Sari Izenwasser

List of Publications by Year
in descending order

112	3,696	117625	149698
papers	citations	34 h-index	56 g-index

114	114	114	2414
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chronic nicotine differentially alters cocaine-induced locomotor activity in adolescent vs. adult male and female rats. Neuropharmacology, 2004, 46, 349-362.	4.1	147
2	Dopamine transport function is elevated in cocaine users. Journal of Neurochemistry, 2002, 81, 292-300.	3.9	142
3	Sensitivity to cocaine conditioned reward depends on sex and age. Pharmacology Biochemistry and Behavior, 2009, 92, 131-134.	2.9	130
4	Comparison of the effects of cocaine and other inhibitors of dopamine uptake in rat striatum, nucleus accumbens, olfactory tubercle, and medial prefrontal cortex. Brain Research, 1990, 520, 303-309.	2.2	127
5	Differential effects of methamphetamine and cocaine on conditioned place preference and locomotor activity in adult and adolescent male rats. Behavioural Brain Research, 2009, 198, 45-50.	2.2	124
6	Cocaine Abusers Have an Overexpression of Î±-Synuclein in Dopamine Neurons. Journal of Neuroscience, 2003, 23, 2564-2571.	3.6	119
7	Novel 3.alpha.-(Diphenylmethoxy)tropane Analogs: Potent Dopamine Uptake Inhibitors without Cocaine-like Behavioral Profiles. Journal of Medicinal Chemistry, 1994, 37, 2258-2261.	6.4	113
8	Novel 4'-Substituted and 4',4''-Disubstituted 3.alpha.-(Diphenylmethoxy)tropane Analogs as Potent and Selective Dopamine Uptake Inhibitors. Journal of Medicinal Chemistry, 1995, 38, 3933-3940.	6.4	104
9	Novel N-Substituted 3Î±-[Bis(4â€˜-fluorophenyl)methoxy]tropane Analogues:Â Selective Ligands for the Dopamine Transporter. Journal of Medicinal Chemistry, 1997, 40, 4329-4339.	6.4	104
10	Daily cocaine treatment produces a persistent reduction of [3H]dopamine uptake in vitro in rat nucleus accumbens but not in striatum. Brain Research, 1990, 531, 338-341.	2.2	97
11	Social and physical environment alter cocaine conditioned place preference and dopaminergic markers in adolescent male rats. Neuroscience, 2009, 163, 890-897.	2.3	90
12	Cocaine differentially alters behavior and neurochemistry in periadolescent versus adult rats. Developmental Brain Research, 2002, 138, 27-34.	1.7	86
13	Nicotine Indirectly Inhibits [3H]Dopamine Uptake at Concentrations That Do Not Directly Promote [3H]Dopamine Release in Rat Striatum. Journal of Neurochemistry, 1991, 56, 603-610.	3.9	73
14	Inhibition of dopamine uptake by cocaine and nicotine: tolerance to chronic treatments. Brain Research, 1992, 573, 119-125.	2.2	72
15	Chronic repeated cocaine administration alters basal and opioid-regulated adenylyl cyclase activity. Synapse, 1993, 15, 33-38.	1.2	72
16	Nicotine treatment produces persistent increases in amphetamine-stimulated locomotor activity in periadolescent male but not female or adult male rats. Developmental Brain Research, 2004, 153, 175-187.	1.7	67
17	Serotonin transporters upregulate with chronic cocaine use. Journal of Chemical Neuroanatomy, 2000, 20, 271-280.	2.1	64
18	Effect of MDMA (ecstasy) on activity and cocaine conditioned place preference in adult and adolescent rats. Neurotoxicology and Teratology, 2007, 29, 37-46.	2.4	64

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19	Pretreatment with methylphenidate sensitizes rats to the reinforcing effects of cocaine. Pharmacology Biochemistry and Behavior, 2002, 72, 651-657.	2.9	62
20	Differential efficacies of dopamine D1 receptor agonists for stimulating adenylyl cyclase in squirrel monkey and rat. European Journal of Pharmacology, 1993, 246, 39-44.	2.6	60
21	Chronic methylphenidate alters locomotor activity and dopamine transporters differently from cocaine. European Journal of Pharmacology, 1999, 373, 187-193.	3.5	56
22	Neurochemical alterations produced by daily nicotine exposure in periadolescent vs. adult male rats. European Journal of Pharmacology, 2004, 502, 75-85.	3.5	54
23	Differential relationships among dopamine transporter affinities and stimulant potencies of various uptake inhibitors. European Journal of Pharmacology, 1994, 263, 277-283.	3.5	50
24	Structureâ^'Activity Relationships at the Monoamine Transporters and Ïƒ Receptors for a Novel Series of 9-[3-(cis-3,5-Dimethyl-1-piperazinyl)-propyl]carbazole (Rimcazole) Analogues. Journal of Medicinal Chemistry, 1999, 42, 4446-4455.	6.4	46
25	Highly Selective Chiral N-Substituted 3Î±-[Bis(4â€˜-fluorophenyl)methoxy]tropane Analogues for the Dopamine Transporter:Â Synthesis and Comparative Molecular Field Analysis. Journal of Medicinal Chemistry, 2000, 43, 1085-1093.	6.4	44
26	Galanin receptor plasticity within the nucleus basalis in early and late Alzheimer's disease: an in vitro autoradiographic analysis. Neuropharmacology, 2000, 39, 1404-1412.	4.1	43
27	Cocaine and several Ïƒ receptor ligands inhibit dopamine uptake in rat caudate-putamen. European Journal of Pharmacology, 1993, 243, 201-205.	3.5	42
28	3â€˜-Chloro-3Î±-(diphenylmethoxy)tropane But Not 4â€˜-Chloro-3Î±- (diphenylmethoxy)tropane Produces a Cocaine-like Behavioral Profileâ€. Journal of Medicinal Chemistry, 1997, 40, 851-857.	6.4	41
29	Repeated treatment with the selective kappa opioid agonist U-69593 produces a marked depletion of dopamine D2 receptors. , 1998, 30, 275-283.		41
30	Differential Effects of Psychoactive Drugs in Adolescents and Adults. Critical Reviews in Neurobiology, 2005, 17, 51-68.	3.1	41
31	Continuous cocaine administration enhances Î¼- but not Î˙-opioid receptor-mediated inhibition of adenylyl cyclase activity in nucleus accumbens. European Journal of Pharmacology, 1996, 297, 187-191.	3.5	39
32	Synthesis, Cocaine Receptor Affinity, and Dopamine Uptake Inhibition of Several New 2.beta.-Substituted 3.beta.-Phenyltropanes. Journal of Medicinal Chemistry, 1994, 37, 3875-3877.	6.4	38
33	Continuous infusion of selective dopamine uptake inhibitors or cocaine produces time-dependent changes in rat locomotor activity. Behavioural Brain Research, 1999, 99, 201-208.	2.2	36
34	Effects of Î´-opioid receptor agonists on long-term cocaine use and dopamine neurotransmission. European Journal of Pharmacology, 2001, 426, 25-34.	3.5	36
35	Chronic cocaine increases ?-opioid receptor density: Lack of effect by selective dopamine uptake inhibitors. Synapse, 2002, 45, 153-158.	1.2	34
36	Synthesis and CB1 cannabinoid receptor affinity of 4-alkoxycarbonyl-1,5-diaryl-1,2,3-triazoles. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 891-893.	2.2	34

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37	Sex differences in conditioned nicotine reward are age-specific. Pharmacology Biochemistry and Behavior, 2015, 132, 56-62.	2.9	34
38	Relations Between Heterogeneity of Dopamine Transporter Binding and Function and the Behavioral Pharmacology of Cocaine. Pharmacology Biochemistry and Behavior, 1997, 57, 505-512.	2.9	33
39	CoMFA Study of Novel Phenyl Ring-Substituted 3Î±-(Diphenylmethoxy)tropane Analogues at the Dopamine Transporter. Journal of Medicinal Chemistry, 1999, 42, 3502-3509.	6.4	33
40	Evidence for delta opioid receptor subtypes regulating adenylyl cyclase activity in rat brain. Life Sciences, 1994, 54, PL101-PL106.	4.3	32
41	Chronic administration of the selective dopamine uptake inhibitor GBR 12909, but not cocaine, produces marked decreases in dopamine transporter density. Naunyn-Schmiedeberg's Archives of Pharmacology, 1997, 356, 562-569.	3.0	32
42	Tolerance and sensitization to the locomotor-activating effects of cocaine are mediated via independent mechanisms. Pharmacology Biochemistry and Behavior, 2002, 73, 877-882.	2.9	30
43	Chronic nicotine alters cannabinoidâ€mediated locomotor activity and receptor density in periadolescent but not adult male rats. International Journal of Developmental Neuroscience, 2009, 27, 263-269.	1.6	29
44	Chronic intracerebroventricular cocaine differentially affects prodynorphin gene expression in rat hypothalamus and caudate-putamen. Molecular Brain Research, 1996, 40, 153-156.	2.3	28
45	Social and physical environmental enrichment differentially affect growth and activity of preadolescent and adolescent male rats. Journal of the American Association for Laboratory Animal Science, 2008, 47, 30-4.	1.2	28
46	Synthesis, Structure, Dopamine Transporter Affinity, and Dopamine Uptake Inhibition of 6-Alkyl-3-benzyl-2-[(methoxycarbonyl)methyl]tropane Derivatives. Journal of Medicinal Chemistry, 1997, 40, 4406-4414.	6.4	27
47	(.+-.)-(Aminoalkyl)benzazepine Analogs: Novel Dopamine D1 Receptor Antagonists. Journal of Medicinal Chemistry, 1995, 38, 4284-4293.	6.4	26
48	Synthesis and Dopamine Transporter Affinity of 2-(Methoxycarbonyl)-9-methyl-3-phenyl-9-azabicyclo[3.3.1]nonane Derivatives. Journal of Medicinal Chemistry, 1996, 39, 4744-4749.	6.4	25
49	Isothiocyanate Derivatives of 9-[3-(cis-3,5-Dimethyl-1-piperazinyl)propyl]- carbazole (Rimcazole):Â Irreversible Ligands for the Dopamine Transporter. Journal of Medicinal Chemistry, 1997, 40, 4340-4346.	6.4	24
50	Synthesis, Dopamine Transporter Affinity, Dopamine Uptake Inhibition, and Locomotor Stimulant Activity of 2-Substituted 3Î²-Phenyltropane Derivatives. Journal of Medicinal Chemistry, 1997, 40, 858-863.	6.4	24
51	Structureâ”Activity Relationships at Monoamine Transporters and Muscarinic Receptors forN-Substituted-3Î±-(3â€˜-chloro-, 4â€˜-chloro-, and 4â€˜,4â€˜Ââ€˜-dichloro-substituted-diphenyl)methoxytropanes. Journal of Medicinal Chemistry, 2001, 44, 633-640.	6.4	24
52	Sex differences in the effects of social and physical environment on novelty-induced exploratory behavior and cocaine-stimulated locomotor activity in adolescent rats. Behavioural Brain Research, 2012, 230, 92-99.	2.2	24
53	Pretreatment with Î”9-tetrahydrocannabinol (THC) increases cocaine-stimulated activity in adolescent but not adult male rats. Pharmacology Biochemistry and Behavior, 2012, 100, 587-591.	2.9	24
54	Sex-specific alterations in hippocampal cannabinoid 1 receptor expression following adolescent delta-9-tetrahydrocannabinol treatment in the rat. Neuroscience Letters, 2015, 602, 89-94.	2.1	24

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55	Sexually-dimorphic alterations in cannabinoid receptor density depend upon prenatal/early postnatal history. Neurotoxicology and Teratology, 2016, 58, 31-39.	2.4	24
56	Novel 1-Phenylcycloalkanecarboxylic Acid Derivatives Are Potent and Selective .sigma.1 Ligands. Journal of Medicinal Chemistry, 1994, 37, 2285-2291.	6.4	23
57	The role of the dopamine transporter in cocaine abuse. Neurotoxicity Research, 2004, 6, 379-383.	2.7	22
58	Synthesis and Biological Evaluation of 2-Substituted 3Î²-Tolyltropane Derivatives at Dopamine, Serotonin, and Norepinephrine Transporters. Journal of Medicinal Chemistry, 2002, 45, 1203-1210.	6.4	21
59	The cocaine-like behavioral effects of meperidine are mediated by activity at the dopamine transporter. European Journal of Pharmacology, 1996, 297, 9-17.	3.5	20
60	Nicotine produces long-term increases in cocaine reinforcement in adolescent but not adult rats. Brain Research, 2017, 1654, 165-170.	2.2	20
61	A novel photoaffinity label for the dopamine transporter based on N-substituted 3Î±-[bis(4â€²-fluorophenyl)methoxy]tropane. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 3027-3032.	2.2	19
62	Modulation of amphetamine-stimulated (transporter mediated) dopamine release in vitro by Ïƒ2 receptor agonists and antagonists. European Journal of Pharmacology, 1998, 346, 189-196.	3.5	19
63	Synthesis and Biological Evaluation at Nicotinic Acetylcholine Receptors ofN-Arylalkyl- andN-Aryl-7-Azabicyclo[2.2.1]heptanes. Journal of Medicinal Chemistry, 2002, 45, 3041-3047.	6.4	19
64	Potentiation of morphine analgesia by D-amphetamine is mediated by norepinephrine and not dopamine. Pain, 1988, 33, 363-368.	4.2	18
65	Inhibition of [3H]dopamine and [3H]serotonin uptake by cocaine: Comparison between chopped tissue slices and synaptosomes. Life Sciences, 1992, 50, 541-547.	4.3	18
66	Synthesis and Dopamine Transporter Affinity of the Four Stereoisomers of (Â±)-2-(Methoxycarbonyl)-7-methyl-3-phenyl-7-azabicyclo[2.2.1]heptane. Journal of Medicinal Chemistry, 1998, 41, 2430-2435.	6.4	18
67	Chronic GBR 12909 administration differentially alters prodynorphin gene expression compared to cocaine. European Journal of Pharmacology, 2001, 413, 207-212.	3.5	17
68	The effect of amfonelic acid or nisoxetine in combination with morphine on brain-stimulation reward. Pharmacology Biochemistry and Behavior, 1989, 32, 983-986.	2.9	16
69	Synthesis and Biological Evaluation of Meperidine Analogues at Monoamine Transporters. Journal of Medicinal Chemistry, 2005, 48, 1336-1343.	6.4	16
70	Synthesis and Ligand Binding of Î·6-(2Î²-Carbomethoxy-3Î²-phenyltropane) Transition Metal Complexes. Journal of Medicinal Chemistry, 1996, 39, 1560-1563.	6.4	15
71	Synthesis and dopamine transporter binding affinities of 3Î±-Benzyl-8-(diarylmethoxyethyl)-8-azabicyclo[3.2.1]octanes. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 2387-2390.	2.2	15
72	Differential alteration of the effects of MDMA (ecstasy) on locomotor activity and cocaine conditioned place preference in male adolescent rats by social and environmental enrichment. Psychopharmacology, 2012, 224, 101-108.	3.1	15

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73	Characterization of kappa1-opioid receptor binding in human insular cortex. Life Sciences, 1999, 65, 857-862.	4.3	14
74	Role of Serotonin on Cocaine-Mediated Effects on Prodynorphin Gene Expression in the Rat Brain. Journal of Molecular Neuroscience, 2004, 22, 213-222.	2.3	14
75	Synthesis and Monoamine Transporter Binding of 2-(Diarylmethoxymethyl)-3Î²-aryltropane Derivatives. Journal of Medicinal Chemistry, 2004, 47, 1676-1682.	6.4	14
76	Regulation of dynorphin gene expression by Î¹-opioid agonist treatment. NeuroReport, 2002, 13, 107-109.	1.2	13
77	Role of serotonin in the regulation of the dynorphinergic system by a Î¹-opioid agonist and cocaine treatment in rat CNS. Neuroscience, 2007, 144, 157-164.	2.3	13
78	Synthesis, dopamine and serotonin transporter binding affinities of novel analogues of meperidine. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 3273-3276.	2.2	12
79	Structureâ€“activity studies of 3â€²-4â€²-dichloro-meperidine analogues at dopamine and serotonin transporters. Bioorganic and Medicinal Chemistry, 2005, 13, 5623-5634.	3.0	12
80	Chronic cocaine produces decreases in N/OFQ peptide levels in select rat brain regions. Journal of Molecular Neuroscience, 2007, 31, 159-164.	2.3	12
81	The cocaine analog WIN 35,428 binds to two sites in fresh rat caudate-putamen: Significance of assay procedures. Life Sciences, 1993, 52, PL141-PL145.	4.3	11
82	Synthesis of dopamine transporter selective 3-{2-(Diarylmethoxyethylidene)}-8-alkylaryl-8-azabicyclo[3.2.1]octanes. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 629-632.	2.2	11
83	Synthesis and nicotinic acetylcholine receptor binding affinities of 2- and 3-isoxazolyl-8-azabicyclo[3.2.1]octanes. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1775-1778.	2.2	10
84	Effects of the selective norepinephrine uptake inhibitor nisoxetine on prodynorphin gene expression in rat CNS. Molecular Brain Research, 2004, 127, 115-120.	2.3	10
85	Punishment modifies the effects of chlordiazepoxide and benzodiazepine receptors. Pharmacology Biochemistry and Behavior, 1989, 32, 743-748.	2.9	9
86	Cocaine decreases saccharin preference without altering sweet taste sensitivity. Pharmacology Biochemistry and Behavior, 2015, 133, 18-24.	2.9	9
87	Synthesis, lipophilicity and structure of 2,5â€disubstituted 1, 3, 5â€dithiazine derivatives. Journal of Heterocyclic Chemistry, 2003, 40, 827-832.	2.6	8
88	Depletion of serotonin decreases the effects of the kappa-opioid receptor agonist U-69593 on cocaine-stimulated activity. European Journal of Pharmacology, 2008, 586, 123-129.	3.5	8
89	Inhibition of Adenylyl Cyclase Activity by a Homogeneous Population of Dopamine Receptors: Selective Blockade by Antisera Directed Against G_{i1} and/or G_{i2}. Journal of Neurochemistry, 1995, 64, 1614-1621.	3.9	7
90	Synthesis of dopamine transporter selective 3-diarylmethoxymethyl-8-arylalkyl-8-azabicyclo[3.2.1]octane derivatives. Bioorganic and Medicinal Chemistry, 2006, 14, 7943-7952.	3.0	7

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91	Regioselective synthesis and cannabinoid receptor binding affinity of N-alkylated 4,5-diaryl-1,2,3-triazoles. Medicinal Chemistry Research, 2012, 21, 4473-4484.	2.4	7
92	3-Aryl-3-arylmethoxyazetidines. A new class of high affinity ligands for monoamine transporters. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4404-4407.	2.2	7
93	(Â±)-3-[4â€˜-(N,N-Dimethylamino)cinnamyl]benzazepine Analogs:Â Novel Dopamine D1Receptor Antagonistsâ€. Journal of Medicinal Chemistry, 1996, 39, 3423-3428.	6.4	6
94	Cocaine-like discriminative stimulus effects and [3 H]dopamine uptake inhibition produced by selected partial opioid agonists. Behavioural Pharmacology, 2001, 12, 225-235.	1.7	6
95	Opioid Partial Agonist Effects of 3-O-Methylnaltrexone in Rhesus Monkeys. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 1030-1039.	2.5	6
96	Differential Time Course of Effects of Î¼-Opioid Agonist Treatment on Dynorphin A Levels and Î¼-Opioid Receptor Density. Journal of Molecular Neuroscience, 2004, 24, 307-314.	2.3	6
97	Viral vector-mediated gene therapy for opioid use disorders. Experimental Neurology, 2021, 341, 113710.	4.1	6
98	Stereoselective synthesis of conformationally constrained tropane analogues: 6â€Chloroâ€2,5â€diazatetracyclo[8.5.0.0^{2,13}.0^{4,9}]pentadecaâ€4,6,8â€trieneâ€11â€one and 6â€chloroâ€2,7â€diazatetracycloâ€[8.5.0.0^{2,13}.0^{4,9}]pentadecaâ€4,6,8â€trieneâ€11â€one. Journal of Heterocyclic Chemistry, 2004, 41, 569-574.	2.6	5
99	Synthesis and monoamine transporter affinity of 3Î±-arylmethoxy-3Î²-arylnortropanes. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6865-6868.	2.2	5
100	Vaccination against cocaine using a modifiable dendrimer nanoparticle platform. Vaccine, 2020, 38, 7989-7997.	3.8	5
101	N-Substituted-3-alkoxy-derivatives of dextromethorphan are functional NMDA receptor antagonists in vivo: Evidence from an NMDA-induced seizure model in rats. Pharmacology Biochemistry and Behavior, 2021, 203, 173154.	2.9	4
102	Basic Pharmacological Mechanisms of Cocaine. , 1998, , 1-20.		3
103	Increased opioid efficacy for inhibition of adenylyl cyclase in rat brain and 7315c cell membranes induced by chronic naltrexone treatment. Regulatory Peptides, 1994, 53, S119-S120.	1.9	2
104	Synthesis and structureâ€“activity studies of benzyl ester meperidine and normeperidine derivatives as selective serotonin transporter ligands. Bioorganic and Medicinal Chemistry, 2010, 18, 8356-8364.	3.0	2
105	Further structureâ€“activity relationship studies on 8-substituted-3-[2-(diarylmethoxyethylidenyl)]-8-azabicyclo[3.2.1]octane derivatives at monoamine transporters. Bioorganic and Medicinal Chemistry, 2011, 19, 7551-7558.	3.0	2
106	Synthesis and nicotinic acetylcholine receptor affinity of bivalent tropaneâ€3â€carboxylates. Journal of Heterocyclic Chemistry, 2007, 44, 1425-1430.	2.6	1
107	Introduction to the College on Problems of Drug Dependence Special Issue: Contemporary Advances in Opioid Neuropharmacology. Drug and Alcohol Dependence, 2010, 108, 153-155.	3.2	1
108	7-OH-DPAT antagonizes dopamine D2 receptor-inhibited adenylyl cyclase activity. Life Sciences, 1994, 55, PL257-PL259.	4.3	0

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109	Synthesis of Dopamine Transporter Selective 3-{2-(Diarylmethoxyethylidene)}-8-alkylaryl-8-azabicyclo[3.2.1]octanes.. ChemInform, 2003, 34, no.	0.0	0
110	Synthesis and Dopamine Transporter Binding Affinities of 3Î±â€Benzylâ€8â€(diarylmethoxyethyl)â€8â€azabicyclo[3.2.1]octanes (VIII).. ChemInform, 2002, 33, 159-159.	0.0	0
111	Nicotine Effects in Adolescents. , 2019, , 17-23.		0
112	Adolescent drug addiction. Pharmacology Biochemistry and Behavior, 2021, 203, 173151.	2.9	0