John A Auchampach

List of Publications by Year
in descending order

68	2,409	186265 28	206112 48
papers	citations	h-index	g-index

72	72	72	2032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Canine Mast Cell Adenosine Receptors: Cloning and Expression of the A₃Receptor and Evidence that Degranulation Is Mediated by the A_{2B}Receptor. Molecular Pharmacology, 1997, 52, 846-860.	2.3	193
2	Adenosine Inhibits Tumor Necrosis Factor-Î± Release from Mouse Peritoneal Macrophages via A2Aand A2Bbut Not the A3Adenosine Receptor. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 172-180.	2.5	177
3	Selective Activation of A 3 Adenosine Receptors With N 6 -(3-Iodobenzyl)Adenosine-5â€²- N -Methyluronamide Protects Against Myocardial Stunning and Infarction Without Hemodynamic Changes in Conscious Rabbits. Circulation Research, 1997, 80, 800-809.	4.5	154
4	A ₁ or A ₃ Adenosine Receptors Induce Late Preconditioning Against Infarction in Conscious Rabbits by Different Mechanisms. Circulation Research, 2001, 88, 520-528.	4.5	127
5	Reperfusion injury: Does it exist?. Journal of Molecular and Cellular Cardiology, 2007, 42, 12-18.	1.9	99
6	Cl-IB-MECA [2-Chloro-N6-(3-iodobenzyl)adenosine-5â€²-N-methylcarboxamide] Reduces Ischemia/Reperfusion Injury in Mice by Activating the A Adenosine Receptor. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 1200-1210.	2.5	92
7	Gene Dosage-Dependent Effects of Cardiac-Specific Overexpression of the A3Adenosine Receptor. Circulation Research, 2002, 91, 165-172.	4.5	77
8	Structure-Guided Design of A₃ Adenosine Receptor-Selective Nucleosides: Combination of 2-Arylethynyl and Bicyclo[3.1.0]hexane Substitutions. Journal of Medicinal Chemistry, 2012, 55, 4847-4860.	6.4	76
9	Targeted Deletion of the A3Adenosine Receptor Confers Resistance to Myocardial Ischemic Injury and does not Prevent Early Preconditioning. Journal of Molecular and Cellular Cardiology, 2001, 33, 825-830.	1.9	74
10	The A₃ Adenosine Receptor Agonist CP-532,903 [N⁶-(2,5-Dichlorobenzyl)-3â€²-aminoadenosine-5â€²-N-methylcarboxamide] Protects against Myocardial Ischemia/Reperfusion Injury via the Sarcolemmal ATP-Sensitive Potassium Channel. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 234-243.	2.5	71
11	Activation of the A₃Adenosine Receptor Suppresses Superoxide Production and Chemotaxis of Mouse Bone Marrow Neutrophils. Molecular Pharmacology, 2008, 74, 685-696.	2.3	70
12	Adenosine Receptors and Angiogenesis. Circulation Research, 2007, 101, 1075-1077.	4.5	65
13	Hypothermia in mouse is caused by adenosine A1 and A3 receptor agonists and AMP via three distinct mechanisms. Neuropharmacology, 2017, 114, 101-113.	4.1	60
14	A3adenosine receptor agonist IB-MECA reduces myocardial ischemia-reperfusion injury in dogs. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H607-H613.	3.2	59
15	A3 adenosine receptor activation attenuates neutrophil function and neutrophil-mediated reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H1895-H1905.	3.2	54
16	In Vivo Phenotypic Screening for Treating Chronic Neuropathic Pain: Modification of C2-Arylethynyl Group of Conformationally Constrained A₃ Adenosine Receptor Agonists. Journal of Medicinal Chemistry, 2014, 57, 9901-9914.	6.4	48
17	A Role for the Low-Affinity A_{2B}Adenosine Receptor in Regulating Superoxide Generation by Murine Neutrophils. Journal of Pharmacology and Experimental Therapeutics, 2011, 338, 1004-1012.	2.5	46
18	A3 adenosine receptor activation during reperfusion reduces infarct size through actions on bone marrow-derived cells. Journal of Molecular and Cellular Cardiology, 2010, 49, 280-286.	1.9	45

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19	Rational Design of Sulfonated A₃ Adenosine Receptor-Selective Nucleosides as Pharmacological Tools To Study Chronic Neuropathic Pain. Journal of Medicinal Chemistry, 2013, 56, 5949-5963.	6.4	44
20	Design of (N)-methanocarba adenosine 5â€²-uronamides as species-independent A3 receptor-selective agonists. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2813-2819.	2.2	43
21	Rap1b in Smooth Muscle and Endothelium Is Required for Maintenance of Vascular Tone and Normal Blood Pressure. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1486-1494.	2.4	43
22	Adenosine receptor subtypes in the heart: therapeutic opportunities and challenges. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H1113-H1116.	3.2	42
23	Characterization of the A_{2B}Adenosine Receptor from Mouse, Rabbit, and Dog. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 2-13.	2.5	37
24	IL-13 promotes in vivo neonatal cardiomyocyte cell cycle activity and heart regeneration. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H24-H34.	3.2	37
25	Comparison of Three Different A1 Adenosine Receptor Antagonists on Infarct Size and Multiple Cycle Ischemic Preconditioning in Anesthetized Dogs. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 846-856.	2.5	36
26	Adenosine A1 receptors heterodimerize with Î²1- and Î²2-adrenergic receptors creating novel receptor complexes with altered G protein coupling and signaling. Cellular Signalling, 2013, 25, 736-742.	3.6	31
27	Reduction in Myocardial Infarct Size by the New Potassium Channel Opener Bimakalim. Journal of Cardiovascular Pharmacology, 1994, 23, 554-561.	1.9	29
28	Cyclooxygenase-2 does not mediate late preconditioning induced by activation of adenosine A₁ or A₃receptors. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H959-H968.	3.2	29
29	Protection from Myocardial Ischemia/Reperfusion Injury by a Positive Allosteric Modulator of the A₃ Adenosine Receptor. Journal of Pharmacology and Experimental Therapeutics, 2012, 340, 210-217.	2.5	29
30	Design and in Vivo Characterization of A₁ Adenosine Receptor Agonists in the Native Ribose and Conformationally Constrained (N)-Methanocarba Series. Journal of Medicinal Chemistry, 2019, 62, 1502-1522.	6.4	22
31	Synthesis and pharmacological characterization of [125I]MRS5127, a high affinity, selective agonist radioligand for the A3 adenosine receptor. Biochemical Pharmacology, 2010, 79, 967-973.	4.4	21
32	Measuring cardiomyocyte cell-cycle activity and proliferation in the age of heart regeneration. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H579-H596.	3.2	21
33	Polyamidoamine (PAMAM) dendrimer conjugate specifically activates the A3 adenosine receptor to improve post-ischemic/reperfusion function in isolated mouse hearts. BMC Pharmacology, 2011, 11, 11.	0.4	20
34	Activation of adenosine A2A or A2B receptors causes hypothermia in mice. Neuropharmacology, 2018, 139, 268-278.	4.1	20
35	Rigidified A3 Adenosine Receptor Agonists: 1-Deazaadenine Modification Maintains High in Vivo Efficacy. ACS Medicinal Chemistry Letters, 2015, 6, 804-808.	2.8	19
36	Protection of IB-MECA against myocardial stunning in conscious rabbits is not mediated by the A1 adenosine receptor. Basic Research in Cardiology, 2001, 96, 487-496.	5.9	18

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37	Structure-based design, synthesis by click chemistry and in vivo activity of highly selective A₃ adenosine receptor agonists. MedChemComm, 2015, 6, 555-563.	3.4	18
38	Scaffold Repurposing of Nucleosides (Adenosine Receptor Agonists): Enhanced Activity at the Human Dopamine and Norepinephrine Sodium Symporters. Journal of Medicinal Chemistry, 2017, 60, 3109-3123.	6.4	18
39	Stress-Induced Cell-Cycle Activation in Tip60 Haploinsufficient Adult Cardiomyocytes. PLoS ONE, 2012, 7, e31569.	2.5	18
40	Depletion of Tip60 from In Vivo Cardiomyocytes Increases Myocyte Density, Followed by Cardiac Dysfunction, Myocyte Fallout and Lethality. PLoS ONE, 2016, 11, e0164855.	2.5	18
41	Species differences and mechanism of action of A3 adenosine receptor allosteric modulators. Purinergic Signalling, 2018, 14, 59-71.	2.2	17
42	Direct Comparison of (N)-Methanocarba and Ribose-Containing 2-Arylalkynyladenosine Derivatives as A₃ Receptor Agonists. ACS Medicinal Chemistry Letters, 2020, 11, 1935-1941.	2.8	17
43	Truncated (N)-Methanocarba Nucleosides as Partial Agonists at Mouse and Human A₃ Adenosine Receptors: Affinity Enhancement by N⁶-(2-Phenylethyl) Substitution. Journal of Medicinal Chemistry, 2020, 63, 4334-4348.	6.4	17
44	Bitopic fluorescent antagonists of the A_{2A} adenosine receptor based on pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine functionalized congeners. MedChemComm, 2017, 8, 1659-1667.	3.4	15
45	Purine (N)-Methanocarba Nucleoside Derivatives Lacking an Exocyclic Amine as Selective A3 Adenosine Receptor Agonists. Journal of Medicinal Chemistry, 2016, 59, 3249-3263.	6.4	14
46	Repurposing of a Nucleoside Scaffold from Adenosine Receptor Agonists to Opioid Receptor Antagonists. ACS Omega, 2018, 3, 12658-12678.	3.5	13
47	Myh6-driven Cre-recombinase activates the DNA damage response and the cell-cycle in the myocardium in the absence of loxP sites. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	13
48	Renal effects of BG9928, an A1 adenosine receptor antagonist, in rats and nonhuman primates. Drug Development Research, 2003, 58, 486-492.	2.9	12
49	Activation of the A3 adenosine receptor inhibits fMLP-induced Rac activation in mouse bone marrow neutrophils. Biochemical Pharmacology, 2010, 79, 1667-1673.	4.4	11
50	Ability of CP-532,903 to protect mouse hearts from ischemia/reperfusion injury is dependent on expression of A3 adenosine receptors in cardiomyoyctes. Biochemical Pharmacology, 2019, 163, 21-31.	4.4	10
51	Conditional depletion of the acetyltransferase Tip60 protects against the damaging effects of myocardial infarction. Journal of Molecular and Cellular Cardiology, 2022, 163, 9-19.	1.9	10
52	Characterization of Dahl salt-sensitive rats with genetic disruption of the A2B adenosine receptor gene: implications for A2B adenosine receptor signaling during hypertension. Purinergic Signalling, 2015, 11, 519-531.	2.2	9
53	Llgl1 regulates zebrafish cardiac development by mediating Yap stability in cardiomyocytes. Development (Cambridge), 2020, 147, .	2.5	9
54	Relationship of Severity of Myocardial Stunning to ATP Dependent Potassium Channel Modulation. Journal of Cardiac Surgery, 1993, 8, 279-283.	0.7	8

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55	Evidence that the acetyltransferase Tip60 induces the DNA damage response and cell-cycle arrest in neonatal cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2021, 155, 88-98.	1.9	8
56	Characterization of Dual-Acting A₃ Adenosine Receptor Positive Allosteric Modulators That Preferentially Enhance Adenosine-Induced GÎ±_{i3} and GÎ±_{oA} Isoprotein Activation. ACS Pharmacology and Translational Science, 2022, 5, 625-641.	4.9	8
57	Lung injury pathways: Adenosine receptor 2B signaling limits development of ischemic bronchiolitis obliterans organizing pneumonia. Experimental Lung Research, 2017, 43, 38-48.	1.2	7
58	Structure activity relationship of 2-arylalkynyl-adenine derivatives as human A₃ adenosine receptor antagonists. MedChemComm, 2018, 9, 1920-1932.	3.4	6
59	A3 adenosine receptor agonists containing dopamine moieties for enhanced interspecies affinity. European Journal of Medicinal Chemistry, 2022, 228, 113983.	5.5	4
60	Characterization of expression and function of adenosine receptors in mouse neutrophils. FASEB Journal, 2006, 20, A249.	0.5	1
61	The A 3 AR agonist CPâ€532,903 provides protection in two different mouse models of ischemia/reperfusion injury. FASEB Journal, 2006, 20, A230.	0.5	0
62	The A 2A adenosine receptor inhibits LPSâ€induced TNFâ€Î± release from murine peritoneal macrophages through a PKAâ€independent pathway. FASEB Journal, 2006, 20, .	0.5	0
63	Differential expression and signaling of adenosine receptors in mouse bone marrow neutrophils. FASEB Journal, 2008, 22, 729.5.	0.5	0
64	Cardiovascular Biology of the A3 Adenosine Receptor. , 2010, , 189-208.		0
65	Activity of LUF6000 and LUF6096 as positive allosteric modulators (PAMs) for the A3 adenosine receptor (AR) is speciesâ€dependent. FASEB Journal, 2012, 26, 851.3.	0.5	0
66	Evidence that Tip60 Induces the DDR & Cardiomyocyte Replicative Senescence in the Neonatal Heart. FASEB Journal, 2019, 33, 331.2.	0.5	0
67	Identification and Characterization of â€˜Biasedâ€™ A₃ Adenosine Receptor Allosteric Modulators. FASEB Journal, 2020, 34, 1-1.	0.5	0
68	Characterization of Novel A ₃ Adenosine Receptor Allosteric Modulators. FASEB Journal, 2022, 36, .	0.5	0