates seizures and social deficits in a mouse model of Dravet syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11229-11234.	3.3	283
11	Cannabinoids and neuroinflammation. British Journal of Pharmacology, 2004, 141, 775-785.	2.7	281
12	Endocannabinoid signaling in microglial cells. Neuropharmacology, 2009, 56, 244-253.	2.0	236
13	Palmitoylethanolamide Increases after Focal Cerebral Ischemia and Potentiates Microglial Cell Motility. Journal of Neuroscience, 2003, 23, 7767-7775.	1.7	232
14	Mechanism Involved in Initiation and Propagation of Receptor-Induced Intercellular Calcium Signaling in Cultured Rat Astrocytes. Journal of Neuroscience, 1997, 17, 1981-1992.	1.7	229
15	The Endocannabinoid System Promotes Astroglial Differentiation by Acting on Neural Progenitor Cells. Journal of Neuroscience, 2006, 26, 1551-1561.	1.7	225
16	Cannabinoid receptors and endocannabinoids: Evidence for new players. AAPS Journal, 2006, 8, E298-E306.	2.2	208
17	Cannabinoid signaling in glial cells. Glia, 2004, 48, 267-277.	2.5	207
18	Receptor-dependent formation of endogenous cannabinoids in cortical neurons. European Journal of Pharmacology, 2001, 425, 189-196.	1.7	204

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19	Cannabis use during pregnancy: Pharmacokinetics and effects on child development. , 2018, 182, 133-151.		180
20	P2X7 receptors control 2-arachidonoylglycerol production by microglial cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3214-3219.	3.3	174
21	Astrocytes in Culture Produce Anandamide and Other Acylethanolamides. Journal of Biological Chemistry, 2002, 277, 20869-20876.	1.6	162
22	Identification of a Novel Endocannabinoid-Hydrolyzing Enzyme Expressed by Microglial Cells. Journal of Neuroscience, 2007, 27, 2883-2889.	1.7	162
23	Endogenous Cannabinoid Signaling. Neurobiology of Disease, 1998, 5, 462-473.	2.1	155
24	Mutant huntingtin impairs immune cell migration in Huntington disease. Journal of Clinical Investigation, 2012, 122, 4737-4747.	3.9	132
25	Cannabinoid receptors and endocannabinoids: Evidence for new players. , 2006, 8, E298.		127
26	Experimental autoimmune encephalomyelitis disrupts endocannabinoid-mediated neuroprotection. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6362-6367.	3.3	121
27	Cannabinoid Receptor 2 Signaling in Peripheral Immune Cells Modulates Disease Onset and Severity in Mouse Models of Huntington's Disease. Journal of Neuroscience, 2012, 32, 18259-18268.	1.7	115
28	Synthesis and characterization of a peripherally restricted CB1 cannabinoid antagonist, URB447, that reduces feeding and body-weight gain in mice. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 639-643.	1.0	114
29	ATP Induces a Rapid and Pronounced Increase in 2-Arachidonoylglycerol Production by Astrocytes, a Response Limited by Monoacylglycerol Lipase. Journal of Neuroscience, 2004, 24, 8068-8074.	1.7	108
30	Differential changes in GPR55 during microglial cell activation. FEBS Letters, 2009, 583, 2071-2076.	1.3	103
31	ABHD6 Blockade Exerts Antiepileptic Activity in PTZ-Induced Seizures and in Spontaneous Seizures in R6/2 Mice. Neuron, 2014, 83, 361-371.	3.8	103
32	Arachidonylcyclopropylamide increases microglial cell migration through cannabinoid CB2 and abnormal-cannabidiol-sensitive receptors. European Journal of Pharmacology, 2003, 474, 195-198.	1.7	95
33	Endocannabinoids accumulate in spinal cord of SOD1 G93A transgenic mice. Journal of Neurochemistry, 2004, 89, 1555-1557.	2.1	93
34	Cannabinol delays symptom onset in SOD1 (G93A) transgenic mice without affecting survival. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2005, 6, 182-184.	2.3	86
35	Interleukin-1 Enhances the ATP-Evoked Release of Arachidonic Acid from Mouse Astrocytes. Journal of Neuroscience, 1997, 17, 2939-2946.	1.7	84
36	Microglia produce and hydrolyze palmitoylethanolamide. Neuropharmacology, 2008, 54, 16-22.	2.0	84

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37	Endothelin-1 increases 2-arachidonoyl glycerol (2-AG) production in astrocytes. Glia, 2003, 44, 85-90.	2.5	79
38	The Expression Level of CB1 and CB2 Receptors Determines Their Efficacy at Inducing Apoptosis in Astrocytomas. PLoS ONE, 2010, 5, e8702.	1.1	75
39	Endocannabinoid Signaling Mediates Psychomotor Activation by Adenosine A_{2A}Antagonists. Journal of Neuroscience, 2010, 30, 2160-2164.	1.7	74
40	The cannabinoid-1 receptor is abundantly expressed in striatal striosomes and striosome-dendron bouquets of the substantia nigra. PLoS ONE, 2018, 13, e0191436.	1.1	62
41	Microglial cell migration stimulated by ATP and C5a involve distinct molecular mechanisms: Quantification of migration by a novel nearâ€infrared method. Glia, 2009, 57, 875-883.	2.5	52
42	An optimized GCâ€“MS method detects nanomolar amounts of anandamide in mouse brain. Analytical Biochemistry, 2008, 373, 220-228.	1.1	46
43	Downregulation of cannabinoid receptor 1 from neuropeptide <scp>Y</scp> interneurons in the basal ganglia of patients with Huntington's disease and mouse models. European Journal of Neuroscience, 2013, 37, 429-440.	1.2	46
44	Genetic rescue of CB1 receptors on medium spiny neurons prevents loss of excitatory striatal synapses but not motor impairment in HD mice. Neurobiology of Disease, 2014, 71, 140-150.	2.1	46
45	Voluntary oral consumption of Î”9-tetrahydrocannabinol by adolescent rats impairs reward-predictive cue behaviors in adulthood. Neuropsychopharmacology, 2019, 44, 1406-1414.	2.8	46
46	MBC94, a Conjugable Ligand for Cannabinoid CB₂ Receptor Imaging. Bioconjugate Chemistry, 2008, 19, 988-992.	1.8	42
47	Quantitative Analyses of Synergistic Responses between Cannabidiol and DNA-Damaging Agents on the Proliferation and Viability of Glioblastoma and Neural Progenitor Cells in Culture. Journal of Pharmacology and Experimental Therapeutics, 2017, 360, 215-224.	1.3	42
48	Dual Inhibition of Î±/Î²-Hydrolase Domain 6 and Fatty Acid Amide Hydrolase Increases Endocannabinoid Levels in Neurons. Journal of Biological Chemistry, 2011, 286, 28723-28728.	1.6	39
49	Two Novel Mutations inABHD12: Expansion of the Mutation Spectrum in PHARC and Assessment of Their Functional Effects. Human Mutation, 2013, 34, 1672-1678.	1.1	39
50	ABHD6: Its Place in Endocannabinoid Signaling and Beyond. Trends in Pharmacological Sciences, 2019, 40, 267-277.	4.0	39
51	Modulation of Pilocarpine-Induced Seizures by Cannabinoid Receptor 1. PLoS ONE, 2014, 9, e95922.	1.1	39
52	A Peripheral Benzodiazepine Receptor Targeted Agent for In Vitro Imaging and Screening. Bioconjugate Chemistry, 2006, 17, 735-740.	1.8	36
53	NIR-mbc94, a Fluorescent Ligand that Binds to Endogenous CB2 Receptors and Is Amenable to High-Throughput Screening. Chemistry and Biology, 2011, 18, 563-568.	6.2	36
54	Gravin Is a Transitory Effector of Polo-like Kinase 1 during Cell Division. Molecular Cell, 2012, 48, 547-559.	4.5	36

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55	G protein-coupled receptors as oncogenic signals in glioma: Emerging therapeutic avenues. Neuroscience, 2014, 278, 222-236.	1.1	34
56	Vasoactive Intestinal Peptide (VIP) and Pituitary Adenylate Cyclase-activating Polypeptide (PACAP) Potentiate the Glutamate-evoked Release of Arachidonic Acid from Mouse Cortical Neurons. Journal of Biological Chemistry, 1996, 271, 23705-23710.	1.6	28
57	A novel near-infrared fluorescence imaging probe that preferentially binds to cannabinoid receptors CB2R over CB1R. Biomaterials, 2015, 57, 169-178.	5.7	27
58	Cannabis use by individuals with multiple sclerosis: effects on specific immune parameters. Inflammopharmacology, 2014, 22, 295-303.	1.9	25
59	ST-11: A New Brain-Penetrant Microtubule-Destabilizing Agent with Therapeutic Potential for Glioblastoma Multiforme. Molecular Cancer Therapeutics, 2016, 15, 2018-2029.	1.9	22
60	Modified carbazoles destabilize microtubules and kill glioblastoma multiform cells. European Journal of Medicinal Chemistry, 2018, 159, 74-89.	2.6	19
61	Identification of Î±,Î²-Hydrolase Domain Containing Protein 6 as a Diacylglycerol Lipase in Neuro-2a Cells. Frontiers in Molecular Neuroscience, 2019, 12, 286.	1.4	19
62	Differential migratory properties of monocytes isolated from human subjects naÃ¯ve and non-naÃ¯ve to Cannabis. Inflammopharmacology, 2013, 21, 253-259.	1.9	15
63	GPR124 regulates microtubule assembly, mitotic progression, and glioblastoma cell proliferation. Glia, 2019, 67, 1558-1570.	2.5	15
64	Alkylindole-sensitive receptors modulate microglial cell migration and proliferation. Glia, 2015, 63, 1797-1808.	2.5	14
65	Novel indole-based compounds that differentiate alkylindole-sensitive receptors from cannabinoid receptors and microtubules: Characterization of their activity on glioma cell migration. Pharmacological Research, 2017, 115, 233-241.	3.1	13
66	Genetic Manipulation of Palmitoylethanolamide Production and Inactivation in Saccharomyces cerevisiae. PLoS ONE, 2009, 4, e5942.	1.1	11
67	Inflammation to Rebuild a Brain. Science, 2012, 338, 1303-1304.	6.0	11
68	Chronic THC intake modifies fundamental cerebellar functions. Journal of Clinical Investigation, 2013, 123, 3208-3210.	3.9	11
69	Sex-dependent behavioral impairments in the HdhQ350/+ mouse line. Behavioural Brain Research, 2018, 337, 34-45.	1.2	10
70	A brain-penetrant microtubule-targeting agent that disrupts hallmarks of glioma tumorigenesis. Neuro-Oncology Advances, 2021, 3, vdaa165.	0.4	10
71	Muscarinic M 1 receptor and cannabinoid CB 1 receptor do not modulate paraoxonâ€induced seizures. Pharmacology Research and Perspectives, 2015, 3, e00100.	1.1	9
72	Benzisothiazolinone Derivatives as Potent Allosteric Monoacylglycerol Lipase Inhibitors That Functionally Mimic Sulfenylation of Regulatory Cysteines. Journal of Medicinal Chemistry, 2020, 63, 1261-1280.	2.9	9

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73	Binding of NIR-conPK and NIR-6T to Astrocytomas and Microglial Cells: Evidence for a Protein Related to TSPO. PLoS ONE, 2009, 4, e8271.	1.1	9
74	2-AG + 2 New Players = Forecast for Therapeutic Advances. Chemistry and Biology, 2007, 14, 1309-1311.	6.2	8
75	Potential upstream regulators of cannabinoid receptor 1 signaling in prostate cancer: A Bayesian network analysis of data from a tissue microarray. Prostate, 2014, 74, 1107-1117.	1.2	8
76	Measuring Endocannabinoid Hydrolysis: Refining our Tools and Understanding. AAPS Journal, 2009, 11, 307-311.	2.2	7
77	Dynamic mass redistribution reveals diverging importance of PDZ-ligands for G protein-coupled receptor pharmacodynamics. Pharmacological Research, 2016, 105, 13-21.	3.1	7
78	Sex-dependent impaired locomotion and motor coordination in the HdhQ200/200 mouse model of Huntington's Disease. Neurobiology of Disease, 2019, 132, 104607.	2.1	7
79	Cannabinoid Signaling in Glial Cells in Health and Disease. Current Neuropharmacology, 2004, 2, 115-124.	1.4	6
80	Anatomy of Prostaglandin Signals. Science, 2011, 334, 768-769.	6.0	6
81	Unintended specificity of an engineered ligand-binding protein facilitated by unpredicted plasticity of the protein fold. Protein Engineering, Design and Selection, 2018, 31, 375-387.	1.0	6
82	ABHD6 Controls Amphetamine-Stimulated Hyperlocomotion: Involvement of CB₁ Receptors. Cannabis and Cannabinoid Research, 2022, 7, 188-198.	1.5	6
83	Targeting Astrocytomas and Invading Immune Cells with Cannabinoids: A Promising Therapeutic Avenue. Molecular Neurobiology, 2007, 36, 36-44.	1.9	5
84	Control of exploration, motor coordination and amphetamine sensitization by cannabinoid CB₁ receptors expressed in medium spiny neurons. European Journal of Neuroscience, 2021, 54, 4934-4952.	1.2	5
85	Label-Free Dynamic Mass Redistribution Reveals Low-Density, Prosurvival Î±_{1B}-Adrenergic Receptors in Human SW480 Colon Carcinoma Cells. Journal of Pharmacology and Experimental Therapeutics, 2017, 361, 219-228.	1.3	4
86	Targeting endocannabinoid signaling in tumorâ€associated macrophages as treatment for glioblastoma multiforme. Environmental Sciences Europe, 2014, 3, 39-51.	2.6	3
87	Cannabis Sativa: Getting closer to separating the medicinal properties from the drug of abuse. Journal of Neuroimmunology, 2005, 166, 1-2.	1.1	2
88	GPR124 coupling and function in astrocytomas. FASEB Journal, 2013, 27, 1096.4.	0.2	0