

# Francisco Molina-Holgado

## List of Publications by Year in descending order

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46  
papers

3,459  
citations

136950

32  
h-index

233421

45  
g-index

48  
all docs

48  
docs citations

48  
times ranked

4003  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cannabinoids Promote Oligodendrocyte Progenitor Survival: Involvement of Cannabinoid Receptors and Phosphatidylinositol-3 Kinase/Akt Signaling. <i>Journal of Neuroscience</i> , 2002, 22, 9742-9753.	3.6	390
2	Cannabinoids provide neuroprotection against 6-hydroxydopamine toxicity in vivo and in vitro: Relevance to Parkinson's disease. <i>Neurobiology of Disease</i> , 2005, 19, 96-107.	4.4	339
3	Metals ions and neurodegeneration. <i>BioMetals</i> , 2007, 20, 639-654.	4.1	186
4	Endogenous Interleukin-1 Receptor Antagonist Mediates Anti-Inflammatory and Neuroprotective Actions of Cannabinoids in Neurons and Glia. <i>Journal of Neuroscience</i> , 2003, 23, 6470-6474.	3.6	185
5	Induction of COX-2 and PGE2 biosynthesis by IL-1 $\beta$ is mediated by PKC and mitogen-activated protein kinases in murine astrocytes. <i>British Journal of Pharmacology</i> , 2000, 131, 152-159.	5.4	180
6	A diacylglycerol lipase-CB2 cannabinoid pathway regulates adult subventricular zone neurogenesis in an age-dependent manner. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 526-536.	2.2	158
7	Role of CB <sub>1</sub> and CB <sub>2</sub> receptors in the inhibitory effects of cannabinoids on lipopolysaccharide-induced nitric oxide release in astrocyte cultures. <i>Journal of Neuroscience Research</i> , 2002, 67, 829-836.	2.9	133
8	CB2 cannabinoid receptors promote mouse neural stem cell proliferation. <i>European Journal of Neuroscience</i> , 2007, 25, 629-634.	2.6	126
9	Anandamide suppresses nitric oxide and TNF- $\alpha$ responses to Theiler's virus or endotoxin in astrocytes. <i>NeuroReport</i> , 1997, 8, 1929-1933.	1.2	105
10	The endogenous cannabinoid anandamide potentiates interleukin-6 production by astrocytes infected with Theiler's murine encephalomyelitis virus by a receptor-mediated pathway. <i>FEBS Letters</i> , 1998, 433, 139-142.	2.8	100
11	Cannabinoid receptor agonists modulate oligodendrocyte differentiation by activating PI3K/Akt and the mammalian target of rapamycin (mTOR) pathways. <i>British Journal of Pharmacology</i> , 2011, 163, 1520-1532.	5.4	95
12	Leptin induces interleukin-1 $\beta$ release from rat microglial cells through a caspase 1 independent mechanism. <i>Journal of Neurochemistry</i> , 2007, 102, 826-833.	3.9	88
13	Mending the broken brain: neuroimmune interactions in neurogenesis. <i>Journal of Neurochemistry</i> , 2010, 114, 1277-1290.	3.9	81
14	Cannabinoids modulate Olig2 and polysialylated neural cell adhesion molecule expression in the subventricular zone of postnatal rats through cannabinoid receptor 1 and cannabinoid receptor 2. <i>European Journal of Neuroscience</i> , 2007, 26, 1548-1559.	2.6	78
15	Pentraxin 3 mediates neurogenesis and angiogenesis after cerebral ischaemia. <i>Journal of Neuroinflammation</i> , 2015, 12, 15.	7.2	77
16	The constitutive production of the endocannabinoid 2-arachidonoylglycerol participates in oligodendrocyte differentiation. <i>Glia</i> , 2010, 58, 1913-1927.	4.9	76
17	The effect of perinatal exposure to estrogens on the sexually dimorphic response to novelty. <i>Physiology and Behavior</i> , 1994, 55, 371-373.	2.1	73
18	Neuroprotective actions of deferiprone in cultured cortical neurones and SHSY5Y cells. <i>Journal of Neurochemistry</i> , 2008, 105, 2466-2476.	3.9	72

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19	Neuroprotective effects of the synthetic cannabinoid HU-210 in primary cortical neurons are mediated by phosphatidylinositol 3-kinase/AKT signaling. <i>Molecular and Cellular Neurosciences</i> , 2005, 28, 189-194.	2.2	67
20	CB <sub>2</sub> cannabinoid receptors as an emerging target for demyelinating diseases: from neuroimmune interactions to cell replacement strategies. <i>British Journal of Pharmacology</i> , 2008, 153, 216-225.	5.4	66
21	Effect of maternal $\delta^9$ -tetrahydrocannabinol on developing serotonergic system. <i>European Journal of Pharmacology</i> , 1996, 316, 39-42.	3.5	63
22	Iron chelation as a potential therapy for neurodegenerative disease. <i>Biochemical Society Transactions</i> , 2008, 36, 1304-1308.	3.4	63
23	Evidence for cyclooxygenase activation by nitric oxide in astrocytes. <i>Glia</i> , 1995, 15, 167-172.	4.9	56
24	Actions of exogenous and endogenous IL-10 on glial responses to bacterial LPS/cytokines. <i>Glia</i> , 2001, 33, 97-106.	4.9	49
25	Distribution of indoleamines and [ <sup>3</sup> H]paroxetine binding in rat brain regions following acute or perinatal $\delta^9$ -tetrahydrocannabinol treatments. <i>Neurochemical Research</i> , 1993, 18, 1183-1191.	3.3	47
26	The endocannabinoid system modulates a transient TNF pathway that induces neural stem cell proliferation. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 374-380.	2.2	46
27	Synthesis, physical-chemical characterisation and biological evaluation of novel 2-amido-3-hydroxypyridin-4(1H)-ones: Iron chelators with the potential for treating Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1285-1297.	3.0	45
28	Effect of $\delta^9$ -tetrahydrocannabinol on short-term memory in the rat. <i>Physiology and Behavior</i> , 1995, 57, 177-179.	2.1	41
29	Endotoxin administration induced differential neurochemical activation of the rat brain stem nuclei. <i>Brain Research Bulletin</i> , 1996, 40, 151-156.	3.0	40
30	Spicing Up Pharmacology: A Review of Synthetic Cannabinoids From Structure to Adverse Events. <i>Advances in Pharmacology</i> , 2017, 80, 135-168.	2.0	40
31	A Basal Tone of 2-Arachidonoylglycerol Contributes to Early Oligodendrocyte Progenitor Proliferation by Activating Phosphatidylinositol 3-Kinase (PI3K)/AKT and the Mammalian Target of Rapamycin (mTOR) Pathways. <i>Journal of Neuroimmune Pharmacology</i> , 2015, 10, 309-317.	4.1	36
32	The Role of Cannabinoid System on Immune Modulation: Therapeutic Implications on CNS Inflammation. <i>Mini-Reviews in Medicinal Chemistry</i> , 2005, 5, 671-675.	2.4	33
33	Maternal Exposure to $\delta^9$ -Tetrahydrocannabinol ( $\delta^9$ -THC) Alters Indoleamine Levels and Turnover in Adult Male and Female Rat Brain Regions. <i>Brain Research Bulletin</i> , 1997, 43, 173-178.	3.0	32
34	Endotoxin preconditioning protects neurones from in vitro ischemia: Role of endogenous IL-1 $\beta$ and TNF- $\alpha$ . <i>Journal of Neuroimmunology</i> , 2006, 173, 108-116.	2.3	32
35	Effect of endocannabinoid signalling on cell fate: life, death, differentiation and proliferation of brain cells. <i>British Journal of Pharmacology</i> , 2019, 176, 1361-1369.	5.4	32
36	Inflammatory Mediators in the Frontal Lobe of Patients with Mixed and Vascular Dementia. <i>Dementia and Geriatric Cognitive Disorders</i> , 2008, 25, 278-286.	1.5	30

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37	Neuroimmune interactions of cannabinoids in neurogenesis: focus on interleukin-1 $\hat{2}$ (IL-1 $\hat{2}$ ) signalling. <i>Biochemical Society Transactions</i> , 2013, 41, 1577-1582.	3.4	23
38	Involvement of interleukin-1 in glial responses to lipopolysaccharide: endogenous versus exogenous interleukin-1 actions. <i>Journal of Neuroimmunology</i> , 2000, 111, 1-9.	2.3	20
39	Effects of Cannabinoids on the Immune System and Central Nervous System. <i>BioDrugs</i> , 1999, 12, 317-326.	4.6	17
40	Tandem Repeat Peptide Strategy for the Design of Neurotrophic Factor Mimetics. <i>CNS and Neurological Disorders - Drug Targets</i> , 2008, 7, 110-119.	1.4	14
41	Spinal cord injury induces a long-lasting upregulation of interleukin-1 $\hat{2}$ in astrocytes around the central canal. <i>Neuroscience</i> , 2015, 284, 283-289.	2.3	13
42	Endocannabinoid signaling in oligodendroglia. <i>Glia</i> , 2023, 71, 91-102.	4.9	7
43	Transcription Profile and Pathway Analysis of the Endocannabinoid Receptor Inverse Agonist AM630 in the Core and Infiltrative Boundary of Human Glioblastoma Cells. <i>Molecules</i> , 2022, 27, 2049.	3.8	3
44	Drugs of abuse â€œ its not all bad news. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 64, 155-156.	4.8	1
45	Cannabinoids and their actions: An update. <i>British Journal of Pharmacology</i> , 2019, 176, 1359-1360.	5.4	1
46	Cytokines in Astroglial Cells: Functions and Mechanisms of Action. , 1998, , 195-212.		0