Clinton E Canal

List of Publications by Year
in descending order

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44 papers	865 citations	430874 18 h-index	501196 28 g-index
46 all docs	46 docs citations	46 times ranked	920 citing authors

#	Article	IF	Citations
1	Amnesia produced by altered release of neurotransmitters after intraamygdala injections of a protein synthesis inhibitor. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12500-12505.	7.1	95
2	The serotonin 2C receptor potently modulates the head-twitch response in mice induced by a phenethylamine hallucinogen. Psychopharmacology, 2010, 209, 163-174.	3.1	89
3	Classics in Chemical Neuroscience: Aripiprazole. ACS Chemical Neuroscience, 2017, 8, 1135-1146.	3.5	80
4	Support for 5-HT2C receptor functional selectivity inÂvivo utilizing structurally diverse, selective 5-HT2C receptor ligands and the 2,5-dimethoxy-4-iodoamphetamine elicited head-twitch response model. Neuropharmacology, 2013, 70, 112-121.	4.1	53
5	Glucose injections into the dorsal hippocampus or dorsolateral striatum of rats prior to T-maze training: Modulation of learning rates and strategy selection. Learning and Memory, 2005, 12, 367-374.	1.3	45
6	The serotonin 5-HT_{2C} receptor and the non-addictive nature of classic hallucinogens. Journal of Psychopharmacology, 2017, 31, 127-143.	4.0	43
7	Impact of RNA editing on functions of the serotonin 2C receptor in vivo. Frontiers in Neuroscience, 2010, 4, 26.	2.8	33
8	Modulation of memory with septal injections of morphine and glucose: Effects on extracellular glucose levels in the hippocampus. Physiology and Behavior, 2006, 87, 298-303.	2.1	32
9	An Orally Active Phenylaminotetralin-Chemotype Serotonin 5-HT₇ and 5-HT_{1A} Receptor Partial Agonist That Corrects Motor Stereotypy in Mouse Models. ACS Chemical Neuroscience, 2015, 6, 1259-1270.	3.5	31
10	Activity of Mitragyna speciosa (â€œKratomâ€) Alkaloids at Serotonin Receptors. Journal of Medicinal Chemistry, 2021, 64, 13510-13523.	6.4	30
11	â€œSelectiveâ€•serotonin 5-HT2A receptor antagonists. Biochemical Pharmacology, 2022, 200, 115028.	4.4	28
12	Effects of the second-generation "bath salt" cathinone alpha-pyrrolidinopropiophenone (Î±-PPP) on behavior and monoamine neurochemistry in male mice. Psychopharmacology, 2019, 236, 1107-1117.	3.1	24
13	Increases in extracellular fluid glucose levels in the rat hippocampus following an anesthetic dose of pentobarbital or ketamineâ€“xylazine: an in vivo microdialysis study. Physiology and Behavior, 2005, 84, 245-250.	2.1	23
14	Different temporal profiles of amnesia after intra-hippocampus and intra-amygdala infusions of anisomycin.. Behavioral Neuroscience, 2007, 121, 732-741.	1.2	23
15	Drug discovery targeting human 5-HT2C receptors: Residues S3.36 and Y7.43 impact ligandâ€”Binding pocket structure via hydrogen bond formation. European Journal of Pharmacology, 2011, 673, 1-12.	3.5	23
16	Serotonergic Psychedelics: Experimental Approaches for Assessing Mechanisms of Action. Handbook of Experimental Pharmacology, 2018, 252, 227-260.	1.8	23
17	Intra-amygdala injections of CREB antisense impair inhibitory avoidance memory: Role of norepinephrine and acetylcholine. Learning and Memory, 2008, 15, 677-686.	1.3	22
18	A Novel Aminotetralin-Type Serotonin (5-HT) _{2C} Receptor-Specific Agonist and 5-HT_{2A} Competitive Antagonist/5-HT_{2B} Inverse Agonist with Preclinical Efficacy for Psychoses. Journal of Pharmacology and Experimental Therapeutics, 2014, 349, 310-318.	2.5	20

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19	Molecular Pharmacology and Ligand Docking Studies Reveal a Single Amino Acid Difference between Mouse and Human Serotonin 5-HT2A Receptors That Impacts Behavioral Translation of Novel 4-Phenyl-2-dimethylaminotetralin Ligands. Journal of Pharmacology and Experimental Therapeutics, 2013, 347, 705-716.	2.5	19
20	(S)-5-(2â€²-Fluorophenyl)-N,N-dimethyl-1,2,3,4-tetrahydronaphthalen-2-amine, a Serotonin Receptor Modulator, Possesses Anticonvulsant, Prosocial, and Anxiolytic-like Properties in an Fmr1 Knockout Mouse Model of Fragile X Syndrome and Autism Spectrum Disorder. ACS Pharmacology and Translational Science, 2020, 3, 509-523.	4.9	18
21	Molecular determinants for ligand binding at serotonin 5â€HT_{2A} and 5â€HT_{2C} GPCRs: Experimental affinity results analyzed by molecular modeling and ligand docking studies. International Journal of Quantum Chemistry, 2012, 112, 3807-3814.	2.0	17
22	Synthesis of novel 5-substituted-2-aminotetralin analogs: 5-HT1A and 5-HT7 G protein-coupled receptor affinity, 3D-QSAR and molecular modeling. Bioorganic and Medicinal Chemistry, 2020, 28, 115262.	3.0	14
23	Human serotonin 5â€HT_{2C} G proteinâ€coupled receptor homology model from the Î²₂ adrenoceptor structure: Ligand docking and mutagenesis studies. International Journal of Quantum Chemistry, 2012, 112, 140-149.	2.0	10
24	Mutagenesis Analysis Reveals Distinct Amino Acids of the Human Serotonin 5-HT_{2C} Receptor Underlying the Pharmacology of Distinct Ligands. ACS Chemical Neuroscience, 2017, 8, 28-39.	3.5	9
25	Structureâ€“Activity Relationship Study of Psychostimulant Synthetic Cathinones Reveals Nanomolar Antagonist Potency of Î±-Pyrrolidinohexiophenone at Human Muscarinic M₂ Receptors. ACS Chemical Neuroscience, 2020, 11, 960-968.	3.5	9
26	Ligand-directed serotonin 5-HT2C receptor desensitization and sensitization. European Journal of Pharmacology, 2019, 848, 131-139.	3.5	8
27	M100907 and BD 1047 attenuate the acute toxic effects of methamphetamine. NeuroToxicology, 2019, 74, 91-99.	3.0	8
28	The synthetic cathinone psychostimulant Î±â€PPP antagonizes serotonin 5â€HT_{2A} receptors: In vitro and in vivo evidence. Drug Testing and Analysis, 2019, 11, 990-998.	2.6	8
29	Evaluation of lorcaserin as an anticonvulsant in juvenile Fmr1 knockout mice. Epilepsy Research, 2021, 175, 106677.	1.6	7
30	RNA editing of the serotonin 2C receptor and expression of Gî±_q protein: genetic mouse models do not support a role for regulation or compensation. Journal of Neurochemistry, 2009, 108, 1136-1142.	3.9	6
31	Spontaneous seizures in adult Fmr1 knockout mice: FVB.129P2-Pde6b+ Tyr Fmr1/J. Epilepsy Research, 2022, 182, 106891.	1.6	6
32	Novel 4-substituted-N,N-dimethyltetrahydronaphthalen-2-amines: synthesis, affinity, and in silico docking studies at serotonin 5-HT2-type and histamine H1 G protein-coupled receptors. Bioorganic and Medicinal Chemistry, 2015, 23, 1588-1600.	3.0	4
33	Can pimavanserin help patients with Parkinson disease psychosis?. JAAPA: Official Journal of the American Academy of Physician Assistants, 2019, 32, 44-45.	0.3	3
34	Development of novel serotonin 7â€targeting compounds based on the 2â€dimethylaminotetralin scaffold (1059.13). FASEB Journal, 2014, 28, 1059.13.	0.5	1
35	Evaluation of Perineuronal Nets and Their Regulation by Serotonin 5â€HT 7 Receptors in a Juvenile Fmr1 Knockout Mouse Model of Fragile X Syndrome. FASEB Journal, 2021, 35, .	0.5	0
36	Evaluation of Serotonin 5â€HT 1A , 5â€HT 2A , and 5â€HT 2C Receptors and the Serotonin Transporter in an Fmr1 Knockout Mouse Model of Fragile X Syndrome. FASEB Journal, 2021, 35, .	0.5	0

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37	The Synthetic Cathinone Î±â€PPP Acts as a Competitive Antagonist at Human 5â€HT 2A Receptors. FASEB Journal, 2019, 33, 664.17.	0.5	0
38	FPT, a Novel 5â€HT 7 and 5â€HT 1A Partial Agonist, Treats Neuropsychiatric Symptoms Modeled in Fmr1 Knockout Mice. FASEB Journal, 2019, 33, 667.2.	0.5	0
39	Assessment of Brain Serotonin Receptors in an Fmr1 Knockout Mouse Model of Fragile X Syndrome. FASEB Journal, 2019, 33, 667.1.	0.5	0
40	Exploring 5â€HT 2 Receptors as Targets for Treating Epilepsy in Fragile X Syndrome: A Preclinical Study of Fmr1 Knockâ€out Mice. FASEB Journal, 2020, 34, 1-1.	0.5	0
41	Sex Differences in an Fmr1 Knockâ€out Mouse Model of Fragile X Syndrome. FASEB Journal, 2020, 34, 1-1.	0.5	0
42	Structure Activity Relationship Studies of Psychostimulant Synthetic Cathinones Reveal Nanomolar Antagonist Potency of Î±â€Pyrrolidinohexiophenone (Î±â€PHP) at Human Muscarinic M 2 Receptors. FASEB Journal, 2020, 34, 1-1.	0.5	0
43	The Need To Improve Reporting of the Pharmacological Action of New Molecules. ACS Chemical Neuroscience, 2022, , .	3.5	0
44	NeuroChat with Professor Clinton E. Canal. ACS Chemical Neuroscience, 2020, 11, 3485-3487.	3.5	0