# Kathleen M Kantak

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 92 papers | 2,785 citations | 159525 30 h-index | 197736 49 g-index |
| 94 all docs | 94 docs citations | 94 times ranked | 2160 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Efficacy of a therapeutic cocaine vaccine in rodent models. Nature Medicine, 1996, 2, 1129-1132. | 15.2 | 216 |
| 2 | Dissociable Effects of Lidocaine Inactivation of the Rostral and Caudal Basolateral Amygdala on the Maintenance and Reinstatement of Cocaine-Seeking Behavior in Rats. Journal of Neuroscience, 2002, 22, 1126-1136. | 1.7 | 185 |
| 3 | Evaluation of anti-cocaine antibodies and a cocaine vaccine in a rat self-administration model. Psychopharmacology, 2000, 148, 251-262. | 1.5 | 157 |
| 4 | Context-dependent prefrontal cortex regulation of cocaine self-administration and reinstatement behaviors in rats. European Journal of Neuroscience, 2006, 24, 3285-3298. | 1.2 | 96 |
| 5 | D-cycloserine Deters Reacquisition of Cocaine Self-Administration by Augmenting Extinction Learning. Neuropsychopharmacology, 2010, 35, 357-367. | 2.8 | 81 |
| 6 | Methylphenidate Treatment in Adolescent Rats with an Attention Deficit/Hyperactivity Disorder Phenotype: Cocaine Addiction Vulnerability and Dopamine Transporter Function. Neuropsychopharmacology, 2011, 36, 837-847. | 2.8 | 81 |
| 7 | Advancing the spontaneous hypertensive rat model of attention deficit/hyperactivity disorder.. Behavioral Neuroscience, 2008, 122, 340-357. | 0.6 | 78 |
| 8 | Combined pharmacotherapy and cognitive-behavioral therapy for anxiety disorders: Medication effects, glucocorticoids, and attenuated treatment outcomes.. Clinical Psychology: Science and Practice, 2010, 17, 91-103. | 0.6 | 69 |
| 9 | Effects of dietary supplements and a tryptophan-free diet on aggressive behavior in rats. Pharmacology Biochemistry and Behavior, 1980, 12, 173-179. | 1.3 | 65 |
| 10 | Facilitation of shock-induced fighting following intraventricular 5,7-dihydroxytryptamine and 6-hydroxydopa. Psychopharmacology, 1981, 74, 157-160. | 1.5 | 65 |
| 11 | Hippocampal memory system function and the regulation of cocaine self-administration behavior in rats. Behavioural Brain Research, 2004, 151, 225-238. | 1.2 | 65 |
| 12 | Time course of changes in cocaine self-administration behavior in rats during immunization with the cocaine vaccine IPC-1010. Psychopharmacology, 2001, 153, 334-340. | 1.5 | 52 |
| 13 | Vaccines Against Drugs of Abuse. Drugs, 2003, 63, 341-352. | 4.9 | 50 |
| 14 | Interaction of the rostral basolateral amygdala and prelimbic prefrontal cortex in regulating reinstatement of cocaine-seeking behavior. Pharmacology Biochemistry and Behavior, 2010, 96, 347-353. | 1.3 | 47 |
| 15 | Cognitive task performance after lidocaine-induced inactivation of different sites within the basolateral amygdala and dorsal striatum.. Behavioral Neuroscience, 2001, 115, 589-601. | 0.6 | 46 |
| 16 | Cognitive enhancers for facilitating drug cue extinction: Insights from animal models. Pharmacology Biochemistry and Behavior, 2011, 99, 229-244. | 1.3 | 46 |
| 17 | Social, motor, and autonomic signs of morphine withdrawal: differential sensitivities to catecholaminergic drugs in mice. Psychopharmacology, 1988, 96, 468-476. | 1.5 | 45 |
| 18 | Complementary Tasks to Measure Working Memory in Distinct Prefrontal Cortex Subregions in Rats.. Behavioral Neuroscience, 2004, 118, 1042-1051. | 0.6 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Influence of sex, estrous cycle, and drug-onset age on cocaine self-administration in rats (Rattus) Tj ETQq1 1 0.784314 rgBT /Overlock | 1.3 | 41 |
| 20 | Effects of serotonin receptor agonists and antagonists on offensive aggression in mice. Aggressive Behavior, 1987, 13, 87-96. | 1.5 | 39 |
| 21 | The Type IV phosphodiesterase inhibitor rolipram interferes with drug-induced conditioned place preference but not immediate early gene induction in mice. European Journal of Neuroscience, 2004, 19, 2561-2568. | 1.2 | 38 |
| 22 | Hippocampal regulation of contextual cue-induced reinstatement of cocaine-seeking behavior. Pharmacology Biochemistry and Behavior, 2008, 90, 481-491. | 1.3 | 38 |
| 23 | Differential effects of self-administered cocaine in adolescent and adult rats on stimulusâ€“reward learning. Psychopharmacology, 2007, 194, 403-411. | 1.5 | 37 |
| 24 | Adolescent Atomoxetine Treatment in a Rodent Model of ADHD: Effects on Cocaine Self-Administration and Dopamine Transporters in Frontostriatal Regions. Neuropsychopharmacology, 2013, 38, 2588-2597. | 2.8 | 37 |
| 25 | Influence of cocaine self-administration on learning related to prefrontal cortex or hippocampus functioning in rats. Psychopharmacology, 2005, 181, 227-236. | 1.5 | 36 |
| 26 | Cocaine-seeking behavior in a genetic model of attention-deficit/hyperactivity disorder following adolescent methylphenidate or atomoxetine treatments. Drug and Alcohol Dependence, 2014, 140, 25-32. | 1.6 | 36 |
| 27 | Facilitating Complex Trait Analysis via Reduced Complexity Crosses. Trends in Genetics, 2020, 36, 549-562. | 2.9 | 35 |
| 28 | Dietary tryptophan modulation and aggressive behavior in mice. Pharmacology Biochemistry and Behavior, 1980, 12, 675-679. | 1.3 | 34 |
| 29 | Effects of <i>D</i>-Cycloserine Administration on Weekly Nonemotional Memory Tasks in Healthy Participants. Psychotherapy and Psychosomatics, 2009, 78, 49-54. | 4.0 | 32 |
| 30 | Adolescence methylphenidate treatment in a rodent model of attention deficit/hyperactivity disorder: Dopamine transporter function and cellular distribution in adulthood. Biochemical Pharmacology, 2013, 86, 309-316. | 2.0 | 32 |
| 31 | Pharmacological enhancement of drug cue extinction learning: translational challenges. Annals of the New York Academy of Sciences, 2011, 1216, 122-137. | 1.8 | 31 |
| 32 | Performance on a strategy set shifting task during adolescence in a genetic model of attention deficit/hyperactivity disorder: Methylphenidate vs. atomoxetine treatments. Behavioural Brain Research, 2013, 244, 38-47. | 1.2 | 31 |
| 33 | Aggression during morphine withdrawal: Effects of method of withdrawal, fighting experience, and social role. Psychopharmacology, 1986, 90, 451-6. | 1.5 | 30 |
| 34 | Role of dopamine D1 receptors in the prefrontal dorsal agranular insular cortex in mediating cocaine self-administration in rats. Psychopharmacology, 2008, 200, 81-91. | 1.5 | 29 |
| 35 | Stimulus-response functions of the lateral dorsal striatum and regulation of behavior studied in a cocaine maintenance/cue reinstatement model in rats. Psychopharmacology, 2002, 161, 278-287. | 1.5 | 28 |
| 36 | Cocaine-opioid interactions in groups of rats trained to discriminate different doses of cocaine. Psychopharmacology, 1999, 147, 257-265. | 1.5 | 27 |

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|---|---|---|---|
| 37 | Effects of <scp>d</scp>-Cycloserine on Craving to Alcohol Cues in Problem Drinkers: Preliminary Findings. American Journal of Drug and Alcohol Abuse, 2012, 38, 101-107. | 1.1 | 27 |
| 38 | Effects of self-administered cocaine in adolescent and adult male rats on orbitofrontal cortex-related neurocognitive functioning. Psychopharmacology, 2009, 206, 61-71. | 1.5 | 26 |
| 39 | The involvement of type IV phosphodiesterases in cocaine-induced sensitization and subsequent pERK expression in the mouse nucleus accumbens. Psychopharmacology, 2009, 206, 177-185. | 1.5 | 26 |
| 40 | Dissociable effects of cocaineâ€seeking behavior following D<sub>1</sub> receptor activation and blockade within the caudal and rostral basolateral amygdala in rats. European Journal of Neuroscience, 2009, 29, 1641-1653. | 1.2 | 26 |
| 41 | Cognitive task performance after lidocaine-induced inactivation of different sites within the basolateral amygdala and dorsal striatum. Behavioral Neuroscience, 2001, 115, 589-601. | 0.6 | 26 |
| 42 | Effects of persistent cocaine self-administration on amygdala-dependent and dorsal striatum-dependent learning in rats. Psychopharmacology, 2004, 174, 237-45. | 1.5 | 23 |
| 43 | Postconditioning effects of magnesium on cocaine conditioned place preference in mice. Pharmacology Biochemistry and Behavior, 1990, 36, 531-538. | 1.3 | 21 |
| 44 | Medial temporal lobe functioning and structure in the spontaneously hypertensive rat: Comparison with Wistarâ€“Kyoto normotensive and Wistarâ€“Kyoto hypertensive strains. Hippocampus, 2010, 20, 787-797. | 0.9 | 21 |
| 45 | Stimulant-like effects of magnesium on aggression in mice. Pharmacology Biochemistry and Behavior, 1986, 25, 1195-1199. | 1.3 | 20 |
| 46 | Neuronal nitric oxide synthase inhibition decreases cocaine self-administration behavior in rats. Psychopharmacology, 2002, 159, 361-369. | 1.5 | 20 |
| 47 | Anti-cocaine vaccines: antibody protection against relapse. Expert Opinion on Pharmacotherapy, 2003, 4, 213-218. | 0.9 | 20 |
| 48 | Changes in expression of c-Fos protein following cocaine-cue extinction learning. Behavioural Brain Research, 2012, 234, 100-106. | 1.2 | 20 |
| 49 | Adolescent d-amphetamine treatment in a rodent model of ADHD: Pro-cognitive effects in adolescence without an impact on cocaine cue reactivity in adulthood. Behavioural Brain Research, 2016, 297, 165-179. | 1.2 | 20 |
| 50 | Role of the orbitofrontal cortex and dorsal striatum in regulating the dose-related effects of self-administered cocaine. Behavioural Brain Research, 2009, 201, 128-136. | 1.2 | 19 |
| 51 | Performance on a strategy set shifting task in rats following adult or adolescent cocaine exposure. Psychopharmacology, 2014, 231, 4489-4501. | 1.5 | 19 |
| 52 | Methylphenidate treatment beyond adolescence maintains increased cocaine self-administration in the spontaneously hypertensive rat model of attention deficit/hyperactivity disorder. Pharmacology Biochemistry and Behavior, 2015, 131, 51-56. | 1.3 | 19 |
| 53 | Inhibiting glycine transporter-1 facilitates cocaineâ€“cue extinction and attenuates reacquisition of cocaine-seeking behavior. Drug and Alcohol Dependence, 2012, 122, 119-126. | 1.6 | 18 |
| 54 | Environmental enrichment facilitates cocaineâ€cue extinction, deters reacquisition of cocaine selfâ€administration and alters AMPAR GluA1 expression and phosphorylation. Addiction Biology, 2017, 22, 152-162. | 1.4 | 17 |

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|---|---|---|---|
| 55 | Modulation of the Discriminative Stimulus and Rate-Altering Effects of Cocaine by Competitive and Noncompetitive N-Methyl-d-Aspartate Antagonists. Pharmacology Biochemistry and Behavior, 1998, 59, 159-169. | 1.3 | 16 |
| 56 | A Preliminary, Controlled Investigation of Magnesium L-Aspartate Hydrochloride for Illicit Cocaine and Opiate Use in Methadone-Maintained Patients. Journal of Addictive Diseases, 2003, 22, 49-61. | 0.8 | 16 |
| 57 | Involvement of the dorsal subiculum and rostral basolateral amygdala in cocaine cue extinction learning in rats. European Journal of Neuroscience, 2011, 33, 1299-1307. | 1.2 | 16 |
| 58 | Adolescent d-amphetamine treatment in a rodent model of attention deficit/hyperactivity disorder: impact on cocaine abuse vulnerability in adulthood. Psychopharmacology, 2016, 233, 3891-3903. | 1.5 | 16 |
| 59 | Magnesium alters the potency of cocaine and haloperidol on mouse aggression. Psychopharmacology, 1989, 99, 181-188. | 1.5 | 14 |
| 60 | Glycine Transporter-1 Inhibition Preceding Extinction Training Inhibits Reacquisition of Cocaine Seeking. Neuropsychopharmacology, 2012, 37, 2837-2845. | 2.8 | 14 |
| 61 | Impact of medial orbital cortex and medial subthalamic nucleus inactivation, individually and together, on the maintenance of cocaine self-administration behavior in rats. Behavioural Brain Research, 2013, 238, 1-9. | 1.2 | 14 |
| 62 | Effect of methylphenidate treatment during adolescence on norepinephrine transporter function in orbitofrontal cortex in a rat model of attention deficit hyperactivity disorder. Journal of Neuroscience Methods, 2015, 252, 55-63. | 1.3 | 14 |
| 63 | Rodent models of attention-deficit hyperactivity disorder: An updated framework for model validation and therapeutic drug discovery. Pharmacology Biochemistry and Behavior, 2022, 216, 173378. | 1.3 | 14 |
| 64 | Magnesium-induced conditioned place preference in mice. Pharmacology Biochemistry and Behavior, 1990, 36, 539-545. | 1.3 | 13 |
| 65 | Neural regulation of the time course for cocaineâ€cue extinction consolidation in rats. European Journal of Neuroscience, 2013, 37, 269-277. | 1.2 | 13 |
| 66 | Adolescent-onset vs. adult-onset cocaine use: Impact on cognitive functioning in animal models and opportunities for translation. Pharmacology Biochemistry and Behavior, 2020, 196, 172994. | 1.3 | 13 |
| 67 | Effects of nitric oxide synthase inhibitors on the discriminative stimulus effects of cocaine in rats. Psychopharmacology, 2001, 154, 261-273. | 1.5 | 11 |
| 68 | Aggression-altering effects of cyclic AMP. Neuropharmacology, 1981, 20, 79-82. | 2.0 | 10 |
| 69 | Regional changes in monoamines and metabolites following defensive aggression in the rat. Brain Research Bulletin, 1984, 12, 227-232. | 1.4 | 10 |
| 70 | Effects of dopamine D1 receptor blockade in the prelimbic prefrontal cortex or lateral dorsal striatum on frontostriatal function in Wistar and Spontaneously Hypertensive Rats. Behavioural Brain Research, 2014, 268, 229-238. | 1.2 | 10 |
| 71 | Enhancement of apomorphine and l-amphetamine-induced behaviors by magnesium. Pharmacology Biochemistry and Behavior, 1990, 36, 29-33. | 1.3 | 8 |
| 72 | Predicting substance use disorder using long-term attention deficit hyperactivity disorder medication records in Truven. Health Informatics Journal, 2020, 26, 787-802. | 1.1 | 8 |

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|---|---|---|---|
| 73 | Magnesium-maintained self-administration responding in cocaine-trained rats. Psychopharmacology, 1991, 104, 527-535. | 1.5 | 7 |
| 74 | Spontaneously Hypertensive Rat substrains show differences in model traits for addiction risk and cocaine self-administration: Implications for a novel rat reduced complexity cross. Behavioural Brain Research, 2021, 411, 113406. | 1.2 | 7 |
| 75 | Stimulant-Associated Cognitive Abnormalities: Mechanisms and Impact on Reward-Related Behavior and Addiction. Drug and Alcohol Dependence, 2008, 97, 276-280. | 1.6 | 6 |
| 76 | Necessity for research directed at stimulant type and treatment-onset age to access the impact of medication on drug abuse vulnerability in teenagers with ADHD. Pharmacology Biochemistry and Behavior, 2016, 145, 24-26. | 1.3 | 5 |
| 77 | Facilitative effects of environmental enrichment for cocaine relapse prevention are dependent on extinction training context and involve increased TrkB signaling in dorsal hippocampus and ventromedial prefrontal cortex. Behavioural Brain Research, 2020, 386, 112596. | 1.2 | 5 |
| 78 | Integrating data science into the translational science research spectrum: A substance use disorder case study. Journal of Clinical and Translational Science, 2021, 5, e29. | 0.3 | 5 |
| 79 | Failure of magnesium to maintain self-administration in cocaine-naive rats. Pharmacology Biochemistry and Behavior, 1990, 36, 9-12. | 1.3 | 4 |
| 80 | Acute and multiple injection effects of magnesium of responding maintained by cocaine, extinction from cocaine, glucose + saccharin, and food. Pharmacology Biochemistry and Behavior, 1992, 41, 415-423. | 1.3 | 4 |
| 81 | Ethanol vapor self-administration in adult C57BL/6J male mice. Drug and Alcohol Dependence, 2007, 86, 123-131. | 1.6 | 4 |
| 82 | Blockade of Î±2-adrenergic receptors in prelimbic cortex: impact on cocaine self-administration in adult spontaneously hypertensive rats following adolescent atomoxetine treatment. Psychopharmacology, 2017, 234, 2897-2909. | 1.5 | 4 |
| 83 | Cocaine reward and memory after chemogenetic inhibition of distinct serotonin neuron subtypes in mice. Psychopharmacology, 2020, 237, 2633-2648. | 1.5 | 4 |
| 84 | Aging-induced microbleeds of the mouse thalamus compared to sensorimotor and memory defects. Neurobiology of Aging, 2021, 100, 39-47. | 1.5 | 4 |
| 85 | Influence of cyclic GMP on rodent aggressive behavior. Life Sciences, 1981, 29, 1379-1385. | 2.0 | 3 |
| 86 | Predicting Substance Use Disorder in ADHD Patients using Long-Short Term Memory Model. , 2018, 2018, 49-50. | | 3 |
| 87 | Role of preexisting inhibitory control deficits vs. drug use history in mediating insensitivity to aversive consequences in a rat model of polysubstance use. Psychopharmacology, 2022, 239, 2377-2394. | 1.5 | 3 |
| 88 | Cognitive enhancers for the treatment of neuropsychiatric disorders: Clinical and preclinical investigations. Pharmacology Biochemistry and Behavior, 2011, 99, 113-115. | 1.3 | 1 |
| 89 | Sex differences in the effects of a combined behavioral and pharmacological treatment strategy for cocaine relapse prevention in an animal model of cue exposure therapy. Behavioural Brain Research, 2020, 395, 112839. | 1.2 | 1 |
| 90 | Modification of the Discriminative Stimulus Effects of Cocaine by the Nitric Oxide Synthase Inhibitor L-NAME. Annals of the New York Academy of Sciences, 2006, 909, 265-266. | 1.8 | 0 |

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|---|---|---|---|
| 91 | Closing Thoughts for Cognitive Enhancement. Handbook of Experimental Pharmacology, 2015, 228, 451-459. | 0.9 | 0 |
| 92 | Preface to cognitive enhancement. Handbook of Experimental Pharmacology, 2015, 228, v. | 0.9 | 0 |