

# Nephi Stella

## List of Publications by Year in descending order

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88  
papers

11,281  
citations

66343

42  
h-index

49909

87  
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. <i>Nature</i> , 1997, 388, 773-778.	27.8	1,374
2	Identification and Functional Characterization of Brainstem Cannabinoid CB <sub>2</sub> Receptors. <i>Science</i> , 2005, 310, 329-332.	12.6	1,357
3	Evidence Supporting the Existence of an Activity-Dependent Astrocyte-Neuron Lactate Shuttle. <i>Developmental Neuroscience</i> , 1998, 20, 291-299.	2.0	610
4	Nonpsychotropic Cannabinoid Receptors Regulate Microglial Cell Migration. <i>Journal of Neuroscience</i> , 2003, 23, 1398-1405.	3.6	605
5	Cannabinoid and cannabinoid-like receptors in microglia, astrocytes, and astrocytomas. <i>Glia</i> , 2010, 58, 1017-1030.	4.9	442
6	The serine hydrolase ABHD6 controls the accumulation and efficacy of 2-AG at cannabinoid receptors. <i>Nature Neuroscience</i> , 2010, 13, 951-957.	14.8	395
7	Chronic microsensors for longitudinal, subsecond dopamine detection in behaving animals. <i>Nature Methods</i> , 2010, 7, 126-129.	19.0	316
8	Endocannabinoid signalling and the deteriorating brain. <i>Nature Reviews Neuroscience</i> , 2015, 16, 30-42.	10.2	312
9	The endocannabinoid system drives neural progenitor proliferation. <i>FASEB Journal</i> , 2005, 19, 1704-1706.	0.5	291
10	Cannabidiol attenuates seizures and social deficits in a mouse model of Dravet syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11229-11234.	7.1	283
11	Cannabinoids and neuroinflammation. <i>British Journal of Pharmacology</i> , 2004, 141, 775-785.	5.4	281
12	Endocannabinoid signaling in microglial cells. <i>Neuropharmacology</i> , 2009, 56, 244-253.	4.1	236
13	Palmitoylethanolamide Increases after Focal Cerebral Ischemia and Potentiates Microglial Cell Motility. <i>Journal of Neuroscience</i> , 2003, 23, 7767-7775.	3.6	232
14	Mechanism Involved in Initiation and Propagation of Receptor-Induced Intercellular Calcium Signaling in Cultured Rat Astrocytes. <i>Journal of Neuroscience</i> , 1997, 17, 1981-1992.	3.6	229
15	The Endocannabinoid System Promotes Astroglial Differentiation by Acting on Neural Progenitor Cells. <i>Journal of Neuroscience</i> , 2006, 26, 1551-1561.	3.6	225
16	Cannabinoid receptors and endocannabinoids: Evidence for new players. <i>AAPS Journal</i> , 2006, 8, E298-E306.	4.4	208
17	Cannabinoid signaling in glial cells. <i>Glia</i> , 2004, 48, 267-277.	4.9	207
18	Receptor-dependent formation of endogenous cannabinoids in cortical neurons. <i>European Journal of Pharmacology</i> , 2001, 425, 189-196.	3.5	204

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19	Cannabis use during pregnancy: Pharmacokinetics and effects on child development. , 2018, 182, 133-151.		180
20	P2X <sub>7</sub> 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.	7.1	174
21	Astrocytes in Culture Produce Anandamide and Other Acylethanolamides. Journal of Biological Chemistry, 2002, 277, 20869-20876.	3.4	162
22	Identification of a Novel Endocannabinoid-Hydrolyzing Enzyme Expressed by Microglial Cells. Journal of Neuroscience, 2007, 27, 2883-2889.	3.6	162
23	Endogenous Cannabinoid Signaling. Neurobiology of Disease, 1998, 5, 462-473.	4.4	155
24	Mutant huntingtin impairs immune cell migration in Huntington disease. Journal of Clinical Investigation, 2012, 122, 4737-4747.	8.2	132
25	Cannabinoid Receptors and Endocannabinoids: Evidence for New Players. AAPS Journal, 2006, 08, E298.	4.4	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.	7.1	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.	3.6	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.	2.2	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.	3.6	108
30	Differential changes in GPR55 during microglial cell activation. FEBS Letters, 2009, 583, 2071-2076.	2.8	103
31	ABHD6 Blockade Exerts Antiepileptic Activity in PTZ-Induced Seizures and in Spontaneous Seizures in R6/2 Mice. Neuron, 2014, 83, 361-371.	8.1	103
32	Arachidonylcyclopropylamide increases microglial cell migration through cannabinoid CB2 and abnormal-cannabidiol-sensitive receptors. European Journal of Pharmacology, 2003, 474, 195-198.	3.5	95
33	Endocannabinoids accumulate in spinal cord of SOD1 G93A transgenic mice. Journal of Neurochemistry, 2004, 89, 1555-1557.	3.9	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.	2.1	86
35	Interleukin-1 Enhances the ATP-Evoked Release of Arachidonic Acid from Mouse Astrocytes. Journal of Neuroscience, 1997, 17, 2939-2946.	3.6	84
36	Microglia produce and hydrolyze palmitoylethanolamide. Neuropharmacology, 2008, 54, 16-22.	4.1	84

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37	Endothelin-1 increases 2-arachidonoyl glycerol (2-AG) production in astrocytes. <i>Glia</i> , 2003, 44, 85-90.	4.9	79
38	The Expression Level of CB1 and CB2 Receptors Determines Their Efficacy at Inducing Apoptosis in Astrocytomas. <i>PLoS ONE</i> , 2010, 5, e8702.	2.5	75
39	Endocannabinoid Signaling Mediates Psychomotor Activation by Adenosine A <sub>2A</sub> Antagonists. <i>Journal of Neuroscience</i> , 2010, 30, 2160-2164.	3.6	74
40	The cannabinoid-1 receptor is abundantly expressed in striatal striosomes and striosome-dendron bouquets of the substantia nigra. <i>PLoS ONE</i> , 2018, 13, e0191436.	2.5	62
41	Microglial cell migration stimulated by ATP and C5a involve distinct molecular mechanisms: Quantification of migration by a novel near-infrared method. <i>Glia</i> , 2009, 57, 875-883.	4.9	52
42	An optimized GC-MS method detects nanomolar amounts of anandamide in mouse brain. <i>Analytical Biochemistry</i> , 2008, 373, 220-228.	2.4	46
43	Downregulation of cannabinoid receptor 1 from neuropeptide Y interneurons in the basal ganglia of patients with Huntington's disease and mouse models. <i>European Journal of Neuroscience</i> , 2013, 37, 429-440.	2.6	46
44	Genetic rescue of CB1 receptors on medium spiny neurons prevents loss of excitatory striatal synapses but not motor impairment in HD mice. <i>Neurobiology of Disease</i> , 2014, 71, 140-150.	4.4	46
45	Voluntary oral consumption of $\delta^9$ -tetrahydrocannabinol by adolescent rats impairs reward-predictive cue behaviors in adulthood. <i>Neuropsychopharmacology</i> , 2019, 44, 1406-1414.	5.4	46
46	MBC94, a Conjugable Ligand for Cannabinoid CB <sub>2</sub> Receptor Imaging. <i>Bioconjugate Chemistry</i> , 2008, 19, 988-992.	3.6	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. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 360, 215-224.	2.5	42
48	Dual Inhibition of $\beta^2$ -Hydrolase Domain 6 and Fatty Acid Amide Hydrolase Increases Endocannabinoid Levels in Neurons. <i>Journal of Biological Chemistry</i> , 2011, 286, 28723-28728.	3.4	39
49	Two Novel Mutations in <i>ABHD12</i> : Expansion of the Mutation Spectrum in PHARC and Assessment of Their Functional Effects. <i>Human Mutation</i> , 2013, 34, 1672-1678.	2.5	39
50	ABHD6: Its Place in Endocannabinoid Signaling and Beyond. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 267-277.	8.7	39
51	Modulation of Pilocarpine-Induced Seizures by Cannabinoid Receptor 1. <i>PLoS ONE</i> , 2014, 9, e95922.	2.5	39
52	A Peripheral Benzodiazepine Receptor Targeted Agent for In Vitro Imaging and Screening. <i>Bioconjugate Chemistry</i> , 2006, 17, 735-740.	3.6	36
53	NIR-mbc94, a Fluorescent Ligand that Binds to Endogenous CB2 Receptors and Is Amenable to High-Throughput Screening. <i>Chemistry and Biology</i> , 2011, 18, 563-568.	6.0	36
54	Gravin Is a Transitory Effector of Polo-like Kinase 1 during Cell Division. <i>Molecular Cell</i> , 2012, 48, 547-559.	9.7	36

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55	G protein-coupled receptors as oncogenic signals in glioma: Emerging therapeutic avenues. <i>Neuroscience</i> , 2014, 278, 222-236.	2.3	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. <i>Journal of Biological Chemistry</i> , 1996, 271, 23705-23710.	3.4	28
57	A novel near-infrared fluorescence imaging probe that preferentially binds to cannabinoid receptors CB2R over CB1R. <i>Biomaterials</i> , 2015, 57, 169-178.	11.4	27
58	Cannabis use by individuals with multiple sclerosis: effects on specific immune parameters. <i>Inflammopharmacology</i> , 2014, 22, 295-303.	3.9	25
59	ST-11: A New Brain-Penetrant Microtubule-Destabilizing Agent with Therapeutic Potential for Glioblastoma Multiforme. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 2018-2029.	4.1	22
60	Modified carbazoles destabilize microtubules and kill glioblastoma multiform cells. <i>European Journal of Medicinal Chemistry</i> , 2018, 159, 74-89.	5.5	19
61	Identification of $\hat{\pm}$ , $\hat{2}$ -Hydrolase Domain Containing Protein 6 as a Diacylglycerol Lipase in Neuro-2a Cells. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 286.	2.9	19
62	Differential migratory properties of monocytes isolated from human subjects na $\hat{v}$ e and non-na $\hat{v}$ e to Cannabis. <i>Inflammopharmacology</i> , 2013, 21, 253-259.	3.9	15
63	GPR124 regulates microtubule assembly, mitotic progression, and glioblastoma cell proliferation. <i>Glia</i> , 2019, 67, 1558-1570.	4.9	15
64	Alkylindole-sensitive receptors modulate microglial cell migration and proliferation. <i>Glia</i> , 2015, 63, 1797-1808.	4.9	14
65	Novel indole-based compounds that differentiate alkylindole-sensitive receptors from cannabinoid receptors and microtubules: Characterization of their activity on glioma cell migration. <i>Pharmacological Research</i> , 2017, 115, 233-241.	7.1	13
66	Genetic Manipulation of Palmitoylethanolamide Production and Inactivation in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2009, 4, e5942.	2.5	11
67	Inflammation to Rebuild a Brain. <i>Science</i> , 2012, 338, 1303-1304.	12.6	11
68	Chronic THC intake modifies fundamental cerebellar functions. <i>Journal of Clinical Investigation</i> , 2013, 123, 3208-3210.	8.2	11
69	Sex-dependent behavioral impairments in the HdhQ350/+ mouse line. <i>Behavioural Brain Research</i> , 2018, 337, 34-45.	2.2	10
70	A brain-penetrant microtubule-targeting agent that disrupts hallmarks of glioma tumorigenesis. <i>Neuro-Oncology Advances</i> , 2021, 3, vdaa165.	0.7	10
71	Muscarinic M 1 receptor and cannabinoid CB 1 receptor do not modulate paraoxon $\hat{a}$ induced seizures. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00100.	2.4	9
72	Benzisothiazolinone Derivatives as Potent Allosteric Monoacylglycerol Lipase Inhibitors That Functionally Mimic Sulfenylation of Regulatory Cysteines. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 1261-1280.	6.4	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.	2.5	9
74	2-AG + 2 New Players = Forecast for Therapeutic Advances. Chemistry and Biology, 2007, 14, 1309-1311.	6.0	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.	2.3	8
76	Measuring Endocannabinoid Hydrolysis: Refining our Tools and Understanding. AAPS Journal, 2009, 11, 307-311.	4.4	7
77	Dynamic mass redistribution reveals diverging importance of PDZ-ligands for G protein-coupled receptor pharmacodynamics. Pharmacological Research, 2016, 105, 13-21.	7.1	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.	4.4	7
79	Cannabinoid Signaling in Glial Cells in Health and Disease. Current Neuropharmacology, 2004, 2, 115-124.	2.9	6
80	Anatomy of Prostaglandin Signals. Science, 2011, 334, 768-769.	12.6	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.	2.1	6
82	ABHD6 Controls Amphetamine-Stimulated Hyperlocomotion: Involvement of CB <sub>1</sub> Receptors. Cannabis and Cannabinoid Research, 2022, 7, 188-198.	2.9	6
83	Targeting Astrocytomas and Invading Immune Cells with Cannabinoids: A Promising Therapeutic Avenue. Molecular Neurobiology, 2007, 36, 36-44.	4.0	5
84	Control of exploration, motor coordination and amphetamine sensitization by cannabinoid CB <sub>1</sub> receptors expressed in medium spiny neurons. European Journal of Neuroscience, 2021, 54, 4934-4952.	2.6	5
85	Label-Free Dynamic Mass Redistribution Reveals Low-Density, Prosurvival $\alpha$ -1B-Adrenergic Receptors in Human SW480 Colon Carcinoma Cells. Journal of Pharmacology and Experimental Therapeutics, 2017, 361, 219-228.	2.5	4
86	Targeting endocannabinoid signaling in tumor-associated macrophages as treatment for glioblastoma multiforme. Environmental Sciences Europe, 2014, 3, 39-51.	5.5	3
87	Cannabis Sativa: Getting closer to separating the medicinal properties from the drug of abuse. Journal of Neuroimmunology, 2005, 166, 1-2.	2.3	2
88	GPR124 coupling and function in astrocytomas. FASEB Journal, 2013, 27, 1096.4.	0.5	0