# S Stevens Negus

## List of Publications by Citations



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| 205 papers | 6,465 citations | 45 h-index | 69 g-index |
| 215 ext. papers | 7,169 ext. citations | 4.9 avg, IF | 6.46 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 205 | Preclinical evaluation of pharmacotherapies for treatment of cocaine and opioid abuse using drug self-administration procedures. *Neuropsychopharmacology*, **1996**, 14, 375-424 | 8.7 | 280 |
| 204 | Agonist-like, replacement pharmacotherapy for stimulant abuse and dependence. *Addictive Behaviors*, **2004**, 29, 1439-64 | 4.2 | 227 |
| 203 | Preclinical assessment of candidate analgesic drugs: recent advances and future challenges. *Journal of Pharmacology and Experimental Therapeutics*, **2006**, 319, 507-14 | 4.7 | 194 |
| 202 | Effects of chronic d-amphetamine treatment on cocaine- and food-maintained responding under a second-order schedule in rhesus monkeys. *Drug and Alcohol Dependence*, **2003**, 70, 39-52 | 4.9 | 166 |
| 201 | Rapid assessment of choice between cocaine and food in rhesus monkeys: effects of environmental manipulations and treatment with d-amphetamine and flupenthixol. *Neuropsychopharmacology*, **2003**, 28, 919-31 | 8.7 | 164 |
| 200 | Intracranial self-stimulation to evaluate abuse potential of drugs. *Pharmacological Reviews*, **2014**, 66, 869-917 | 22.5 | 151 |
| 199 | Explaining the escalation of drug use in substance dependence: models and appropriate animal laboratory tests. *Pharmacology*, **2007**, 80, 65-119 | 2.3 | 112 |
| 198 | Effects of kappa opioids on cocaine self-administration by rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **1997**, 282, 44-55 | 4.7 | 111 |
| 197 | Effects of acute and repeated treatment with the biased mu opioid receptor agonist TRV130 (oliceridine) on measures of antinociception, gastrointestinal function, and abuse liability in rodents. *Journal of Psychopharmacology*, **2017**, 31, 730-739 | 4.6 | 108 |
| 196 | Abuse-related and abuse-limiting effects of methcathinone and the synthetic "bath salts" cathinone analogs methylenedioxypyrovalerone (MDPV), methylone and mephedrone on intracranial self-stimulation in rats. *Psychopharmacology*, **2014**, 231, 199-207 | 4.7 | 106 |
| 195 | Interactions between kappa opioid agonists and cocaine. Preclinical studies. *Annals of the New York Academy of Sciences*, **2000**, 909, 104-32 | 6.5 | 99 |
| 194 | Choice between heroin and food in nondependent and heroin-dependent rhesus monkeys: effects of naloxone, buprenorphine, and methadone. *Journal of Pharmacology and Experimental Therapeutics*, **2006**, 317, 711-23 | 4.7 | 97 |
| 193 | Behavioral effects of the delta-selective opioid agonist SNC80 and related compounds in rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **1998**, 286, 362-75 | 4.7 | 97 |
| 192 | Rat nucleus accumbens core astrocytes modulate reward and the motivation to self-administer ethanol after abstinence. *Neuropsychopharmacology*, **2014**, 39, 2835-45 | 8.7 | 93 |
| 191 | Use of intracranial self-stimulation to evaluate abuse-related and abuse-limiting effects of monoamine releasers in rats. *British Journal of Pharmacology*, **2013**, 168, 850-62 | 8.6 | 93 |
| 190 | Effect of gonadectomy and gonadal hormone replacement on cocaine self-administration in female and male rats. *Neuropsychopharmacology*, **2004**, 29, 929-42 | 8.7 | 86 |
| 189 | Effects of chronic d-amphetamine treatment on cocaine- and food-maintained responding under a progressive-ratio schedule in rhesus monkeys. *Psychopharmacology*, **2003**, 167, 324-32 | 4.7 | 85 |

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| 188 | Targeting pain-suppressed behaviors in preclinical assays of pain and analgesia: effects of morphine on acetic acid-suppressed feeding in C57BL/6J mice. *Journal of Pain*, **2006**, 7, 408-16 | 5.2 | 80 |
| 187 | Effects of pain- and analgesia-related manipulations on intracranial self-stimulation in rats: further studies on pain-depressed behavior. *Pain*, **2009**, 144, 170-7 | 8 | 73 |
| 186 | Opioid antinociception in ovariectomized monkeys: comparison with antinociception in males and effects of estradiol replacement. *Journal of Pharmacology and Experimental Therapeutics*, **1999**, 290, 1132-40 | 4.7 | 72 |
| 185 | Insights from Preclinical Choice Models on Treating Drug Addiction. *Trends in Pharmacological Sciences*, **2017**, 38, 181-194 | 13.2 | 71 |
| 184 | Cocaine versus food choice procedure in rats: environmental manipulations and effects of amphetamine. *Journal of the Experimental Analysis of Behavior*, **2013**, 99, 211-33 | 2.1 | 71 |
| 183 | Pain-related depression of the mesolimbic dopamine system in rats: expression, blockade by analgesics, and role of endogenous opioids. *Neuropsychopharmacology*, **2014**, 39, 614-24 | 8.7 | 70 |
| 182 | Preclinical Determinants of Drug Choice under Concurrent Schedules of Drug Self-Administration. *Advances in Pharmacological Sciences*, **2012**, 2012, 281768 | 4.9 | 70 |
| 181 | Monoamine releasers with varying selectivity for dopamine/norepinephrine versus serotonin release as candidate "agonist" medications for cocaine dependence: studies in assays of cocaine discrimination and cocaine self-administration in rhesus monkeys. *Journal of Pharmacology and* | 4.7 | 68 |
| 180 | Kappa opioid antagonist effects of systemically administered nor-binaltorphimine in a thermal antinociception assay in rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **1993**, 267, 1269-76 | 4.7 | 64 |
| 179 | Effects of the kappa opioid agonist U50,488 and the kappa opioid antagonist nor-binaltorphimine on choice between cocaine and food in rhesus monkeys. *Psychopharmacology*, **2004**, 176, 204-13 | 4.7 | 63 |
| 178 | Behavioral effects of the systemically active delta opioid agonist BW373U86 in rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **1994**, 270, 1025-34 | 4.7 | 61 |
| 177 | Effects of opioid agonists selective for mu, kappa and delta opioid receptors on schedule-controlled responding in rhesus monkeys: antagonism by quadazocine. *Journal of Pharmacology and Experimental Therapeutics*, **1993**, 267, 896-903 | 4.7 | 59 |
| 176 | Effects of kappa opioids in an assay of pain-depressed intracranial self-stimulation in rats. *Psychopharmacology*, **2010**, 210, 149-59 | 4.7 | 58 |
| 175 | Effects of monoamine reuptake inhibitors in assays of acute pain-stimulated and pain-depressed behavior in rats. *Journal of Pain*, **2013**, 14, 246-59 | 5.2 | 57 |
| 174 | Dissociable effects of the cannabinoid receptor agonists -tetrahydrocannabinol and CP55940 on pain-stimulated versus pain-depressed behavior in rats. *Journal of Pharmacology and Experimental Therapeutics*, **2012**, 343, 389-400 | 4.7 | 56 |
| 173 | Opioid interactions in rhesus monkeys: effects of delta + mu and delta + kappa agonists on schedule-controlled responding and thermal nociception. *Journal of Pharmacology and Experimental Therapeutics*, **2003**, 307, 1054-64 | 4.7 | 56 |
| 172 | Kappa opioid antagonist effects of the novel kappa antagonist 5'-guanidinonaltrindole (GNTI) in an assay of schedule-controlled behavior in rhesus monkeys. *Psychopharmacology*, **2002**, 163, 412-9 | 4.7 | 56 |
| 171 | Stereochemistry of mephedrone neuropharmacology: enantiomer-specific behavioural and neurochemical effects in rats. *British Journal of Pharmacology*, **2015**, 172, 883-94 | 8.6 | 55 |

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| 170 | Agonist Medications for the Treatment of Cocaine Use Disorder. *Neuropsychopharmacology*, **2015**, 40, 1815-25 | 8.7 | 54 |
| 169 | Sustained pain-related depression of behavior: effects of intraplantar formalin and complete freund's adjuvant on intracranial self-stimulation (ICSS) and endogenous kappa opioid biomarkers in rats. *Molecular Pain*, **2014**, 10, 62 | 3.4 | 51 |
| 168 | Stereoselective Actions of Methylenedioxypyrovalerone (MDPV) To Inhibit Dopamine and Norepinephrine Transporters and Facilitate Intracranial Self-Stimulation in Rats. *ACS Chemical Neuroscience*, **2015**, 6, 771-7 | 5.7 | 50 |
| 167 | Mechanisms of withdrawal-associated increases in heroin self-administration: pharmacologic modulation of heroin vs food choice in heroin-dependent rhesus monkeys. *Neuropsychopharmacology*, **2009**, 34, 899-911 | 8.7 | 50 |
| 166 | Effects of peripherally restricted κ opioid receptor agonists on pain-related stimulation and depression of behavior in rats. *Journal of Pharmacology and Experimental Therapeutics*, **2012**, 340, 501-9 | 4.7 | 50 |
| 165 | Effects of ketoprofen, morphine, and kappa opioids on pain-related depression of nesting in mice. *Pain*, **2015**, 156, 1153-1160 | 8 | 50 |
| 164 | Effects of punishment on choice between cocaine and food in rhesus monkeys. *Psychopharmacology*, **2005**, 181, 244-52 | 4.7 | 49 |
| 163 | Quantitative structure-activity relationship analysis of the pharmacology of para-substituted methcathinone analogues. *British Journal of Pharmacology*, **2015**, 172, 2433-44 | 8.6 | 48 |
| 162 | Delta opioid antagonist effects of buprenorphine in rhesus monkeys. *Behavioural Pharmacology*, **2002**, 13, 557-70 | 2.4 | 48 |
| 161 | The selective non-peptidic delta opioid agonist SNC80 does not facilitate intracranial self-stimulation in rats. *European Journal of Pharmacology*, **2009**, 604, 58-65 | 5.3 | 46 |
| 160 | Monoamine transporter inhibitors and substrates as treatments for stimulant abuse. *Advances in Pharmacology*, **2014**, 69, 129-76 | 5.7 | 45 |
| 159 | Micro/kappa opioid interactions in rhesus monkeys: implications for analgesia and abuse liability. *Experimental and Clinical Psychopharmacology*, **2008**, 16, 386-99 | 3.2 | 45 |
| 158 | Sex differences in opioid reinforcement under a fentanyl vs. food choice procedure in rats. *Neuropsychopharmacology*, **2019**, 44, 2022-2029 | 8.7 | 43 |
| 157 | Antinociceptive effects of monoamine reuptake inhibitors administered alone or in combination with mu opioid agonists in rhesus monkeys. *Psychopharmacology*, **1998**, 135, 99-106 | 4.7 | 43 |
| 156 | Abuse-Related Neurochemical Effects of Para-Substituted Methcathinone Analogs in Rats: Microdialysis Studies of Nucleus Accumbens Dopamine and Serotonin. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 356, 182-90 | 4.7 | 42 |
| 155 | Core Outcome Measures in Preclinical Assessment of Candidate Analgesics. *Pharmacological Reviews*, **2019**, 71, 225-266 | 22.5 | 40 |
| 154 | Use of Preclinical Drug vs. Food Choice Procedures to Evaluate Candidate Medications for Cocaine Addiction. *Current Treatment Options in Psychiatry*, **2015**, 2, 136-150 | 3.1 | 39 |
| 153 | Expression and treatment of pain-related behavioral depression. *Lab Animal*, **2013**, 42, 292-300 | 0.4 | 39 |

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| 152 | Effects of monoamine releasers with varying selectivity for releasing dopamine/norepinephrine versus serotonin on choice between cocaine and food in rhesus monkeys. *Behavioural Pharmacology*, **2011**, 22, 824-36 | 2.4 | 38 |
| 151 | Effects of mu-opioid agonists on cocaine- and food-maintained responding and cocaine discrimination in rhesus monkeys: role of mu-agonist efficacy. *Journal of Pharmacology and Experimental Therapeutics*, **2002**, 300, 1111-21 | 4.7 | 38 |
| 150 | Rationale and methods for assessment of pain-depressed behavior in preclinical assays of pain and analgesia. *Methods in Molecular Biology*, **2010**, 617, 79-91 | 1.4 | 37 |
| 149 | Effects of 14-day treatment with the schedule III anorectic phendimetrazine on choice between cocaine and food in rhesus monkeys. *Drug and Alcohol Dependence*, **2013**, 131, 204-13 | 4.9 | 35 |
| 148 | Effects of phendimetrazine treatment on cocaine vs food choice and extended-access cocaine consumption in rhesus monkeys. *Neuropsychopharmacology*, **2013**, 38, 2698-707 | 8.7 | 33 |
| 147 | Selective suppression of cocaine- versus food-maintained responding by monoamine releasers in rhesus monkeys: benzylpiperazine, (+)phenmetrazine, and 4-benzylpiperidine. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 329, 272-81 | 4.7 | 33 |
| 146 | Effects of chronic methadone treatment on cocaine- and food-maintained responding under second-order, progressive-ratio and concurrent-choice schedules in rhesus monkeys. *Drug and Alcohol Dependence*, **2004**, 74, 297-309 | 4.9 | 33 |
| 145 | Steric parameters, molecular modeling and hydropathic interaction analysis of the pharmacology of para-substituted methcathinone analogues. *British Journal of Pharmacology*, **2015**, 172, 2210-8 | 8.6 | 32 |
| 144 | Antagonism of the antinociceptive and discriminative stimulus effects of heroin and morphine by 3-methoxynaltrexone and naltrexone in rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **2002**, 302, 264-73 | 4.7 | 32 |
| 143 | Acute and chronic effects of flupenthixol on the discriminative stimulus and reinforcing effects of cocaine in rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **1996**, 278, 879-90 | 4.7 | 32 |
| 142 | Role of phenmetrazine as an active metabolite of phendimetrazine: evidence from studies of drug discrimination and pharmacokinetics in rhesus monkeys. *Drug and Alcohol Dependence*, **2013**, 130, 158-66 | 4.9 | 31 |
| 141 | Interactions between the reinforcing effects of cocaine and heroin in a drug-vs-food choice procedure in rhesus monkeys: a dose-addition analysis. *Psychopharmacology*, **2005**, 180, 115-24 | 4.7 | 31 |
| 140 | Effects of nalfurafine on the reinforcing, thermal antinociceptive, and respiratory-depressant effects of oxycodone: modeling an abuse-deterrent opioid analgesic in rats. *Psychopharmacology*, **2017**, 234, 2597-2605 | 4.7 | 30 |
| 139 | Effects of the triple monoamine uptake inhibitor amitifadine on pain-related depression of behavior and mesolimbic dopamine release in rats. *Pain*, **2015**, 156, 175-184 | 8 | 30 |
| 138 | Dissociable effects of the kappa opioid receptor agonist nalfurafine on pain/itch-stimulated and pain/itch-depressed behaviors in male rats. *Psychopharmacology*, **2018**, 235, 203-213 | 4.7 | 30 |
| 137 | Role of delta opioid efficacy as a determinant of mu/delta opioid interactions in rhesus monkeys. *European Journal of Pharmacology*, **2009**, 602, 92-100 | 5.3 | 30 |
| 136 | Repeated 7-Day Treatment with the 5-HT Agonist Lorcaserin or the 5-HT Antagonist Pimavanserin Alone or in Combination Fails to Reduce Cocaine vs Food Choice in Male Rhesus Monkeys. *Neuropsychopharmacology*, **2017**, 42, 1082-1092 | 8.7 | 29 |
| 135 | Preclinical Assessment of Lisdexamfetamine as an Agonist Medication Candidate for Cocaine Addiction: Effects in Rhesus Monkeys Trained to Discriminate Cocaine or to Self-Administer Cocaine in a Cocaine Versus Food Choice Procedure. *International Journal of Neuropsychopharmacology*, **2015**, 18, | 5.8 | 29 |

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| 134 | Role of delta opioid receptors in the reinforcing and discriminative stimulus effects of cocaine in rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **1995**, 273, 1245-56 | 4.7 | 29 |
| 133 | Stratification of Cannabinoid 1 Receptor (CB1R) Agonist Efficacy: Manipulation of CB1R Density through Use of Transgenic Mice Reveals Congruence between In Vivo and In Vitro Assays. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 359, 329-339 | 4.7 | 28 |
| 132 | Role of μ-opioid receptor reserve and μ-agonist efficacy as determinants of the effects of μ-agonists on intracranial self-stimulation in rats. *Behavioural Pharmacology*, **2012**, 23, 678-92 | 2.4 | 28 |
| 131 | Sex differences in opioid antinociception in rhesus monkeys: antagonism of fentanyl and U50,488 by quadazocine. *Journal of Pain*, **2002**, 3, 218-26 | 5.2 | 28 |
| 130 | Relationship between the discriminative stimulus effects and plasma concentrations of intramuscular cocaine in rhesus monkeys. *Psychopharmacology*, **1995**, 121, 331-8 | 4.7 | 28 |
| 129 | Effects of repeated morphine on intracranial self-stimulation in male rats in the absence or presence of a noxious pain stimulus. *Experimental and Clinical Psychopharmacology*, **2015**, 23, 405-14 | 3.2 | 27 |
| 128 | Effects of the δ-opioid receptor agonist SNC80 on pain-related depression of intracranial self-stimulation (ICSS) in rats. *Journal of Pain*, **2012**, 13, 317-27 | 5.2 | 27 |
| 127 | Effects of mu opioid agonists alone and in combination with cocaine and D-amphetamine in rhesus monkeys trained to discriminate cocaine. *Neuropsychopharmacology*, **1998**, 18, 325-38 | 8.7 | 27 |
| 126 | Decoding the Structure of Abuse Potential for New Psychoactive Substances: Structure-Activity Relationships for Abuse-Related Effects of 4-Substituted Methcathinone Analogs. *Current Topics in Behavioral Neurosciences*, **2017**, 32, 119-131 | 3.4 | 27 |
| 125 | Abuse Potential of Biased Mu Opioid Receptor Agonists. *Trends in Pharmacological Sciences*, **2018**, 39, 916-919 | 13.2 | 27 |
| 124 | Cocaine-like discriminative stimulus effects of alpha-pyrrolidinovalerophenone, methcathinone and their 3,4-methylenedioxy or 4-methyl analogs in rhesus monkeys. *Addiction Biology*, **2017**, 22, 1169-1178 | 4.6 | 26 |
| 123 | Δ9-tetrahydrocannabinol and endocannabinoid degradative enzyme inhibitors attenuate intracranial self-stimulation in mice. *Journal of Pharmacology and Experimental Therapeutics*, **2015**, 352, 195-207 | 4.7 | 26 |
| 122 | Effects of δ-opioid receptor agonists in assays of acute pain-stimulated and pain-depressed behavior in male rats: role of δ-agonist efficacy and noxious stimulus intensity. *Journal of Pharmacology and Experimental Therapeutics*, **2015**, 352, 208-17 | 4.7 | 26 |
| 121 | Antinociceptive interactions between Mu-opioid receptor agonists and the serotonin uptake inhibitor clomipramine in rhesus monkeys: role of Mu agonist efficacy. *Journal of Pharmacology and Experimental Therapeutics*, **2010**, 335, 497-505 | 4.7 | 26 |
| 120 | Medications development for opioid abuse. *Cold Spring Harbor Perspectives in Medicine*, **2013**, 3, a012104 | 5.4 | 25 |
| 119 | Behavioral pharmacology of the mu/delta opioid glycopeptide MMP2200 in rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **2008**, 326, 939-48 | 4.7 | 25 |
| 118 | Expression and pharmacological modulation of visceral pain-induced conditioned place aversion in mice. *Neuropharmacology*, **2016**, 102, 236-43 | 5.5 | 24 |
| 117 | Interaction between behavioral and pharmacological treatment strategies to decrease cocaine choice in rhesus monkeys. *Neuropsychopharmacology*, **2013**, 38, 395-404 | 8.7 | 24 |

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| 116 | Effects of extended cocaine access and cocaine withdrawal on choice between cocaine and food in rhesus monkeys. *Neuropsychopharmacology*, **2010**, 35, 493-504 | 8.7 | 24 |
| 115 | Some implications of receptor theory for in vivo assessment of agonists, antagonists and inverse agonists. *Biochemical Pharmacology*, **2006**, 71, 1663-70 | 6 | 24 |
| 114 | Dissociable effects of the noncompetitive NMDA receptor antagonists ketamine and MK-801 on intracranial self-stimulation in rats. *Psychopharmacology*, **2014**, 231, 2705-16 | 4.7 | 23 |
| 113 | The effect of chronic amphetamine treatment on cocaine-induced facilitation of intracranial self-stimulation in rats. *Psychopharmacology*, **2014**, 231, 2461-70 | 4.7 | 23 |
| 112 | Pharmacological modulation of neuropathic pain-related depression of behavior: effects of morphine, ketoprofen, bupropion and [INCREMENT]9-tetrahydrocannabinol on formalin-induced depression of intracranial self-stimulation in rats. *Behavioural Pharmacology*, **2016**, 27, 364-76 | 2.4 | 23 |
| 111 | Abuse-related effects of □-opioid analgesics in an assay of intracranial self-stimulation in rats: modulation by chronic morphine exposure. *Behavioural Pharmacology*, **2013**, 24, 459-70 | 2.4 | 22 |
| 110 | Effectiveness comparisons of G-protein biased and unbiased mu opioid receptor ligands in warm water tail-withdrawal and drug discrimination in male and female rats. *Neuropharmacology*, **2019**, 150, 200-209 | 5.5 | 21 |
| 109 | Effects of the kappa opioid receptor antagonist nor-binaltorphimine (nor-BNI) on cocaine versus food choice and extended-access cocaine intake in rhesus monkeys. *Addiction Biology*, **2016**, 21, 360-73 | 4.6 | 21 |
| 108 | N-Alkylated Analogs of 4-Methylamphetamine (4-MA) Differentially Affect Monoamine Transporters and Abuse Liability. *Neuropsychopharmacology*, **2017**, 42, 1950-1961 | 8.7 | 20 |
| 107 | Repeated Morphine Produces Sensitization to Reward and Tolerance to Antiallodynia in Male and Female Rats with Chemotherapy-Induced Neuropathy. *Journal of Pharmacology and Experimental Therapeutics*, **2018**, 365, 9-19 | 4.7 | 20 |
| 106 | Modulation of drug choice by extended drug access and withdrawal in rhesus monkeys: Implications for negative reinforcement as a driver of addiction and target for medications development. *Pharmacology Biochemistry and Behavior*, **2018**, 164, 32-39 | 3.9 | 20 |
| 105 | Development of a translational model to screen medications for cocaine use disorder II: Choice between intravenous cocaine and money in humans. *Drug and Alcohol Dependence*, **2016**, 165, 111-9 | 4.9 | 20 |
| 104 | Prostaglandin E2-induced thermal hyperalgesia and its reversal by morphine in the warm-water tail-withdrawal procedure in rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **1993**, 266, 1355-63 | 4.7 | 20 |
| 103 | Effects of Acute and Chronic Treatments with Dopamine D and D Receptor Ligands on Cocaine versus Food Choice in Rats. *Journal of Pharmacology and Experimental Therapeutics*, **2017**, 362, 161-176 | 4.7 | 19 |
| 102 | Evaluation of a Dual Fentanyl/Heroin Vaccine on the Antinociceptive and Reinforcing Effects of a Fentanyl/Heroin Mixture in Male and Female Rats. *ACS Chemical Neuroscience*, **2020**, 11, 1300-1310 | 5.7 | 19 |
| 101 | Utility of Nonhuman Primates in Substance Use Disorders Research. *ILAR Journal*, **2017**, 58, 202-215 | 1.7 | 18 |
| 100 | Behavioral and neurochemical effects of amphetamine analogs that release monoamines in the squirrel monkey. *Pharmacology Biochemistry and Behavior*, **2009**, 94, 278-84 | 3.9 | 18 |
| 99 | Effects of the CRF1 antagonist antalarmin on cocaine self-administration and discrimination in rhesus monkeys. *Pharmacology Biochemistry and Behavior*, **2006**, 85, 744-51 | 3.9 | 18 |

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| 98 | Antinociceptive effects of cocaine/opioid combinations in rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **1995**, 275, 1346-54 | 4.7 | 18 |
| 97 | Effectiveness and selectivity of a heroin conjugate vaccine to attenuate heroin, 6-acetylmorphine, and morphine antinociception in rats: Comparison with naltrexone. *Drug and Alcohol Dependence*, **2019**, 204, 107501 | 4.9 | 17 |
| 96 | Selective enhancement of fentanyl-induced antinociception by the delta agonist SNC162 but not by ketamine in rhesus monkeys: Further evidence supportive of delta agonists as candidate adjuncts to mu opioid analgesics. *Pharmacology Biochemistry and Behavior*, **2010**, 97, 205-12 | 3.9 | 17 |
| 95 | Intermediate efficacy mu opioids: examination of their morphine-like stimulus effects and response rate-decreasing effects in morphine-tolerant rats. *Journal of Pharmacology and Experimental Therapeutics*, **1992**, 263, 668-81 | 4.7 | 17 |
| 94 | Pharmacological validation of a translational model of cocaine use disorder: Effects of d-amphetamine maintenance on choice between intravenous cocaine and a nondrug alternative in humans and rhesus monkeys. *Experimental and Clinical Psychopharmacology*, **2020**, 28, 169-180 | 3.2 | 17 |
| 93 | Determinants of opioid abuse potential: Insights using intracranial self-stimulation. *Peptides*, **2019**, 112, 23-31 | 3.8 | 17 |
| 92 | In a Rat Model of Opioid Maintenance, the G Protein-Biased Mu Opioid Receptor Agonist TRV130 Decreases Relapse to Oxycodone Seeking and Taking and Prevents Oxycodone-Induced Brain Hypoxia. *Biological Psychiatry*, **2020**, 88, 935-944 | 7.9 | 16 |
| 91 | Addressing the Opioid Crisis: The Importance of Choosing Translational Endpoints in Analgesic Drug Discovery. *Trends in Pharmacological Sciences*, **2018**, 39, 327-330 | 13.2 | 16 |
| 90 | Abuse-related neurochemical and behavioral effects of cathinone and 4-methylcathinone stereoisomers in rats. *European Neuropsychopharmacology*, **2016**, 26, 288-297 | 1.2 | 16 |
| 89 | Experimental design and analysis for consideration of sex as a biological variable. *Neuropsychopharmacology*, **2019**, 44, 2159-2162 | 8.7 | 16 |
| 88 | MDAN-21: A Bivalent Opioid Ligand Containing mu-Agonist and Delta-Antagonist Pharmacophores and Its Effects in Rhesus Monkeys. *International Journal of Medicinal Chemistry*, **2012**, 2012, 327257 | 1.7 | 16 |
| 87 | Apparent CB Receptor Rimonabant Affinity Estimates: Combination with THC and Synthetic Cannabinoids in the Mouse In Vivo Triad Model. *Journal of Pharmacology and Experimental Therapeutics*, **2017**, 362, 210-218 | 4.7 | 15 |
| 86 | Effects of acute and repeated dosing of the synthetic cannabinoid CP55,940 on intracranial self-stimulation in mice. *Drug and Alcohol Dependence*, **2015**, 150, 31-7 | 4.9 | 15 |
| 85 | Lorcaserin maintenance fails to attenuate heroin vs. food choice in rhesus monkeys. *Drug and Alcohol Dependence*, **2020**, 208, 107848 | 4.9 | 15 |
| 84 | Application of Receptor Theory to the Design and Use of Fixed-Proportion Mu-Opioid Agonist and Antagonist Mixtures in Rhesus Monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **2018**, 365, 37-47 | 4.7 | 15 |
| 83 | Lack of paclitaxel effects on intracranial self-stimulation in male and female rats: comparison to mechanical sensitivity. *Behavioural Pharmacology*, **2018**, 29, 290-298 | 2.4 | 15 |
| 82 | Development of a translational model to screen medications for cocaine use disorder I: Choice between cocaine and food in rhesus monkeys. *Drug and Alcohol Dependence*, **2016**, 165, 103-10 | 4.9 | 15 |
| 81 | Abuse-related effects of dual dopamine/serotonin releasers with varying potency to release norepinephrine in male rats and rhesus monkeys. *Experimental and Clinical Psychopharmacology*, **2014**, 22, 274-284 | 3.2 | 15 |

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| 80 | Effects of the neuropeptide S receptor antagonist RTI-118 on abuse-related facilitation of intracranial self-stimulation produced by cocaine and methylenedioxypyrovalerone (MDPV) in rats. *European Journal of Pharmacology*, **2014**, 743, 98-105 | 5.3 | 15 |
| 79 | Pharmacokinetic-Pharmacodynamic (PKPD) Analysis with Drug Discrimination. *Current Topics in Behavioral Neurosciences*, **2018**, 39, 245-259 | 3.4 | 15 |
| 78 | Effects of the novel, selective and low-efficacy mu opioid receptor ligand NAQ on intracranial self-stimulation in rats. *Psychopharmacology*, **2015**, 232, 815-24 | 4.7 | 14 |
| 77 | Effects of nicotinic acetylcholine receptor agonists in assays of acute pain-stimulated and pain-depressed behaviors in rats. *Journal of Pharmacology and Experimental Therapeutics*, **2015**, 355, 341-50 | 4.7 | 14 |
| 76 | Effects of heroin and its metabolites on schedule-controlled responding and thermal nociception in rhesus monkeys: sensitivity to antagonism by quadazocine, naltrindole and beta-funaltrexamine. *Drug and Alcohol Dependence*, **2003**, 70, 17-27 | 4.9 | 14 |
| 75 | Comparison of effects produced by nicotine and the 42-selective agonist 5-I-A-85380 on intracranial self-stimulation in rats. *Experimental and Clinical Psychopharmacology*, **2016**, 24, 65-75 | 3.2 | 14 |
| 74 | Effects of 21-day d-amphetamine and risperidone treatment on cocaine vs food choice and extended-access cocaine intake in male rhesus monkeys. *Drug and Alcohol Dependence*, **2016**, 168, 36-44 | 4.9 | 14 |
| 73 | Rate-dependent effects of monoamine releasers on intracranial self-stimulation in rats: implications for abuse liability assessment. *Behavioural Pharmacology*, **2013**, 24, 448-58 | 2.4 | 13 |
| 72 | Testing the 10 most wanted: a preclinical algorithm to screen candidate opioid use disorder medications. *Neuropsychopharmacology*, **2019**, 44, 1011-1012 | 8.7 | 13 |
| 71 | Effects of the monoamine uptake inhibitors RTI-112 and RTI-113 on cocaine- and food-maintained responding in rhesus monkeys. *Pharmacology Biochemistry and Behavior*, **2009**, 91, 333-8 | 3.9 | 12 |
| 70 | Effects of morphine and ketorolac on thermal allodynia induced by prostaglandin E2 and bradykinin in rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics*, **1995**, 274, 805-14 | 4.7 | 12 |
| 69 | Effects of acute and repeated treatment with serotonin 5-HT2A receptor agonist hallucinogens on intracranial self-stimulation in rats. *Experimental and Clinical Psychopharmacology*, **2019**, 27, 215-226 | 3.2 | 12 |
| 68 | Effects of the 2/3-subtype-selective GABAA receptor positive allosteric modulator KRM-II-81 on pain-depressed behavior in rats: comparison with ketorolac and diazepam. *Behavioural Pharmacology*, **2019**, 30, 452-461 | 2.4 | 12 |
| 67 | Oral modafinil facilitates intracranial self-stimulation in rats: comparison with methylphenidate. *Behavioural Pharmacology*, **2017**, 28, 318-322 | 2.4 | 11 |
| 66 | Effects of repeated treatment with methcathinone, mephedrone, and fenfluramine on intracranial self-stimulation in rats. *Psychopharmacology*, **2019**, 236, 1057-1066 | 4.7 | 11 |
| 65 | Amphetamine maintenance differentially modulates effects of cocaine, methylenedioxypyrovalerone (MDPV), and methamphetamine on intracranial self-stimulation and nucleus accumbens dopamine in rats. *Neuropsychopharmacology*, **2018**, 43, 1753-1762 | 8.7 | 11 |
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| 63 | Opposing effects of dopamine D1- and D2-like agonists on intracranial self-stimulation in male rats. *Experimental and Clinical Psychopharmacology*, **2016**, 24, 193-205 | 3.2 | 11 |

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| 62 | Relief of Pain-Depressed Behavior in Rats by Activation of D1-Like Dopamine Receptors. *Journal of Pharmacology and Experimental Therapeutics*, **2017**, 362, 14-23 | 4.7 | 10 |
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| 57 | Effects of N-Alkyl-4-Methylamphetamine Optical Isomers on Plasma Membrane Monoamine Transporters and Abuse-Related Behavior. *ACS Chemical Neuroscience*, **2018**, 9, 1829-1839 | 5.7 | 9 |
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| 55 | Learning from lorcaserin: lessons from the negative clinical trial of lorcaserin to treat cocaine use disorder. *Neuropsychopharmacology*, **2020**, 45, 1967-1973 | 8.7 | 9 |
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| 53 | Role of agonist efficacy in exposure-induced enhancement of mu opioid reward in rats. *Neuropharmacology*, **2019**, 151, 180-188 | 5.5 | 8 |
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| 49 | Interaction between Mu and Delta Opioid Receptor Agonists in an Assay of Capsaicin-Induced Thermal Allodynia in Rhesus Monkeys. *Pain Research and Treatment*, **2012**, 2012, 867067 | 1.9 | 8 |
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| 42 | Sex differences in the effectiveness of buprenorphine to decrease rates of responding in rhesus monkeys. *Behavioural Pharmacology*, **2019**, 30, 358-362 | 2.4 | 6 |
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| 35 | Maintenance on naltrexone+amphetamine decreases cocaine-vs.-food choice in male rhesus monkeys. *Drug and Alcohol Dependence*, **2017**, 181, 85-93 | 4.9 | 4 |
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| 33 | Modulation of delta opioid agonist-induced antinociception by repeated morphine pretreatment in rhesus monkeys. *Life Sciences*, **2010**, 86, 385-92 | 6.8 | 4 |
| 32 | Factors mediating pain-related risk for opioid use disorder. *Neuropharmacology*, **2021**, 186, 108476 | 5.5 | 3 |
| 31 | Cocaine-like discriminative stimulus effects of phendimetrazine and phenmetrazine in rats. *Behavioural Pharmacology*, **2016**, 27, 192-5 | 2.4 | 3 |
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| 27 | Mu, Delta and Kappa Opioid Agonist Effects In Novel Assays of Pain-Depressed Behavior. *ACS Symposium Series*, **2013**, 163-176 | 0.4 | 2 |

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| 26 | Drugs and stimulus control: generalization, discrimination and threshold procedures. *Handbook of Behavioral Neuroscience*, **1993**, 10, 117-145 | | 2 |
| 25 | Preclinical assessment of tramadol abuse potential: Effects of acute and repeated tramadol on intracranial self-stimulation in rats. *Journal of Psychopharmacology*, **2020**, 269881120944153 | 4.6 | 2 |
| 24 | Lack of effect of different pain-related manipulations on opioid self-administration, reinstatement of opioid seeking, and opioid choice in rats. *Psychopharmacology*, **2021**, 238, 1885-1897 | 4.7 | 2 |
| 23 | Temporal parameters of enhanced opioid reward after initial opioid exposure in rats. *Psychopharmacology*, **2021**, 238, 725-734 | 4.7 | 2 |
| 22 | Behavioral Battery for Testing Candidate Analgesics in Mice. II. Effects of Endocannabinoid Catabolic Enzyme Inhibitors and 9-Tetrahydrocannabinol. *Journal of Pharmacology and Experimental Therapeutics*, **2021**, 377, 242-253 | 4.7 | 2 |
| 21 | Confronting the challenge of failed translation in medications development for substance use disorders. *Pharmacology Biochemistry and Behavior*, **2021**, 210, 173264 | 3.9 | 2 |
| 20 | A Strategy to Prioritize Emerging Drugs of Abuse for Analysis: Abuse Liability Testing Using Intracranial Self-Stimulation (ICSS) in Rats and Validation with Pyrrolidinohexanophenone (PHP). *Emerging Trends in Drugs, Addictions, and Health*, **2021**, 1, 100004-100004 | | 2 |
| 19 | Acute pain-related depression of operant responding maintained by social interaction or food in male and female rats.. *Psychopharmacology*, **2022**, 239, 561 | 4.7 | 1 |
| 18 | Novel bivalent ligands carrying potential antinociceptive effects by targeting putative mu opioid receptor and chemokine receptor CXCR4 heterodimers.. *Bioorganic Chemistry*, **2022**, 120, 105641 | 5.1 | 1 |
| 17 | Manipulating Pharmacodynamic Efficacy with Agonist + Antagonist Mixtures: In Vitro and In Vivo Studies with Opioids and Cannabinoids. *Journal of Pharmacology and Experimental Therapeutics*, **2021**, 376, 374-384 | 4.7 | 1 |
| 16 | Lack of effect of the nociceptin opioid peptide agonist Ro 64-6198 on pain-depressed behavior and heroin choice in rats.. *Drug and Alcohol Dependence*, **2021**, 231, 109255 | 4.9 | 1 |
| 15 | Lorcaserin maintenance fails to attenuate heroin vs. food choice in rhesus monkeys | | 1 |
| 14 | Antinociceptive effects of  nicotinic acetylcholine receptor positive allosteric modulators type I and II in models of acute and chronic pain in mice. *FASEB Journal*, **2013**, 27, 886.14 | 0.9 | 1 |
| 13 | Morphine Exacerbates Experimental Colitis-Induced Depression of Nesting in Mice.. *Frontiers in Pain Research*, **2021**, 2, 738499 | 1.4 | 1 |
| 12 | Some effects of putative G-protein biased mu-opioid receptor agonists in male rhesus monkeys. *Behavioural Pharmacology*, **2021**, 32, 453-458 | 2.4 | 0 |
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| 10 | Public Information Service. *Science*, **1962**, 135, 545-547 | 33.3 | |
| 9 | Role of delta receptor efficacy as a determinant of delta/mu opioid interactions in rhesus monkeys. *FASEB Journal*, **2008**, 22, 712.1 | 0.9 | |

# List of Publications

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| 8 | Selective but Slight Enhancement of Delta Agonist-Induced Antinociception by Repeated Morphine in Rhesus Monkeys. *FASEB Journal*, **2009**, 23, 742.7 | 0.9 |
| 7 | Effects of extended access and withdrawal on the reinforcing strength of cocaine using a cocaine vs. food concurrent-choice procedure in rhesus monkeys. *FASEB Journal*, **2009**, 23, 588.10 | 0.9 |
| 6 | Pain-related depression of intracranial self-stimulation in rats: effects of the kappa opioid agonist U69,593 and the kappa opioid antagonist norbinaltorphimine. *FASEB Journal*, **2010**, 24, 765.16 | 0.9 |
| 5 | Effects of chronic amphetamine treatment on cocaine-induced facilitation of intracranial self-stimulation in rats. *FASEB Journal*, **2013**, 27, 1098.4 | 0.9 |
| 4 | Stereoselective effects of methcathinone on intracranial self-stimulation in rats. *FASEB Journal*, **2013**, 27, 1098.2 | 0.9 |
| 3 | Effects of methadone, fentanyl and nalbuphine on intracranial self-stimulation in rats: modulation by morphine exposure. *FASEB Journal*, **2013**, 27, 886.1 | 0.9 |
| 2 | Pain-related depression of the mesolimbic dopamine system in rats. *FASEB Journal*, **2013**, 27, 886.10 | 0.9 |
| 1 | Opioid-like adverse effects of tianeptine in male rats and mice.. *Psychopharmacology*, **2022**, 1 | 4.7 |