

# F Ivy Carroll

## List of Publications by Citations

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289  
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52  
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295  
ext. papers

10,064  
ext. citations

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L-index

#	Paper	IF	Citations
289	Structure of the human $\mu$ opioid receptor in complex with JDTic. <i>Nature</i> , <b>2012</b> , 485, 327-32	50.4	695
288	Cocaine receptor: biochemical characterization and structure-activity relationships of cocaine analogues at the dopamine transporter. <i>Journal of Medicinal Chemistry</i> , <b>1992</b> , 35, 969-81	8.3	275
287	Differential effects of the novel kappa opioid receptor antagonist, JDTic, on reinstatement of cocaine-seeking induced by footshock stressors vs cocaine primes and its antidepressant-like effects in rats. <i>Psychopharmacology</i> , <b>2005</b> , 183, 118-26	4.7	236
286	Pharmacotherapies for treatment of cocaine abuse: preclinical aspects. <i>Journal of Medicinal Chemistry</i> , <b>1999</b> , 42, 2721-36	8.3	219
285	Structure of the Nanobody-Stabilized Active State of the Kappa Opioid Receptor. <i>Cell</i> , <b>2018</b> , 172, 55-67.e15	36.2	205
284	Anxiolytic-like effects of kappa-opioid receptor antagonists in models of unlearned and learned fear in rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 323, 838-45	4.7	196
283	High-affinity binding of [125I]RTI-55 to dopamine and serotonin transporters in rat brain. <i>Synapse</i> , <b>1992</b> , 12, 27-36	2.4	195
282	Cocaine and 3 beta-(4Q-substituted phenyl)tropane-2 beta-carboxylic acid ester and amide analogues. New high-affinity and selective compounds for the dopamine transporter. <i>Journal of Medicinal Chemistry</i> , <b>1995</b> , 38, 379-88	8.3	187
281	Synthesis, ligand binding, QSAR, and CoMFA study of 3 beta-(p-substituted phenyl)tropane-2 beta-carboxylic acid methyl esters. <i>Journal of Medicinal Chemistry</i> , <b>1991</b> , 34, 2719-25	8.3	181
280	Enantioselective effects of hydroxy metabolites of bupropion on behavior and on function of monoamine transporters and nicotinic receptors. <i>Molecular Pharmacology</i> , <b>2004</b> , 66, 675-82	4.3	175
279	Development of $\mu$ opioid receptor antagonists. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 2178-95	8.3	120
278	3-Aryl-2-(3Q-substituted-1,2,4Q-oxadiazol-5Q-yl)tropane analogues of cocaine: affinities at the cocaine binding site at the dopamine, serotonin, and norepinephrine transporters. <i>Journal of Medicinal Chemistry</i> , <b>1993</b> , 36, 2886-90	8.3	106
277	Designer drugs: a medicinal chemistry perspective. <i>Annals of the New York Academy of Sciences</i> , <b>2012</b> , 1248, 18-38	6.5	104
276	Kappa opioid receptor signaling in the basolateral amygdala regulates conditioned fear and anxiety in rats. <i>Biological Psychiatry</i> , <b>2011</b> , 70, 425-33	7.9	103
275	Synthesis, ligand binding, and QSAR (CoMFA and classical) study of 3 beta-(3Q-substituted phenyl)-, 3 beta-(4Q-substituted phenyl)-, and 3 beta-(3,4Q-disubstituted phenyl)tropane-2 beta-carboxylic acid methyl esters. <i>Journal of Medicinal Chemistry</i> , <b>1994</b> , 37, 2865-73	8.3	103
274	Synthesis and biological evaluation of bupropion analogues as potential pharmacotherapies for cocaine addiction. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 6768-81	8.3	100
273	Identification of the first trans-(3R,4R)- dimethyl-4-(3-hydroxyphenyl)piperidine derivative to possess highly potent and selective opioid kappa receptor antagonist activity. <i>Journal of Medicinal Chemistry</i> , <b>2001</b> , 44, 2687-90	8.3	100

272	Duration of action of a broad range of selective $\mu$ opioid receptor antagonists is positively correlated with c-Jun N-terminal kinase-1 activation. <i>Molecular Pharmacology</i> , <b>2011</b> , 80, 920-9	4.3	88
271	Secondary amine analogues of 3 beta-(4-substituted phenyl)tropane-2 beta-carboxylic acid esters and N-norcocaine exhibit enhanced affinity for serotonin and norepinephrine transporters. <i>Journal of Medicinal Chemistry</i> , <b>1994</b> , 37, 1220-3	8.3	85
270	The kappa opioid receptor antagonist JDTC attenuates alcohol seeking and withdrawal anxiety. <i>Addiction Biology</i> , <b>2012</b> , 17, 634-47	4.6	79
269	In vivo imaging of dopamine reuptake sites in the primate brain using single photon emission computed tomography (SPECT) and iodine-123 labeled RTI-55. <i>Synapse</i> , <b>1992</b> , 10, 169-72	2.4	78
268	2002 Medicinal Chemistry Division Award address: monoamine transporters and opioid receptors. Targets for addiction therapy. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 1775-94	8.3	77
267	Synthesis, nicotinic acetylcholine receptor binding, and antinociceptive properties of 2-exo-2-(2-substituted 5-pyridinyl)-7-azabicyclo[2.2.1]heptanes. Epibatidine analogues. <i>Journal of Medicinal Chemistry</i> , <b>2001</b> , 44, 2229-37	8.3	76
266	Isopropyl and phenyl esters of 3 beta-(4-substituted phenyl)tropan-2 beta-carboxylic acids. Potent and selective compounds for the dopamine transporter. <i>Journal of Medicinal Chemistry</i> , <b>1992</b> , 35, 2497-500	8.3	75
265	2 beta-substituted analogues of cocaine. Synthesis and inhibition of binding to the cocaine receptor. <i>Journal of Medicinal Chemistry</i> , <b>1992</b> , 35, 135-40	8.3	73
264	Identification of (3R)-7-hydroxy-N-((1S)-1-(((3R,4R)-4-(3-hydroxyphenyl)-3,4-dimethyl-1-piperidinyl)methyl)-2-methylpropyl)-1,2,3,4-tetrahydro-3-isoquinolinecarboxamide as a novel potent and selective opioid kappa receptor antagonist. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 3127-37	8.3	72
263	Synthesis and ligand binding of cocaine isomers at the cocaine receptor. <i>Journal of Medicinal Chemistry</i> , <b>1991</b> , 34, 883-6	8.3	72
262	Positive allosteric modulation of the human cannabinoid (CB) receptor by RTI-371, a selective inhibitor of the dopamine transporter. <i>British Journal of Pharmacology</i> , <b>2009</b> , 156, 1178-84	8.6	70
261	Enantiomeric N-substituted N-normetazocines: a comparative study of affinities at sigma, PCP, and mu opioid receptors. <i>Journal of Medicinal Chemistry</i> , <b>1992</b> , 35, 2812-8	8.3	68
260	Role of kappa-opioid receptors in the effects of salvinorin A and ketamine on attention in rats. <i>Psychopharmacology</i> , <b>2010</b> , 210, 263-74	4.7	67
259	Rate of binding of various inhibitors at the dopamine transporter in vivo. <i>Psychopharmacology</i> , <b>1995</b> , 119, 376-84	4.7	66
258	Epibatidine structure-activity relationships. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 1889-96	9.9	65
257	Synthesis, ligand binding, and quantitative structure-activity relationship study of 3 beta-(4-substituted phenyl)-2 beta-heterocyclic tropanes: evidence for an electrostatic interaction at the 2 beta-position. <i>Journal of Medicinal Chemistry</i> , <b>1996</b> , 39, 2753-63	8.3	65
256	Fluoro-norchloroepibatidine: preclinical assessment of acute toxicity. <i>Nuclear Medicine and Biology</i> , <b>1997</b> , 24, 743-7	2.1	64
255	Effects of combined dopamine and serotonin transporter inhibitors on cocaine self-administration in rhesus monkeys. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 320, 757-65	4.7	64

254	Effects of murine-derived anti-methamphetamine monoclonal antibodies on (+)-methamphetamine self-administration in the rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2004</b> , 309, 1248-55	4.7	64
253	Mapping nicotinic acetylcholine receptors with PET. <i>Synapse</i> , <b>1996</b> , 24, 403-7	2.4	64
252	Dopamine transporter ligands: recent developments and therapeutic potential. <i>Current Topics in Medicinal Chemistry</i> , <b>2006</b> , 6, 1825-43	3	63
251	Mapping dopamine transporters in the human brain with novel selective cocaine analog [125I]RTI-121. <i>Synapse</i> , <b>1995</b> , 21, 364-72	2.4	62
250	Emergence and properties of spice and bath salts: a medicinal chemistry perspective. <i>Life Sciences</i> , <b>2014</b> , 97, 9-19	6.8	60
249	Bupropion increases striatal vesicular monoamine transport. <i>Neuropharmacology</i> , <b>2005</b> , 49, 820-30	5.5	60
248	In vivo binding of [125I]RTI-55 to dopamine transporters: pharmacology and regional distribution with autoradiography. <i>Synapse</i> , <b>1992</b> , 12, 37-46	2.4	60
247	Generation of anti-(+)methamphetamine antibodies is not impeded by (+)methamphetamine administration during active immunization of rats. <i>International Immunopharmacology</i> , <b>2001</b> , 1, 329-38	5.8	58
246	Identification of an opioid kappa receptor subtype-selective N-substituent for (+)-(3R,4R)-dimethyl-4-(3-hydroxyphenyl)piperidine. <i>Journal of Medicinal Chemistry</i> , <b>1998</b> , 41, 5188-97	8.3	58
245	Structurally distinct nicotine immunogens elicit antibodies with non-overlapping specificities. <i>Biochemical Pharmacology</i> , <b>2012</b> , 83, 543-50	6	55
244	Synthesis and nicotinic acetylcholine receptor binding properties of exo-2-(2-fluoro-5-pyridinyl)-7-azabicyclo-[2.2.1]heptane: a new positron emission tomography ligand for nicotinic receptors. <i>Journal of Medicinal Chemistry</i> , <b>1997</b> , 40, 2293-5	8.3	55
243	Effects of dopamine transporter inhibitors on cocaine self-administration in rhesus monkeys: relationship to transporter occupancy determined by positron emission tomography neuroimaging. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2004</b> , 309, 959-69	4.7	55
242	Self-administration of cocaine and the cocaine analog RTI-113: relationship to dopamine transporter occupancy determined by PET neuroimaging in rhesus monkeys. <i>Synapse</i> , <b>2002</b> , 43, 78-85	2.4	55
241	Probes for the cocaine receptor. Potentially irreversible ligands for the dopamine transporter. <i>Journal of Medicinal Chemistry</i> , <b>1992</b> , 35, 1813-7	8.3	55
240	Using hapten design to discover therapeutic monoclonal antibodies for treating methamphetamine abuse. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 322, 30-9	4.7	54
239	Kappa Opioid Receptors Drive a Tonic Aversive Component of Chronic Pain. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 4162-4178	6.6	53
238	Effects of Chronic Social Defeat Stress on Sleep and Circadian Rhythms Are Mitigated by Kappa-Opioid Receptor Antagonism. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 7656-7668	6.6	53
237	Synthesis and transporter binding properties of 3 beta-(4-alkyl-, 4-alkenyl-, and 4-alkynylphenyl)nortropane-2 beta-carboxylic acid methyl esters: serotonin transporter selective analogs. <i>Journal of Medicinal Chemistry</i> , <b>1996</b> , 39, 4027-35	8.3	51

236	Nanobody-enabled monitoring of kappa opioid receptor states. <i>Nature Communications</i> , <b>2020</b> , 11, 1145	17.4	50
235	Effects of ketoprofen, morphine, and kappa opioids on pain-related depression of nesting in mice. <i>Pain</i> , <b>2015</b> , 156, 1153-1160	8	50
234	Antagonists at metabotropic glutamate receptor subtype 5: structure activity relationships and therapeutic potential for addiction. <i>Annals of the New York Academy of Sciences</i> , <b>2008</b> , 1141, 221-32	6.5	48
233	Comparative studies of epibatidine derivatives [18F]NFEP and [18F]N-methyl-NFEP: kinetics, nicotine effect, and toxicity. <i>Nuclear Medicine and Biology</i> , <b>1999</b> , 26, 139-48	2.1	48
232	Effects of the kappa opioid receptor antagonist, norbinaltorphimine, on stress and drug-induced reinstatement of nicotine-conditioned place preference in mice. <i>Psychopharmacology</i> , <b>2013</b> , 226, 763-8	4.7	47
231	Faster onset and dopamine transporter selectivity predict stimulant and reinforcing effects of cocaine analogs in squirrel monkeys. <i>Pharmacology Biochemistry and Behavior</i> , <b>2007</b> , 86, 45-54	3.9	47
230	Synthesis, nicotinic acetylcholine receptor binding, and antinociceptive properties of 2-exo-2-(2,3-disubstituted 5-pyridinyl)-7-azabicyclo[2.2.1]heptanes: epibatidine analogues. <i>Journal of Medicinal Chemistry</i> , <b>2002</b> , 45, 4755-61	8.3	47
229	[125I]RTI-55 binding to cocaine-sensitive dopaminergic and serotonergic uptake sites in the human brain. <i>Journal of Neurochemistry</i> , <b>1993</b> , 61, 1996-2006	6	45
228	3 Beta-(4-ethyl-3-iodophenyl)nortropane-2 beta-carboxylic acid methyl ester as a high-affinity selective ligand for the serotonin transporter. <i>Journal of Medicinal Chemistry</i> , <b>1997</b> , 40, 3861-4	8.3	43
227	Corticotropin-releasing factor (CRF)-induced disruption of attention in rats is blocked by the kappa opioid receptor antagonist JD1c. <i>Neuropsychopharmacology</i> , <b>2012</b> , 37, 2809-16	8.7	42
226	Bupropion and bupropion analogs as treatments for CNS disorders. <i>Advances in Pharmacology</i> , <b>2014</b> , 69, 177-216	5.7	41
225	Synthesis of mercapto-(+)-methamphetamine haptens and their use for obtaining improved epitope density on (+)-methamphetamine conjugate vaccines. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 5221-8	8.3	40
224	Synthesis, nicotinic acetylcholine receptor binding, and antinociceptive properties of 2-exo-2-(2,3-disubstituted-3-phenyl-5-pyridinyl)-7-azabicyclo[2.2.1]heptanes. Novel nicotinic antagonist. <i>Journal of Medicinal Chemistry</i> , <b>2001</b> , 44, 4039-41	8.3	40
223	Synthesis, nicotinic acetylcholine receptor binding, and antinociceptive properties of 2-fluoro-3-(substituted phenyl)deschloroepibatidine analogues. Novel nicotinic antagonist. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 4588-94	8.3	39
222	Relationship between rate of drug uptake in brain and behavioral pharmacology of monoamine transporter inhibitors in rhesus monkeys. <i>Pharmacology Biochemistry and Behavior</i> , <b>2008</b> , 90, 453-62	3.9	38
221	Investigation of the N-substituent conformation governing potency and mu receptor subtype-selectivity in (+)-(3R, 4R)-dimethyl-4-(3-hydroxyphenyl)piperidine opioid antagonists. <i>Journal of Medicinal Chemistry</i> , <b>1998</b> , 41, 1980-90	8.3	38
220	A Double-Blind, Placebo-Controlled Trial to Evaluate the Safety, Tolerability, and Pharmacokinetics of Single, Escalating Oral Doses of JD1c. <i>Neuropsychopharmacology</i> , <b>2015</b> , 40, 2059-65	8.7	37
219	Synthesis, monoamine transporter binding properties, and behavioral pharmacology of a series of 3beta-(substituted phenyl)-2beta-(3-substituted isoxazol-5-yl)tropanes. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 296-302	8.3	37

218	The long-lasting effects of JD <sub>Tic</sub> , a kappa opioid receptor antagonist, on the expression of ethanol-seeking behavior and the relapse drinking of female alcohol-preferring (P) rats. <i>Pharmacology Biochemistry and Behavior</i> , <b>2012</b> , 101, 581-7	3.9	36
217	Effects of hydroxymetabolites of bupropion on nicotine dependence behavior in mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2010</b> , 334, 1087-95	4.7	36
216	Synthesis and characterization of in vitro and in vivo profiles of hydroxybupropion analogues: aids to smoking cessation. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 4731-48	8.3	36
215	N-substituted phenyltropanes as in vivo binding ligands for rapid imaging studies of the dopamine transporter. <i>Synapse</i> , <b>1997</b> , 25, 345-9	2.4	36
214	Safety and efficacy of an oxycodone vaccine: Addressing some of the unique considerations posed by opioid abuse. <i>PLoS ONE</i> , <b>2017</b> , 12, e0184876	3.7	35
213	Vaccination protects rats from methamphetamine-induced impairment of behavioral responding for food. <i>Vaccine</i> , <b>2013</b> , 31, 4596-602	4.1	35
212	Synthesis and biological evaluation of bupropion analogues as potential pharmacotherapies for smoking cessation. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 2204-14	8.3	35
211	Kappa opioid mediation of cannabinoid effects of the potent hallucinogen, salvinorin A, in rodents. <i>Psychopharmacology</i> , <b>2010</b> , 210, 275-84	4.7	35
210	Effectiveness of analogs of the kappa opioid receptor antagonist (3R)-7-hydroxy-N-((1S)-1-[(3R,4R)-4-(3-hydroxyphenyl)-3,4-dimethyl-1-piperidinyl]methyl)-2-methylpropyl)-1,2,3,4-tetrahydroisoquinoline-3-carboxamide (JD <sub>Tic</sub> ) to reduce U50,488-induced diuresis and stress-induced cocaine reinstatement in rats. <i>Psychopharmacology</i> , <b>2010</b> , 210, 189-98	4.7	35
209	Dopamine transporter synthesis and degradation rate in rat striatum and nucleus accumbens using RTI-76. <i>Neuropharmacology</i> , <b>2000</b> , 39, 578-85	5.5	35
208	Monoamine transporter binding, locomotor activity, and drug discrimination properties of 3-(4-substituted-phenyl)tropane-2-carboxylic acid methyl ester isomers. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 6401-9	8.3	34
207	Effects of pyridine ring substitutions on affinity, efficacy, and subtype selectivity of neuronal nicotinic receptor agonist epibatidine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2002</b> , 302, 1246-52	4.7	34
206	3 alpha-(4-substituted phenyl)tropane-2 beta-carboxylic acid methyl esters: novel ligands with high affinity and selectivity at the dopamine transporter. <i>Journal of Medicinal Chemistry</i> , <b>1996</b> , 39, 4139-41	8.3	33
205	Highly potent cocaine analogs cause long-lasting increases in locomotor activity. <i>European Journal of Pharmacology</i> , <b>1996</b> , 311, 109-14	5.3	33
204	Development of the dopamine transporter selective RTI-336 as a pharmacotherapy for cocaine abuse. <i>AAPS Journal</i> , <b>2006</b> , 8, E196-203	3.7	32
203	Effects of JD <sub>Tic</sub> , a selective kappa-opioid receptor antagonist, on the development and expression of physical dependence on morphine using a rat continuous-infusion model. <i>European Journal of Pharmacology</i> , <b>2005</b> , 524, 89-94	5.3	32
202	Opioid peptide receptor studies, 11: involvement of Tyr148, Trp318 and His319 of the rat mu-opioid receptor in binding of mu-selective ligands. <i>Synapse</i> , <b>1999</b> , 32, 23-8	2.4	32
201	Dissociable effects of the kappa opioid receptor agonist nalfurafine on pain/itch-stimulated and pain/itch-depressed behaviors in male rats. <i>Psychopharmacology</i> , <b>2018</b> , 235, 203-213	4.7	30

200	Opioid peptide receptor studies. 14. Stereochemistry determines agonist efficacy and intrinsic efficacy in the [(35S)]GTP-gamma-S functional binding assay. <i>Synapse</i> , <b>2001</b> , 39, 64-9	2.4	30
199	N-Substituted 9beta-methyl-5-(3-hydroxyphenyl)morphans are opioid receptor pure antagonists. <i>Journal of Medicinal Chemistry</i> , <b>1998</b> , 41, 4143-9	8.3	30
198	Enantiomers of diastereomeric cis-N-[1-(2-hydroxy-2-phenylethyl)-3-methyl-4-piperidyl]-N-phenylpropanamides: synthesis, X-ray analysis, and biological activities. <i>Journal of Medicinal Chemistry</i> , <b>1995</b> , 38, 1547-57	8.3	30
197	Development of imaging agents for the dopamine transporter. <i>Medicinal Research Reviews</i> , <b>1995</b> , 15, 419-44	14.4	30
196	Agonist-, antagonist-, and inverse agonist-regulated trafficking of the delta-opioid receptor correlates with, but does not require, G protein activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2001</b> , 298, 1015-20	4.7	30
195	RTI-113 administration reduces cocaine self-administration at high occupancy of dopamine transporter. <i>Synapse</i> , <b>1998</b> , 30, 49-55	2.4	29
194	Synthesis and nicotinic acetylcholine receptor binding properties of bridged and fused ring analogues of epibatidine. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 6383-91	8.3	29
193	Quantitative Signaling and Structure-Activity Analyses Demonstrate Functional Selectivity at the Nociceptin/Orphanin FQ Opioid Receptor. <i>Molecular Pharmacology</i> , <b>2015</b> , 88, 502-11	4.3	28
192	Synthesis of [18F]norchlorofluoroepibatidine and its N-methyl derivative: new PET ligands for mapping nicotinic acetylcholine receptors. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1997</b> , 39, 827-832	1.9	28
191	A reduced rate of in vivo dopamine transporter binding is associated with lower relative reinforcing efficacy of stimulants. <i>Neuropsychopharmacology</i> , <b>2006</b> , 31, 351-62	8.7	28
190	Synthesis, nicotinic acetylcholine receptor binding, and antinociceptive properties of 3- <i>Q</i> -substituted deschloroepibatidine analogues. Novel nicotinic antagonists. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 1221-8	8.3	28
189	Synthesis and pharmacological characterization of [(125)I]iodomethyllycaconitine ([[(125)I]iodo-MLA). A new ligand for the alpha(7) nicotinic acetylcholine receptor. <i>Journal of Medicinal Chemistry</i> , <b>2000</b> , 43, 142-5	8.3	28
188	Facile synthesis of (E)-, (+)-, and (-)-galanthamine. <i>Journal of Heterocyclic Chemistry</i> , <b>1995</b> , 32, 195-199	1.9	28
187	Synthesis of (+) and (E)Epibatidine. <i>Synthetic Communications</i> , <b>1995</b> , 25, 63-71	1.7	28
186	High potency cocaine analogs: neurochemical, imaging, and behavioral studies. <i>Annals of the New York Academy of Sciences</i> , <b>1992</b> , 654, 282-91	6.5	28
185	An improved synthesis of galanthamine. <i>Journal of Heterocyclic Chemistry</i> , <b>1988</b> , 25, 1809-1811	1.9	28
184	Opioid Dose- and Route-Dependent Efficacy of Oxycodone and Heroin Vaccines in Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2018</b> , 365, 346-353	4.7	27
183	Functional and biological determinants affecting the duration of action and efficacy of anti-(+)-methamphetamine monoclonal antibodies in rats. <i>Vaccine</i> , <b>2009</b> , 27, 7011-20	4.1	27

182	The synthesis of haptens and their use for the development of monoclonal antibodies for treating methamphetamine abuse. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 7301-9	8.3	27
181	In vitro and ex vivo autoradiographic studies of nicotinic acetylcholine receptors using [18F]fluoronocholepipatidine in rodent and human brain. <i>Nuclear Medicine and Biology</i> , <b>1998</b> , 25, 449-54	2.1	27
180	Pharmacological characterization of nicotine interaction with cocaine and cocaine analogs. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>1999</b> , 289, 1229-36	4.7	27
179	In vivo interactions between $\alpha 7$ nicotinic acetylcholine receptor and nuclear peroxisome proliferator-activated receptor- $\beta$ : Implication for nicotine dependence. <i>Neuropharmacology</i> , <b>2017</b> , 118, 38-45	5.5	26
178	Importance of phenolic address groups in opioid kappa receptor selective antagonists. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 1070-3	8.3	25
177	Discovery of an opioid kappa receptor selective pure antagonist from a library of N-substituted 4beta-methyl-5-(3-hydroxyphenyl)morphans. <i>Journal of Medicinal Chemistry</i> , <b>2002</b> , 45, 3524-30	8.3	25
176	Isothiocyanate derivatives of cocaine: irreversible inhibition of ligand binding at the dopamine transporter. <i>Molecular Pharmacology</i> , <b>1991</b> , 39, 339-45	4.3	25
175	Synthesis and nicotinic acetylcholine receptor in vitro and in vivo pharmacological properties of 2-fluoro-3-(substituted phenyl)deschloroepibatidine analogues of 2-fluoro-3-(4-nitrophenyl)deschloroepibatidine. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 6512-22	8.3	24
174	Synthesis and sigma binding properties of 2-substituted 5,9 alpha-dimethyl-6,7-benzomorphans. <i>Journal of Medicinal Chemistry</i> , <b>1995</b> , 38, 2978-85	8.3	24
173	In vivo labeling of neuronal nicotinic acetylcholine receptors with radiolabeled isomers of norchloroepibatidine. <i>NeuroReport</i> , <b>1995</b> , 6, 2483-8	1.7	24
172	Dopamine transporter imaging with novel, selective cocaine analogs. <i>NeuroReport</i> , <b>1992</b> , 3, 969-72	1.7	24
171	A practical synthesis of (+)-cocaine. <i>Journal of Heterocyclic Chemistry</i> , <b>1987</b> , 24, 19-21	1.9	24
170	Effects of orally-bioavailable short-acting kappa opioid receptor-selective antagonist LY2456302 on nicotine withdrawal in mice. <i>Neuropharmacology</i> , <b>2015</b> , 97, 270-4	5.5	23
169	Combining Active Immunization with Monoclonal Antibody Therapy To Facilitate Early Initiation of a Long-Acting Anti-Methamphetamine Antibody Response. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 4665-77	8.3	23
168	Analogues of (3R)-7-hydroxy-N-[(1S)-1-[(3R,4R)-4-(3-hydroxyphenyl)-3,4-dimethyl-1-piperidinyl]methyl]-2-methylpropyl]-1,2,3,4-tetrahydroisoquinoline (JDTic). Synthesis and in vitro and in vivo opioid receptor antagonist activity. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 5290-301	8.3	23
167	Synthesis and ligand binding study of 3 beta-(4-substituted phenyl)-2 beta-(heterocyclic)tropanes. <i>Journal of Medicinal Chemistry</i> , <b>1995</b> , 38, 3451-3	8.3	23
166	Synthesis and in vivo studies of a selective ligand for the dopamine transporter: 3 beta-(4-[125I]iodophenyl) tropan-2 beta-carboxylic acid isopropyl ester ([125I]RTI-121). <i>Nuclear Medicine and Biology</i> , <b>1996</b> , 23, 277-84	2.1	23
165	Neutral antagonist activity of naltrexone and 6beta-naltrexol in naive and opioid-dependent C6 cells expressing a mu-opioid receptor. <i>British Journal of Pharmacology</i> , <b>2009</b> , 156, 1044-53	8.6	22



164	Cocaine self-administration and locomotor activity are altered in Lewis and F344 inbred rats by RTI 336, a 3-phenyltropane analog that binds to the dopamine transporter. <i>Brain Research</i> , <b>2005</b> , 1055, 186-95	3.7	22
163	Design, synthesis, and biological evaluation of (3R)-1,2,3,4-tetrahydro-7-hydroxy-N-[(1S)-1-[[[(3R,4R)-4-(3-hydroxyphenyl)-3,4-dimethyl-1-piperidinyl]methyl]-2-methylpropyl]-1,2,3,4-tetrahydroisoquinoline-3-carboxamide] (JDTic) analogues: in vitro pharmacology and ADME profile. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 2175-2184	8.3	21
162	Synthesis and in vitro opioid receptor functional antagonism of analogues of the selective kappa opioid receptor antagonist (3R)-7-hydroxy-N-[(1S)-1-[[[(3R,4R)-4-(3-hydroxyphenyl)-3,4-dimethyl-1-piperidinyl]methyl]-2-methylpropyl]-1,2,3,4-tetrahydroisoquinoline-3-carboxamide] (JDTic). <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 1849-60	8.3	21
161	Synthesis and ligand binding of tropane ring analogues of paroxetine. <i>Journal of Medicinal Chemistry</i> , <b>1998</b> , 41, 247-57	8.3	21
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159	Patterns of nicotinic receptor antagonism II: cardiovascular effects in rats. <i>Drug and Alcohol Dependence</i> , <b>2013</b> , 131, 284-97	4.9	19
158	Effects of the specific $\alpha 4\beta 2$ nAChR antagonist, 2-fluoro-3-(4-nitrophenyl) deschloroepibatidine, on nicotine reward-related behaviors in rats and mice. <i>Psychopharmacology</i> , <b>2012</b> , 223, 159-68	4.7	19
157	Synthesis and pharmacological evaluation of phenylethynyl[1,2,4]methyltriazines as analogues of 3-methyl-6-(phenylethynyl)pyridine. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 3388-91	8.3	19
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155	In vitro and in vivo characterization of [ <sup>125</sup> I]iodomethyllycaconitine in the rat. <i>Synapse</i> , <b>2002</b> , 44, 117-23	2.4	19
154	Serotonin transporter production and degradation rates: studies with RTI-76. <i>Brain Research</i> , <b>1999</b> , 841, 1-10	3.7	19
153	Radiosynthesis of a photoaffinity probe for the cocaine receptor of the dopamine transporter: 3E(p-chlorophenyl)tropan-2Ecarboxylic acid m-([ <sup>125</sup> I]-iodo)-p-azidophenethyl ester ([ <sup>125</sup> I]-RTI-82). <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1993</b> , 33, 1131-1137	1.9	19
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149	Synthesis and pharmacological characterization of nicotinic acetylcholine receptor properties of (+)- and (-)-pyrido-[3,4-b]homotropans. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 3244-50	8.3	18
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146	An improved resolution of (E)-cis-N-normetazocine. <i>Journal of Heterocyclic Chemistry</i> , <b>1990</b> , 27, 2139-2143	1.7	18
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125	New insights on the effects of varenicline on nicotine reward, withdrawal and hyperalgesia in mice. <i>Neuropharmacology</i> , <b>2018</b> , 138, 72-79	5.5	14
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49	Synthesis, Nicotinic Acetylcholine Binding, and in Vitro and in Vivo Pharmacological Properties of 2[Fluoro-(carbamoylpyridinyl)deschloroepibatidine Analogues. <i>ACS Chemical Neuroscience</i> , <b>2016</b> , 7, 1004-7	5.7	4
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35	Synthesis and monoamine transporter binding properties of 2,3-cyclo analogues of 3beta-(4-aminophenyl)-2beta-tropanemethanol. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 4589-94	8.3	2
34	Evaluation of retinoid lactones as topical therapeutic agents in dermatology. <i>Pharmaceutical Research</i> , <b>1995</b> , 12, 983-92	4.5	2
33	Synthesis and spectral analysis of (±)-cis-N-[1-(2-hydroxy-2-phenyl-ethyl)-3-methyl-4-piperidyl]-N-phenylpropanamide and (±)-cis-N-[1-(2-hydroxy-1-phenylethyl)-3-methyl-4-piperidyl]-N-phenylpropanamide. <i>Journal of Heterocyclic Chemistry</i> , <b>1992</b> , 22, 1773-1778	1.9	2
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