

Barbara Costa

List of Publications by Year in descending order

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54
papers

3,525
citations

172457

29
h-index

168389

53
g-index

54
all docs

54
docs citations

54
times ranked

4776
citing authors

#	ARTICLE	IF	CITATIONS
1	The non-psychoactive cannabis constituent cannabidiol is an orally effective therapeutic agent in rat chronic inflammatory and neuropathic pain. <i>European Journal of Pharmacology</i> , 2007, 556, 75-83.	3.5	285
2	CD14 regulates the dendritic cell life cycle after LPS exposure through NFAT activation. <i>Nature</i> , 2009, 460, 264-268.	27.8	279
3	The endogenous fatty acid amide, palmitoylethanolamide, has anti-allodynic and anti-hyperalgesic effects in a murine model of neuropathic pain: involvement of CB1, TRPV1 and PPAR α receptors and neurotrophic factors. <i>Pain</i> , 2008, 139, 541-550.	4.2	254
4	Vanilloid TRPV1 receptor mediates the antihyperalgesic effect of the nonpsychoactive cannabinoid, cannabidiol, in a rat model of acute inflammation. <i>British Journal of Pharmacology</i> , 2004, 143, 247-250.	5.4	214
5	Oral anti-inflammatory activity of cannabidiol, a non-psychoactive constituent of cannabis, in acute carrageenan-induced inflammation in the rat paw. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004, 369, 294-299.	3.0	193
6	Glial TLR4 receptor as new target to treat neuropathic pain: Efficacy of a new receptor antagonist in a model of peripheral nerve injury in mice. <i>Glia</i> , 2008, 56, 1312-1319.	4.9	173
7	Antiinflammatory action of endocannabinoid palmitoylethanolamide and the synthetic cannabinoid nabilone in a model of acute inflammation in the rat. <i>British Journal of Pharmacology</i> , 2002, 135, 181-187.	5.4	165
8	Inhibitors of fatty acid amide hydrolase reduce carrageenan-induced hind paw inflammation in pentobarbital-treated mice: comparison with indomethacin and possible involvement of cannabinoid receptors. <i>British Journal of Pharmacology</i> , 2005, 146, 467-476.	5.4	148
9	The purinergic antagonist PPADS reduces pain related behaviours and interleukin-1 β , interleukin-6, iNOS and nNOS overproduction in central and peripheral nervous system after peripheral neuropathy in mice. <i>Pain</i> , 2008, 137, 81-95.	4.2	137
10	Therapeutic effect of the endogenous fatty acid amide, palmitoylethanolamide, in rat acute inflammation: inhibition of nitric oxide and cyclooxygenase systems. <i>British Journal of Pharmacology</i> , 2002, 137, 413-420.	5.4	126
11	The plant cannabinoid Δ^9 -tetrahydrocannabivarin can decrease signs of inflammation and inflammatory pain in mice. <i>British Journal of Pharmacology</i> , 2010, 160, 677-687.	5.4	112
12	Effect of the cannabinoid CB1 receptor antagonist, SR141716, on nociceptive response and nerve demyelination in rodents with chronic constriction injury of the sciatic nerve. <i>Pain</i> , 2005, 116, 52-61.	4.2	98
13	AM404, an inhibitor of anandamide uptake, prevents pain behaviour and modulates cytokine and apoptotic pathways in a rat model of neuropathic pain. <i>British Journal of Pharmacology</i> , 2006, 148, 1022-1032.	5.4	89
14	Palmitoylethanolamide, a naturally occurring disease-modifying agent in neuropathic pain. <i>Inflammopharmacology</i> , 2014, 22, 79-94.	3.9	85
15	Endocannabinoids: A unique opportunity to develop multitarget analgesics. <i>Pain</i> , 2013, 154, S87-S93.	4.2	83
16	Antihyperalgesic effect of a <i>Cannabis sativa</i> extract in a rat model of neuropathic pain: mechanisms involved. <i>Phytotherapy Research</i> , 2008, 22, 1017-1024.	5.8	80
17	Nitroxide TEMPOL impairs mitochondrial function and induces apoptosis in HL60 cells. <i>Journal of Cellular Biochemistry</i> , 2001, 82, 271-276.	2.6	70
18	Glycolipids and Benzylammonium Lipids as Novel Antisepsis Agents: Synthesis and Biological Characterization. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1209-1213.	6.4	63

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19	On the Pharmacological Properties of δ^9 -Tetrahydrocannabinol (THC). <i>Chemistry and Biodiversity</i> , 2007, 4, 1664-1677.	2.1	61
20	The dual fatty acid amide hydrolase/TRPV1 blocker, N-arachidonoyl-serotonin, relieves carrageenan-induced inflammation and hyperalgesia in mice. <i>Pharmacological Research</i> , 2010, 61, 537-546.	7.1	57
21	Non-Neuronal Cell Modulation Relieves Neuropathic Pain: Efficacy of the Endogenous Lipid Palmitoylethanolamide. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013, 12, 34-44.	1.4	53
22	Beneficial effects of a <i>Cannabis sativa</i> extract treatment on diabetes-induced neuropathy and oxidative stress. <i>Phytotherapy Research</i> , 2009, 23, 1678-1684.	5.8	49
23	Thiol-mediated Neoglycosylation of Collagen Patches: A Preliminary Study. <i>Langmuir</i> , 2014, 30, 1336-1342.	3.5	44
24	Changes in rat brain energetic metabolism after exposure to anandamide or δ^9 -tetrahydrocannabinol. <i>European Journal of Pharmacology</i> , 2000, 395, 1-7.	3.5	38
25	CD14 and NFAT mediate lipopolysaccharide-induced skin edema formation in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 1747-1757.	8.2	36
26	Hemin and a metabolic derivative coprohemin modulate the TLR4 pathway differently through different molecular targets. <i>Innate Immunity</i> , 2011, 17, 293-301.	2.4	35
27	Damaging effects of gliadin on three-dimensional cell culture model. <i>World Journal of Gastroenterology</i> , 2005, 11, 5973.	3.3	33
28	Rimonabant, a cannabinoid CB1 receptor antagonist, attenuates mechanical allodynia and counteracts oxidative stress and nerve growth factor deficit in diabetic mice. <i>European Journal of Pharmacology</i> , 2010, 637, 62-69.	3.5	32
29	Plant Polyphenols and Exendin-4 Prevent Hyperactivity and TNF- α Release in LPS-Treated In vitro Neuron/Astrocyte/Microglial Networks. <i>Frontiers in Neuroscience</i> , 2017, 11, 500.	2.8	30
30	Sugar-Based Enantiomeric and Conformationally Constrained Pyrrolo[2,1- <i>c</i>][1,4]-Benzodiazepines as Potential GABA _A Ligands. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1266-1275.	6.4	29
31	Piperazinyl carbamate fatty acid amide hydrolase inhibitors and transient receptor potential channel modulators as dual-target analgesics. <i>Pharmacological Research</i> , 2013, 76, 98-105.	7.1	29
32	Chronic cannabinoid, CP-55,940, administration alters biotransformation in the rat. <i>European Journal of Pharmacology</i> , 1996, 313, 17-24.	3.5	28
33	Inhibition of Lipid-mediated Stimulated Activation of Human Dendritic Cells and Macrophages by Amino and Hydroxylamino Monosaccharides. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3308-3312.	13.8	28
34	Mesenchymal stem cells enhance GABAergic transmission in co-cultured hippocampal neurons. <i>Molecular and Cellular Neurosciences</i> , 2012, 49, 395-405.	2.2	26
35	Palmitoylethanolamide Modulation of Microglia Activation: Characterization of Mechanisms of Action and Implication for Its Neuroprotective Effects. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3054.	4.1	26
36	Biochemical Characterization of the Effects of the Benzodiazepine, Midazolam, on Mitochondrial Electron Transfer. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1996, 78, 69-76.	0.0	25

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37	Fructose-fused β -butyrolactones and lactams, synthesis and biological evaluation as GABA receptor ligands. <i>Carbohydrate Research</i> , 2008, 343, 1840-1848.	2.3	21
38	Cross-tolerance and convergent dependence between morphine and cannabimimetic agent WIN 55,212-2 in the guinea-pig ileum myenteric plexus. <i>European Journal of Pharmacology</i> , 1999, 376, 265-271.	3.5	20
39	Synthesis and Biological Evaluation of Novel Rigid 1,4-Benzodiazepine-2,5-dione Chimeric Scaffolds. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 635-639.	2.4	18
40	Palvanil, a non-pungent capsaicin analogue, inhibits inflammatory and neuropathic pain with little effects on bronchopulmonary function and body temperature. <i>Pharmacological Research</i> , 2012, 66, 243-250.	7.1	18
41	Atypical "seizure-like" activity in cortical reverberating networks in vitro can be caused by LPS-induced inflammation: a multi-electrode array study from a hundred neurons. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 361.	3.7	18
42	Palmitoylethanolamide Relieves Pain and Preserves Pancreatic Islet Cells in a Murine Model of Diabetes. <i>CNS and Neurological Disorders - Drug Targets</i> , 2015, 14, 452-462.	1.4	17
43	The effects of accumulation of an environmentally relevant polychlorinated biphenyl mixture on cytochrome P450 and P-glycoprotein expressions in fetuses and pregnant rats. <i>Chemosphere</i> , 2009, 75, 572-579.	8.2	15
44	Iminosugar Analogues of Phosphatidyl Inositol as Potential Inhibitors of Protein Kinase B (Akt). <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5012-5019.	2.4	15
45	Anionic glycolipids related to glucuronosyldiacylglycerol inhibit protein kinase Akt. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1091-1099.	2.8	15
46	RalGPS2 Interacts with Akt and PDK1 Promoting Tunneling Nanotubes Formation in Bladder Cancer and Kidney Cells Microenvironment. <i>Cancers</i> , 2021, 13, 6330.	3.7	14
47	Responsiveness of hepatic and cerebral cytochrome P450 in rat offspring prenatally and lactationally exposed to a reconstituted PCB mixture. <i>Environmental Toxicology</i> , 2014, 29, 856-866.	4.0	10
48	Synthetic sulfoglycolipids targeting the serine-threonine protein kinase Akt. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3396-3405.	3.0	9
49	Phosphatidylinositol 3-Phosphate Mimics Based on a Sulfoquinovose Scaffold: Synthesis and Evaluation as Protein Kinase B Inhibitors. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5962-5967.	2.4	7
50	Chronic treatment with the endocannabinoid anandamide increases cytochrome P450 metabolizing system in the rat. <i>European Journal of Pharmacology</i> , 2002, 449, 61-69.	3.5	6
51	Cannabidiol Antiproliferative Effect in Triple-Negative Breast Cancer MDA-MB-231 Cells Is Modulated by Its Physical State and by IGF-1. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7145.	4.1	5
52	Squarate Cross-Linked Gelatin Hydrogels as Three-Dimensional Scaffolds for Biomedical Applications. <i>Langmuir</i> , 2021, 37, 14050-14058.	3.5	3
53	Synthesis, Molecular Modeling and Biological Evaluation of Metabolically Stable Analogues of the Endogenous Fatty Acid Amide Palmitoylethanolamide. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9074.	4.1	1
54	Reply to: "Palmitoylethanolamide: problems regarding micronization, ultra-micronization and additives". <i>Inflammopharmacology</i> DOI:10.1007/s10787-014-0202-3. <i>Inflammopharmacology</i> , 2015, 23, 127-130.	3.9	0