Alexandros Makriyannis

List of Publications by Year
in descending order

477	25,127	6613	11607
papers	citations	79 h-index	135 g-index

485	485	485	14904
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification and Functional Characterization of Brainstem Cannabinoid CB ₂ Receptors. Science, 2005, 310, 329-332.	12.6	1,357
2	Functional Role of High-Affinity Anandamide Transport, as Revealed by Selective Inhibition. Science, 1997, 277, 1094-1097.	12.6	755
3	CB ₂ cannabinoid receptor activation produces antinociception by stimulating peripheral release of endogenous opioids. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3093-3098.	7.1	481
4	Crystal Structure of the Human Cannabinoid Receptor CB1. Cell, 2016, 167, 750-762.e14.	28.9	468
5	Activation of CB ₂ cannabinoid receptors by AM1241 inhibits experimental neuropathic pain: Pain inhibition by receptors not present in the CNS. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10529-10533.	7.1	457
6	A new antibiotic selectively kills Gram-negative pathogens. Nature, 2019, 576, 459-464.	27.8	456
7	Structureâ^'Activity Relationships of Pyrazole Derivatives as Cannabinoid Receptor Antagonists. Journal of Medicinal Chemistry, 1999, 42, 769-776.	6.4	428
8	Peripheral CB1 cannabinoid receptor blockade improves cardiometabolic risk in mouse models of obesity. Journal of Clinical Investigation, 2010, 120, 2953-2966.	8.2	393
9	Crystal structures of agonist-bound human cannabinoid receptor CB1. Nature, 2017, 547, 468-471.	27.8	379
10	Endocannabinoids control spasticity in a multiple sclerosis model. FASEB Journal, 2001, 15, 300-302.	0.5	371
11	Endocannabinoids acting at vascular CB1 receptors mediate the vasodilated state in advanced liver cirrhosis. Nature Medicine, 2001, 7, 827-832.	30.7	363
12	Agonist-inverse agonist characterization at CB1 and CB2 cannabinoid receptors of L759633, L759656 and AM630. British Journal of Pharmacology, 1999, 126, 665-672.	5.4	353
13	CB2 cannabinoid receptor-mediated peripheral antinociception. Pain, 2001, 93, 239-245.	4.2	346
14	(R)-Methanandamide: A Chiral Novel Anandamide Possessing Higher Potency and Metabolic Stability. Journal of Medicinal Chemistry, 1994, 37, 1889-1893.	6.4	324
15	Functional CB1 cannabinoid receptors in human vascular endothelial cells. Biochemical Journal, 2000, 346, 835-840.	3.7	284
16	Crystal Structure of the Human Cannabinoid Receptor CB2. Cell, 2019, 176, 459-467.e13.	28.9	268
17	Convergent translational evidence of a role for anandamide in amygdala-mediated fear extinction, threat processing and stress-reactivity. Molecular Psychiatry, 2013, 18, 813-823.	7.9	267
18	Structural determinants for recognition and translocation by the anandamide transporter. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 5802-5807.	7.1	263

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19	123I-labeled AM251: a radioiodinated ligand which binds in vivo to mouse brain cannabinoid CB1 receptors. European Journal of Pharmacology, 1996, 307, 331-338.	3.5	222
20	Activation and Signaling Mechanism Revealed by Cannabinoid Receptor-Gi Complex Structures. Cell, 2020, 180, 655-665.e18.	28.9	212
21	Anandamide transport is independent of fatty-acid amide hydrolase activity and is blocked by the hydrolysis-resistant inhibitor AM1172. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8756-8761.	7.1	210
22	CB cannabinoid receptor agonists: pain relief without psychoactive effects?. Current Opinion in Pharmacology, 2003, 3, 62-67.	3.5	193
23	Chronic Cannabinoid Receptor 2 Activation Reverses Paclitaxel Neuropathy Without Tolerance or Cannabinoid Receptor 1â€“Dependent Withdrawal. Biological Psychiatry, 2015, 77, 475-487.	1.3	179
24	Head Group Analogs of Arachidonylethanolamide, the Endogenous Cannabinoid Ligand. Journal of Medicinal Chemistry, 1996, 39, 4515-4519.	6.4	166
25	Structure and Orientation of the Pore-forming Peptide Melittin, in Lipid Bilayers. Journal of Molecular Biology, 1994, 241, 456-466.	4.2	165
26	Cannabinoid receptor antagonists: pharmacological opportunities, clinical experience, and translational prognosis. Expert Opinion on Emerging Drugs, 2009, 14, 43-65.	2.4	161
27	Selective activation of cannabinoid CB2 receptors suppresses spinal fos protein expression and pain behavior in a rat model of inflammation. Neuroscience, 2003, 119, 747-757.	2.3	158
28	Activation of the cannabinoid 2 receptor (CB2) protects against experimental colitis. Inflammatory Bowel Diseases, 2009, 15, 1678-1685.	1.9	156
29	The cannabinoid CB1 antagonists SR 141716A and AM 251 suppress food intake and food-reinforced behavior in a variety of tasks in rats. Behavioural Pharmacology, 2003, 14, 583-588.	1.7	155
30	A novel peripherally restricted cannabinoid receptor antagonist, AM6545, reduces food intake and body weight, but does not cause malaise, in rodents. British Journal of Pharmacology, 2010, 161, 629-642.	5.4	154
31	CB2 cannabinoid receptor mediation of antinociception. Pain, 2006, 122, 36-42.	4.2	153
32	Synthon-based ligand discovery in virtual libraries of over 11 billion compounds. Nature, 2022, 601, 452-459.	27.8	153
33	Compounds acting at the endocannabinoid and/or endovanilloid systems reduce hyperkinesia in a rat model of Huntington's disease. Journal of Neurochemistry, 2003, 84, 1097-1109.	3.9	133
34	Novel Analogues of Arachidonylethanolamide (Anandamide):â€‰ Affinities for the CB1 and CB2 Cannabinoid Receptors and Metabolic Stability. Journal of Medicinal Chemistry, 1998, 41, 5353-5361.	6.4	132
35	AM1241, a cannabinoid CB2 receptor selective compound, delays disease progression in a mouse model of amyotrophic lateral sclerosis. European Journal of Pharmacology, 2006, 542, 100-105.	3.5	132
36	The endogenous cannabinoid anandamide has effects on motivation and anxiety that are revealed by fatty acid amide hydrolase (FAAH) inhibition. Neuropharmacology, 2008, 54, 129-140.	4.1	132

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37	Cannabinergic ligands. Chemistry and Physics of Lipids, 2002, 121, 3-19.	3.2	131
38	AM630, a competitive cannabinoid receptor antagonist. Life Sciences, 1995, 56, 1949-1955.	4.3	130
39	Fatty Acid Sulfonyl Fluorides Inhibit Anandamide Metabolism and Bind to the Cannabinoid Receptor. Biochemical and Biophysical Research Communications, 1997, 231, 217-221.	2.1	130
40	Adipocyte cannabinoid receptor CB1 regulates energy homeostasis and alternatively activated macrophages. Journal of Clinical Investigation, 2017, 127, 4148-4162.	8.2	128
41	Cannabinoid CB1 receptor inverse agonists and neutral antagonists: Effects on food intake, food-reinforced behavior and food aversions. Physiology and Behavior, 2007, 91, 383-388.	2.1	127
42	Activation of cannabinoid CB1 and CB2 receptors suppresses neuropathic nociception evoked by the chemotherapeutic agent vincristine in rats. British Journal of Pharmacology, 2007, 152, 765-777.	5.4	127
43	Efficacy and safety of a fatty acid amide hydrolase inhibitor (PF-04457845) in the treatment of cannabis withdrawal and dependence in men: a double-blind, placebo-controlled, parallel group, phase 2a single-site randomised controlled trial. Lancet Psychiatry,the, 2019, 6, 35-45.	7.4	125
44	Should peripheral CB1 cannabinoid receptors be selectively targeted for therapeutic gain?. Trends in Pharmacological Sciences, 2009, 30, 1-7.	8.7	122
45	Selective Activation of Cannabinoid CB2 Receptors Suppresses Hyperalgesia Evoked by Intradermal Capsaicin. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 446-453.	2.5	120
46	Dietary docosahexaenoic acid supplementation alters select physiological endocannabinoid-system metabolites in brain and plasma. Journal of Lipid Research, 2010, 51, 1416-1423.	4.2	118
47	Medicinal chemistry of cannabinoids. Clinical Pharmacology and Therapeutics, 2015, 97, 553-558.	4.7	112
48	Anandamide hydroxylation by brain lipoxygenase:metabolite structures and potencies at the cannabinoid receptor. Lipids and Lipid Metabolism, 1995, 1259, 173-179.	2.6	111
49	Substrate Specificity and Stereoselectivity of Rat Brain Microsomal Anandamide Amidohydrolase. Journal of Medicinal Chemistry, 1999, 42, 896-902.	6.4	110
50	Dual Modulation of Endocannabinoid Transport and Fatty Acid Amide Hydrolase Protects against Excitotoxicity. Journal of Neuroscience, 2005, 25, 7813-7820.	3.6	109
51	Effects of Cannabinoids on Preimplantation Mouse Embryo Development and Implantation are Mediated by Brain-Type Cannabinoid Receptors1. Biology of Reproduction, 1998, 58, 1490-1495.	2.7	105
52	Imaging the Brain Marijuana Receptor: Development of a Radioligand that Binds to Cannabinoid CB1 Receptors In Vivo. Journal of Neurochemistry, 1998, 70, 417-423.	3.9	105
53	The Cannabinoid Agonist WIN55,212-2 Suppresses Opioid-induced Emesis in Ferrets. Anesthesiology, 2001, 94, 882-887.	2.5	104
54	The Endogenous Cannabinoid Anandamide Produces Î´-9-Tetrahydrocannabinol-Like Discriminative and Neurochemical Effects That Are Enhanced by Inhibition of Fatty Acid Amide Hydrolase but Not by Inhibition of Anandamide Transport. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 370-380.	2.5	103

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55	Selective Activation of Cannabinoid CB₂ Receptors Suppresses Neuropathic Nociception Induced by Treatment with the Chemotherapeutic Agent Paclitaxel in Rats. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 584-591.	2.5	103
56	Activation of Cannabinoid CB2Receptors Suppresses C-Fiber Responses and Windup in Spinal Wide Dynamic Range Neurons in the Absence and Presence of Inflammation. Journal of Neurophysiology, 2004, 92, 3562-3574.	1.8	102
57	Inhibition of pain responses by activation of CB2 cannabinoid receptors. Chemistry and Physics of Lipids, 2002, 121, 191-200.	3.2	96
58	Functional CB1 cannabinoid receptors in human vascular endothelial cells. Biochemical Journal, 2000, 346 Pt 3, 835-40.	3.7	96
59	Cannabinoid CB1 antagonists and dopamine antagonists produce different effects on a task involving response allocation and effort-related choice in food-seeking behavior. Psychopharmacology, 2008, 196, 565-574.	3.1	93
60	N â€Acylethanolamineâ€hydrolyzing acid amidase inhibition increases colon N â€palmitoylethanolamine levels and counteracts murine colitis. FASEB Journal, 2015, 29, 650-661.	0.5	93
61	Cannabinoid Agonists but not Inhibitors of Endogenous Cannabinoid Transport or Metabolism Enhance the Reinforcing Efficacy of Heroin in Rats. Neuropsychopharmacology, 2005, 30, 2046-2057.	5.4	92
62	Cannabis sativa and Hemp. , 2016, , 735-754.		92
63	Activation of peripheral cannabinoid CB₁ and CB₂ receptors suppresses the maintenance of inflammatory nociception: a comparative analysis. British Journal of Pharmacology, 2007, 150, 153-163.	5.4	91
64	Model Investigations for Vanadiumâ^'Protein Interactions. Synthetic, Structural, and Physical Studies of Vanadium(III) and Oxovanadium(IV/V) Complexes with Amidate Ligands. Inorganic Chemistry, 1996, 35, 357-367.	4.0	88
65	The Endocannabinoid System as a Target for Alkamides fromEchinacea angustifoliaRoots. Planta Medica, 2005, 71, 701-705.	1.3	88
66	A neutral CB₁ receptor antagonist reduces weight gain in rat. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R2185-R2193.	1.8	88
67	Ligand-Binding Architecture of Human CB2 Cannabinoid Receptor: Evidence for Receptor Subtype-Specific Binding Motif and Modeling GPCR Activation. Chemistry and Biology, 2008, 15, 1207-1219.	6.0	88
68	Cannabinoids Inhibit HIV-1 Gp120-Mediated Insults in Brain Microvascular Endothelial Cells. Journal of Immunology, 2008, 181, 6406-6416.	0.8	88
69	Identification of a potent and highly efficacious, yet slowly desensitizing CB1 cannabinoid receptor agonist. British Journal of Pharmacology, 2004, 142, 495-500.	5.4	87
70	Characterization of the L.lambda. phase in trehalose-stabilized dry membranes by solid-state NMR and x-ray diffraction. Biochemistry, 1989, 28, 5000-5009.	2.5	86
71	The molecular basis of cannabinoid activity. Life Sciences, 1990, 47, 2173-2184.	4.3	86
72	Molecular probes for the cannabinoid receptors. Chemistry and Physics of Lipids, 2000, 108, 37-52.	3.2	86

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73	(-)-7â€²-Isothiocyanato-11-hydroxy-1â€²,1â€²-dimethylheptylhexahydrocannabinol (AM841), a High-Affinity Electrophilic Ligand, Interacts Covalently with a Cysteine in Helix Six and Activates the CB1 Cannabinoid Receptor. Molecular Pharmacology, 2005, 68, 1623-1635.	2.3	86
74	Cannabilactones: A Novel Class of CB2 Selective Agonists with Peripheral Analgesic Activity. Journal of Medicinal Chemistry, 2007, 50, 6493-6500.	6.4	86
75	Inhibitor of Fatty Acid Amide Hydrolase Normalizes Cardiovascular Function in Hypertension without Adverse Metabolic Effects. Chemistry and Biology, 2010, 17, 1256-1266.	6.0	85
76	Time course of the effects of different cannabimimetics on prolactin and gonadotrophin secretion: Evidence for the presence of CB1 receptors in hypothalamic structures and their involvement in the effects of cannabimimetics. Biochemical Pharmacology, 1997, 53, 1919-1927.	4.4	84
77	Pharmacotherapeutic targeting of the endocannabinoid signaling system: Drugs for obesity and the metabolic syndrome. Physiology and Behavior, 2008, 93, 671-686.	2.1	84
78	Endocannabinoid Enhancement Protects against Kainic Acid-Induced Seizures and Associated Brain Damage. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 1059-1066.	2.5	83
79	Large receptor reserve for cannabinoid actions in the central nervous system. Journal of Pharmacology and Experimental Therapeutics, 1999, 288, 478-83.	2.5	83
80	Enhancement of endocannabinoid signaling by fatty acid amide hydrolase inhibition: A neuroprotective therapeutic modality. Life Sciences, 2010, 86, 615-623.	4.3	80
81	(R)-Methanandamide and Î” 9 -THC as discriminative stimuli in rats: tests with the cannabinoid antagonist SR-141716 and the endogenous ligand anandamide. Psychopharmacology, 2001, 156, 369-380.	3.1	79
82	Mutation Studies of Ser7.39 and Ser2.60 in the Human CB1Cannabinoid Receptor: Evidence for a Serine-Induced Bend in CB1Transmembrane Helix 7. Molecular Pharmacology, 2007, 71, 1512-1524.	2.3	79
83	Quantitative Method for the Profiling of the Endocannabinoid Metabolome by LC-Atmospheric Pressure Chemical Ionization-MS. Analytical Chemistry, 2007, 79, 5582-5593.	6.5	79
84	Latest advances in cannabinoid receptor agonists. Expert Opinion on Therapeutic Patents, 2009, 19, 1647-1673.	5.0	79
85	The cannabinoid CB1 antagonist AM 251 produces food avoidance and behaviors associated with nausea but does not impair feeding efficiency in rats. Psychopharmacology, 2005, 180, 286-293.	3.1	78
86	Î”9-Tetrahydrocannabinol acts as a partial agonist/antagonist in mice. Behavioural Pharmacology, 2012, 23, 802-805.	1.7	75
87	Gî±_s signalling of the CB₁ receptor and the influence of receptor number. British Journal of Pharmacology, 2017, 174, 2545-2562.	5.4	75
88	Covalent Inhibitors of Human Monoacylglycerol Lipase: Ligand-Assisted Characterization of the Catalytic Site by Mass Spectrometry and Mutational Analysis. Chemistry and Biology, 2008, 15, 854-862.	6.0	74
89	CB1 Cannabinoid Receptor Ligands. Mini-Reviews in Medicinal Chemistry, 2005, 5, 631-640.	2.4	72
90	Natural cannabinoids: Templates for drug discovery. Life Sciences, 2005, 78, 454-466.	4.3	72

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91	The cannabinoid <scp>CB</scp>₂ receptor agonist <scp>AM</scp>1241 enhances neurogenesis in <scp>GFAP</scp>/<scp>G</scp>p120 transgenic mice displaying deficits in neurogenesis. British Journal of Pharmacology, 2014, 171, 468-479.	5.4	72
92	Design and synthesis of the CB1 selective cannabinoid antagonist AM281: A potential human SPECT ligand. AAPS PharmSci, 1999, 1, 39-45.	1.3	71
93	Unsaturated Side Chain Î²-11-Hydroxyhexahydrocannabinol Analogs. Journal of Medicinal Chemistry, 1996, 39, 3790-3796.	6.4	70
94	Potential anxiogenic effects of cannabinoid CB1 receptor antagonists/inverse agonists in rats: Comparisons between AM4113, AM251, and the benzodiazepine inverse agonist FG-7142. European Neuropsychopharmacology, 2010, 20, 112-122.	0.7	69
95	Effect of phenylmethylsulphonyl fluoride on the potency of anandamide as an inhibitor of electrically evoked contractions in two isolated tissue preparations. European Journal of Pharmacology, 1995, 272, 73-78.	3.5	68
96	Pharmacophoric Requirements for Cannabinoid Side Chains:Â Multiple Bond and C1â€˜-Substituted Î”8-Tetrahydrocannabinols. Journal of Medicinal Chemistry, 1998, 41, 1195-1200.	6.4	68
97	Expression and Function of Cannabinoid Receptors CB1 and CB2 and Their Cognate Cannabinoid Ligands in Murine Embryonic Stem Cells. PLoS ONE, 2007, 2, e641.	2.5	68
98	The novel cannabinoid CB1 antagonist AM6545 suppresses food intake and food-reinforced behavior. Pharmacology Biochemistry and Behavior, 2010, 97, 179-184.	2.9	68
99	The Conformation, Location, and Dynamic Properties of the Endocannabinoid Ligand Anandamide in a Membrane Bilayer. Journal of Biological Chemistry, 2005, 280, 29788-29795.	3.4	67
100	Adamantyl Cannabinoids:Â A Novel Class of Cannabinergic Ligands. Journal of Medicinal Chemistry, 2005, 48, 4576-4585.	6.4	67
101	Effect of the cannabinoid receptor SPECT agent, AM 281, on hippocampal acetylcholine release from rat brain slices. Neuroscience Letters, 1997, 238, 84-86.	2.1	66
102	Methoxy group conformations of phenyl methyl ethers in solution. Journal of the American Chemical Society, 1982, 104, 6462-6463.	13.7	65
103	Endocannabinoid Signaling Regulates Sleep Stability. PLoS ONE, 2016, 11, e0152473.	2.5	65
104	Functional selectivity at G-protein coupled receptors: Advancing cannabinoid receptors as drug targets. Biochemical Pharmacology, 2017, 128, 1-11.	4.4	63
105	Effects of a Selective Cannabinoid CB2 Agonist and Antagonist on Intravenous Nicotine Self Administration and Reinstatement of Nicotine Seeking. PLoS ONE, 2012, 7, e29900.	2.5	61
106	Comprehensive profiling of the human circulating endocannabinoid metabolome: clinical sampling and sample storage parameters. Clinical Chemistry and Laboratory Medicine, 2008, 46, 1289-95.	2.3	60
107	3D-QSAR Studies of Arylpyrazole Antagonists of Cannabinoid Receptor Subtypes CB1 and CB2. A Combined NMR and CoMFA Approach. Journal of Medicinal Chemistry, 2006, 49, 625-636.	6.4	59
108	Cannabinoids Alleviate Experimentally Induced Intestinal Inflammation by Acting at Central and Peripheral Receptors. PLoS ONE, 2014, 9, e109115.	2.5	59

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109	Diet-Induced Changes in n-3- and n-6-Derived Endocannabinoids and Reductions in Headache Pain and Psychological Distress. Journal of Pain, 2015, 16, 707-716.	1.4	58
110	Extrapyramidal effects of methanandamide, an analog of anandamide, the endogenous CB1, receptor ligand. Life Sciences, 1996, 58, 1249-1257.	4.3	57
111	Inverse agonism of cannabinoid CB₁ receptors potentiates LiClâ€induced nausea in the conditioned gaping model in rats. British Journal of Pharmacology, 2010, 161, 336-349.	5.4	56
112	Prevention of Fibrosis Progression in CCl₄-Treated Rats: Role of the Hepatic Endocannabinoid and Apelin Systems. Journal of Pharmacology and Experimental Therapeutics, 2012, 340, 629-637.	2.5	56
113	The anandamide transport inhibitor AM404 reduces the rewarding effects of nicotine and nicotineâ€induced dopamine elevations in the nucleus accumbens shell in rats. British Journal of Pharmacology, 2012, 165, 2539-2548.	5.4	56
114	Cannabinoid Receptors as Therapeutic Targets. Current Pharmaceutical Design, 2006, 12, 1751-1769.	1.9	55
115	Self-medication of a cannabinoid CB2 agonist in an animal model of neuropathic pain. Pain, 2011, 152, 1976-1987.	4.2	55
116	Pharmacological characterization of AM1710, a putative cannabinoid CB2 agonist from the cannabilactone class: Antinociception without central nervous system side-effects. Pharmacology Biochemistry and Behavior, 2011, 98, 493-502.	2.9	55
117	Classical/Nonclassical Hybrid Cannabinoids:Â Southern Aliphatic Chain-Functionalized C-6Î² Methyl, Ethyl, and Propyl Analogues. Journal of Medicinal Chemistry, 1998, 41, 3596-3608.	6.4	54
118	Autocrine and Paracrine Regulation of Lymphocyte CB2 Receptor Expression by TGF-Î². Biochemical and Biophysical Research Communications, 2002, 290, 91-96.	2.1	54
119	Blockade of Nicotine and Cannabinoid Reinforcement and Relapse by a Cannabinoid CB1-Receptor Neutral Antagonist AM4113 and Inverse Agonist Rimonabant in Squirrel Monkeys. Neuropsychopharmacology, 2016, 41, 2283-2293.	5.4	54
120	Role of the NH2-terminal domain of angiotensin II (ANG II) and [Sar1]angiotensin II on conformation and activity. NMR evidence for aromatic ring clustering and peptide backbone folding compared with [des-1,2,3]angiotensin II. Journal of Biological Chemistry, 1994, 269, 5303-12.	3.4	54
121	The Conformational Properties of the Highly Selective Cannabinoid Receptor Ligand CP-55,940. Journal of Biological Chemistry, 1996, 271, 10640-10647.	3.4	53
122	Effects of cannabinoids on prolactin and gonadotrophin secretion: involvement of changes in hypothalamic Î³-aminobutyric acid (GABA) inputs. Biochemical Pharmacology, 1998, 56, 1331-1338.	4.4	51
123	Î” 9 -THC training dose as a determinant for (R)-methanandamide generalization in rats. Psychopharmacology, 1998, 140, 519-522.	3.1	51
124	Extrapyramidal and neuroendocrine effects of AM404, an inhibitor of the carrier-mediated transport of anandamide. Life Sciences, 1999, 65, 327-336.	4.3	51
125	Structure-activity relationships of anandamide, an endogenous cannabinoid ligand. Life Sciences, 1999, 65, 607-616.	4.3	51
126	Novel 1â€²,1â€²-chain substituted Î”8-tetrahydrocannabinols. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 3583-3586.	2.2	51

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127	Inhibiting fatty acid amide hydrolase normalizes endotoxinâ€induced enhanced gastrointestinal motility in mice. British Journal of Pharmacology, 2012, 165, 1556-1571.	5.4	51
128	Pharmacophoric Requirements for the Cannabinoid Side Chain. Probing the Cannabinoid Receptor Subsite at C1â€˜. Journal of Medicinal Chemistry, 2003, 46, 3221-3229.	6.4	50
129	Natural and Synthetic Endocannabinoids and Their Structure-Activity Relationships. Current Pharmaceutical Design, 2000, 6, 1381-1397.	1.9	49
130	Novel and Efficient One-Step Parallel Synthesis of Dibenzopyranones via Suzukiâ€'Miyaura Cross Coupling. ACS Combinatorial Science, 2010, 12, 664-669.	3.3	49
131	Equipotent Inhibition of Fatty Acid Amide Hydrolase and Monoacylglycerol Lipase â€“ Dual Targets of the Endocannabinoid System to Protect against Seizure Pathology. Neurotherapeutics, 2012, 9, 801-813.	4.4	49
132	Novel Electrophilic and Photoaffinity Covalent Probes for Mapping the Cannabinoid 1 Receptor Allosteric Site(s). Journal of Medicinal Chemistry, 2016, 59, 44-60.	6.4	49
133	Stereochemical Selectivity of Methanandamides for the CB1 and CB2 Cannabinoid Receptors and Their Metabolic Stability. Bioorganic and Medicinal Chemistry, 2001, 9, 1673-1684.	3.0	48
134	Novel 1â€²,1â€²-Chain Substituted Hexahydrocannabinols: 9Î²-Hydroxy-3-(1-hexyl-cyclobut-1-yl)-hexahydrocannabinol (AM2389) a Highly Potent Cannabinoid Receptor 1 (CB1) Agonist. Journal of Medicinal Chemistry, 2010, 53, 6996-7010.	6.4	48
135	Role of the endogenous cannabinoid system in nicotine addiction: novel insights. Frontiers in Psychiatry, 2015, 6, 41.	2.6	48
136	Azodicarboxylic acid esters as dealkylating agents. Journal of Organic Chemistry, 1973, 38, 1652-1657.	3.2	47
137	PET studies in the primate brain and biodistribution in mice using (âˆ')-5â€²-18F-Î"8-THC. Pharmacology Biochemistry and Behavior, 1991, 40, 503-507.	2.9	47
138	Immunofluorescent spectral analysis reveals the intrathecal cannabinoid agonist, AM1241, produces spinal antiâ€inflammatory cytokine responses in neuropathic rats exhibiting relief from allodynia. Brain and Behavior, 2012, 2, 155-177.	2.2	47
139	2012 Division of Medicinal Chemistry Award Address. Trekking the Cannabinoid Road: A Personal Perspective. Journal of Medicinal Chemistry, 2014, 57, 3891-3911.	6.4	47
140	AM630 is a competitive cannabinoid receptor antagonist in the guinea pig brain. Life Sciences, 1997, 61, PL115-PL118.	4.3	46
141	AM630 is an inverse agonist at the human cannabinoid CB1 receptor. Life Sciences, 1998, 62, PL109-PL113.	4.3	46
142	The conformation of the cytoplasmic helix 8 of the CB1 cannabinoid receptor using NMR and circular dichroism. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1668, 1-9.	2.6	46
143	Targeting the endocannabinoid system in treating brain disorders. Expert Opinion on Investigational Drugs, 2006, 15, 351-365.	4.1	46
144	Cannabinergic aminoalkylindoles, including AM678=JWH018 found in â€˜Spiceâ€™, examined using drug (Î"9-tetrahydrocannabinol) discrimination for rats. Behavioural Pharmacology, 2011, 22, 498-507.	1.7	46

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145	The neutral cannabinoid CB1 receptor antagonist AM4113 regulates body weight through changes in energy intake in the rat. Pharmacology Biochemistry and Behavior, 2011, 97, 537-543.	2.9	46
146	In vitro determination of the efficacy of illicit synthetic cannabinoids at CB₁ receptors. British Journal of Pharmacology, 2019, 176, 4653-4665.	5.4	46
147	The CB1 inverse agonist AM251, but not the CB1 antagonist AM4113, enhances retention of contextual fear conditioning in rats. Pharmacology Biochemistry and Behavior, 2010, 95, 479-484.	2.9	45
148	Differential effects of CB1 neutral antagonists and inverse agonists on gastrointestinal motility in mice. Neurogastroenterology and Motility, 2010, 22, 787-e223.	3.0	45
149	A New Generation Fatty Acid Amide Hydrolase Inhibitor Protects Against Kainate-Induced Excitotoxicity. Journal of Molecular Neuroscience, 2011, 43, 493-502.	2.3	45
150	Endocannabinoid and Cannabinoid-Like Fatty Acid Amide Levels Correlate with Pain-Related Symptoms in Patients with IBS-D and IBS-C: A Pilot Study. PLoS ONE, 2013, 8, e85073.	2.5	45
151	High-Performance Liquid Chromatographic Determination of Anandamide Amidase Activity in Rat Brain Microsomes. Analytical Biochemistry, 1996, 238, 40-45.	2.4	44
152	How lipophilic cannabinergic ligands reach their receptor sites. Prostaglandins and Other Lipid Mediators, 2005, 77, 210-218.	1.9	44
153	C1â€˜-Cycloalkyl Side Chain Pharmacophore in Tetrahydrocannabinols. Journal of Medicinal Chemistry, 2007, 50, 4048-4060.	6.4	44
154	A Genetically Encoded F-19 NMR Probe Reveals the Allosteric Modulation Mechanism of Cannabinoid Receptor 1. Journal of the American Chemical Society, 2021, 143, 16320-16325.	13.7	44
155	Structural Requirements for Cannabinoid Receptor Probes. , 2005, , 209-246.		43
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