

Lynette C Daws

List of Publications by Year in descending order

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93
papers

3,621
citations

147801

31
h-index

149698

56
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93
all docs

93
docs citations

93
times ranked

3908
citing authors

#	ARTICLE	IF	CITATIONS
1	Autism gene variant causes hyperserotonemia, serotonin receptor hypersensitivity, social impairment and repetitive behavior. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5469-5474.	7.1	278
2	Interleukin-1 Receptor Activation by Systemic Lipopolysaccharide Induces Behavioral Despair Linked to MAPK Regulation of CNS Serotonin Transporters. Neuropsychopharmacology, 2010, 35, 2510-2520.	5.4	256
3	Unfaithful neurotransmitter transporters: Focus on serotonin uptake and implications for antidepressant efficacy. , 2009, 121, 89-99.		202
4	Calmodulin Kinase II Interacts with the Dopamine Transporter C Terminus to Regulate Amphetamine-Induced Reverse Transport. Neuron, 2006, 51, 417-429.	8.1	197
5	Cocaine Increases Dopamine Uptake and Cell Surface Expression of Dopamine Transporters. Biochemical and Biophysical Research Communications, 2002, 290, 1545-1550.	2.1	156
6	Organic cation transporter 3: Keeping the brake on extracellular serotonin in serotonin-transporter-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18976-18981.	7.1	148
7	Hypoinsulinemia Regulates Amphetamine-Induced Reverse Transport of Dopamine. PLoS Biology, 2007, 5, e274.	5.6	117
8	Density and function of central serotonin (5-HT) transporters, 5-HT1A and 5-HT2A receptors, and effects of their targeting on BTBR T+tf/J mouse social behavior. Journal of Neurochemistry, 2011, 116, 291-303.	3.9	117
9	Exaggerated effect of fluvoxamine in heterozygote serotonin transporter knockout mice. Journal of Neurochemistry, 2004, 86, 210-219.	3.9	96
10	Ontogeny and regulation of the serotonin transporter: Providing insights into human disorders. , 2011, 131, 61-79.		94
11	The sigma-1 receptor modulates methamphetamine dysregulation of dopamine neurotransmission. Nature Communications, 2017, 8, 2228.	12.8	92
12	Decynium-22 Enhances SSRI-Induced Antidepressant-Like Effects in Mice: Uncovering Novel Targets to Treat Depression. Journal of Neuroscience, 2013, 33, 10534-10543.	3.6	83
13	Transport mechanisms governing serotonin clearance in vivo revealed by high-speed chronoamperometry. Journal of Neuroscience Methods, 2005, 143, 49-62.	2.5	77
14	Ethanol Inhibits Clearance of Brain Serotonin by a Serotonin Transporter-Independent Mechanism. Journal of Neuroscience, 2006, 26, 6431-6438.	3.6	77
15	Deficits in dopamine clearance and locomotion in hypoinsulinemic rats unmask novel modulation of dopamine transporters by amphetamine. Journal of Neurochemistry, 2005, 94, 1402-1410.	3.9	76
16	Ethanol-Related Behaviors in Serotonin Transporter Knockout Mice. Alcoholism: Clinical and Experimental Research, 2006, 30, 1957-1965.	2.4	75
17	Insulin signaling and addiction. Neuropharmacology, 2011, 61, 1123-1128.	4.1	74
18	5-HT1B Receptor-Mediated Regulation of Serotonin Clearance in Rat Hippocampus In Vivo. Journal of Neurochemistry, 2002, 75, 2113-2122.	3.9	71

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19	Insulin Reveals Akt Signaling as a Novel Regulator of Norepinephrine Transporter Trafficking and Norepinephrine Homeostasis. <i>Journal of Neuroscience</i> , 2010, 30, 11305-11316.	3.6	71
20	Repeated Swim Impairs Serotonin Clearance via a Corticosterone-Sensitive Mechanism: Organic Cation Transporter 3, the Smoking Gun. <i>Journal of Neuroscience</i> , 2010, 30, 15185-15195.	3.6	67
21	Extreme enhancement or depletion of serotonin transporter function and serotonin availability in autism spectrum disorder. <i>Pharmacological Research</i> , 2019, 140, 85-99.	7.1	60
22	Catecholamine/Serotonin Interactions. <i>Advances in Pharmacology</i> , 2013, 68, 167-197.	2.0	59
23	Rapid Stimulation of Presynaptic Serotonin Transport by A3 Adenosine Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 322, 332-340.	2.5	57
24	Transgenic elimination of high-affinity antidepressant and cocaine sensitivity in the presynaptic serotonin transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3785-3790.	7.1	56
25	Revisiting Serotonin Reuptake Inhibitors and the Therapeutic Potential of α -Uptake-2 in Psychiatric Disorders. <i>ACS Chemical Neuroscience</i> , 2013, 4, 16-21.	3.5	51
26	Acute dietary tryptophan manipulation differentially alters social behavior, brain serotonin and plasma corticosterone in three inbred mouse strains. <i>Neuropharmacology</i> , 2015, 90, 1-8.	4.1	50
27	Differential behavioural and neurochemical effects of para-methoxyamphetamine and 3,4-methylenedioxymethamphetamine in the rat. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2000, 24, 955-977.	4.8	47
28	An unsuspected role for organic cation transporter 3 in the actions of amphetamine. <i>Neuropsychopharmacology</i> , 2018, 43, 2408-2417.	5.4	42
29	CB ₁ -independent inhibition of dopamine transporter activity by cannabinoids in mouse dorsal striatum. <i>Journal of Neurochemistry</i> , 2007, 101, 389-396.	3.9	41
30	Rescue of Dopamine Transporter Function in Hypoinsulinemic Rats by a D2 Receptor-ERK-Dependent Mechanism. <i>Journal of Neuroscience</i> , 2012, 32, 2637-2647.	3.6	41
31	Calcium-Dependent Inhibition of Synaptosomal Serotonin Transport by the \pm 2-Adrenoceptor Agonist 5-Bromo-N-[4,5-dihydro-1H-imidazol-2-yl]-6-quinoxalinamine (UK14304). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 956-965.	2.5	40
32	Eating High Fat Chow Decreases Dopamine Clearance in Adolescent and Adult Male Rats but Selectively Enhances the Locomotor Stimulating Effects of Cocaine in Adolescents. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyv024-pyv024.	2.1	37
33	5-HT _{1B} antagonists modulate clearance of extracellular serotonin in rat hippocampus. <i>Neuroscience Letters</i> , 1999, 266, 165-168.	2.1	33
34	Differences in the in vivo dynamics of neurotransmitter release and serotonin uptake after acute para-methoxyamphetamine and 3,4-methylenedioxymethamphetamine revealed by chronoamperometry. <i>Neurochemistry International</i> , 2005, 47, 350-361.	3.8	33
35	Inhibition of Dopamine Transporter Activity by G Protein $\beta\gamma$ Subunits. <i>PLoS ONE</i> , 2013, 8, e59788.	2.5	31
36	Comparative analysis of novel decynium-22 analogs to inhibit transport by the low-affinity, high-capacity monoamine transporters, organic cation transporters 2 and 3, and plasma membrane monoamine transporter. <i>European Journal of Pharmacology</i> , 2019, 842, 351-364.	3.5	30

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37	5-HT1B receptor modulation of the serotonin transporter in vivo: Studies using KO mice. <i>Neurochemistry International</i> , 2014, 73, 127-131.	3.8	29
38	Membrane-permeable C-terminal Dopamine Transporter Peptides Attenuate Amphetamine-evoked Dopamine Release*. <i>Journal of Biological Chemistry</i> , 2013, 288, 27534-27544.	3.4	27
39	Serotonin (5-HT) transporter (SERT) function after graded destruction of serotonergic neurons. <i>Journal of Neurochemistry</i> , 2004, 87, 861-867.	3.9	26
40	New views of biogenic amine transporter function: implications for neuropsychopharmacology. <i>International Journal of Neuropsychopharmacology</i> , 1999, 2, 305-320.	2.1	23
41	Serotonin Transporter and Plasma Membrane Monoamine Transporter Are Necessary for the Antidepressant-Like Effects of Ketamine in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7581.	4.1	23
42	Evidence for D2 receptor mediation of amphetamine-induced normalization of locomotion and dopamine transporter function in hypoinsulinemic rats. <i>Journal of Neurochemistry</i> , 2006, 101, 151-159.	3.9	22
43	Targeting Serotonin Transporters in the Treatment of Juvenile and Adolescent Depression. <i>Frontiers in Neuroscience</i> , 2019, 13, 156.	2.8	22
44	Antidepressant-like drug effects in juvenile and adolescent mice in the tail suspension test: Relationship with hippocampal serotonin and norepinephrine transporter expression and function. <i>Frontiers in Pharmacology</i> , 2013, 4, 131.	3.5	21
45	Differential in vivo clearance of serotonin in rat dorsal raphe nucleus and CA3 region. <i>Brain Research</i> , 2002, 955, 236-244.	2.2	20
46	Ontogeny of SERT Expression and Antidepressant-like Response to Escitalopram in Wild-Type and SERT Mutant Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 358, 271-281.	2.5	20
47	Constitutive plasma membrane monoamine transporter (PMAT, <i>Slc29a4</i>) deficiency subtly affects anxiety-like and coping behaviours. <i>European Journal of Neuroscience</i> , 2018, 48, 1706-1716.	2.6	20
48	Reduced effectiveness of escitalopram in the forced swimming test is associated with increased serotonin clearance rate in food-restricted rats. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 731.	2.1	16
49	Polyoxy-synthetic cathinone abuse: A potential role for organic cation transporter 3 in combined cathinone-induced efflux. <i>Neurochemistry International</i> , 2019, 123, 7-12.	3.8	16
50	In vivo analysis of serotonin clearance in rat hippocampus reveals that repeated administration of p-methoxyamphetamine (PMA), but not 3,4-methylenedioxymethamphetamine (MDMA), leads to long-lasting deficits in serotonin transporter function. <i>Journal of Neurochemistry</i> , 2007, 100, 617-627.	3.9	15
51	Prenatal metformin exposure or organic cation transporter 3 knock-out curbs social interaction preference in male mice. <i>Pharmacological Research</i> , 2019, 140, 21-32.	7.1	14
52	PICK1-Deficient Mice Exhibit Impaired Response to Cocaine and Dysregulated Dopamine Homeostasis. <i>ENeuro</i> , 2018, 5, ENEURO.0422-17.2018.	1.9	14
53	High Salt Intake Lowers Behavioral Inhibition. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 271.	2.0	13
54	Histamine Receptors Regulate the Activity, Surface Expression, and Phosphorylation of Serotonin Transporters. <i>ACS Chemical Neuroscience</i> , 2020, 11, 466-476.	3.5	13

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55	The Interaction of Organic Cation Transporters 1-3 and PMAT with Psychoactive Substances. Handbook of Experimental Pharmacology, 2021, 266, 199-214.	1.8	13
56	Antidepressant-like effects and basal immobility depend on age and serotonin transporter genotype. Genes, Brain and Behavior, 2015, 14, 543-549.	2.2	12
57	Evaluation of the antidepressant therapeutic potential of isocyanine and pseudoisocyanine analogues of the organic cation decynium-22. European Journal of Medicinal Chemistry, 2017, 137, 476-487.	5.5	11
58	Neuroinflammation Contributes to High Salt Intake-Augmented Neuronal Activation and Active Coping Responses to Acute Stress. International Journal of Neuropsychopharmacology, 2019, 22, 137-142.	2.1	11
59	Glucagon-like peptide-1 receptor regulation of basal dopamine transporter activity is species-dependent. Neurochemistry International, 2020, 138, 104772.	3.8	11
60	Role of Organic Cation Transporter 3 and Plasma Membrane Monoamine Transporter in the Rewarding Properties and Locomotor Sensitizing Effects of Amphetamine in Male and Female Mice. International Journal of Molecular Sciences, 2021, 22, 13420.	4.1	11
61	Effects of the antidepressants desipramine and fluvoxamine on latency to immobility and duration of immobility in the forced swim test in adult male C57BL/6J mice. Behavioural Pharmacology, 2018, 29, 453-456.	1.7	9
62	Organic Cation Transporters in Psychiatric Disorders. Handbook of Experimental Pharmacology, 2021, 266, 215-239.	1.8	9
63	Effect of concurrent organic cation transporter blockade on norepinephrine clearance inhibiting- and antidepressant-like actions of desipramine and venlafaxine. European Journal of Pharmacology, 2020, 883, 173285.	3.5	8
64	Age- and Sex-Specific Plasticity in Dopamine Transporter Function Revealed by Food Restriction and Exercise in a Rat Activity-Based Anorexia Paradigm. Journal of Pharmacology and Experimental Therapeutics, 2019, 371, 268-277.	2.5	7
65	Repeated administration of the substituted amphetamine p-methoxyamphetamine produces reductions in cortical 5-HT transporter binding but not 5-HT content, unlike 3,4-methylenedioxyamphetamine. European Journal of Pharmacology, 2006, 546, 74-81.	3.5	6
66	Using High-Speed Chronoamperometry to Measure Biogenic Amine Release and Uptake In Vivo. Neuromethods, 2016, , 53-81.	0.3	6
67	Regulation of opioid receptors by opioid antagonists: implications for rapid opioid detoxification. Addiction Biology, 1999, 4, 391-397.	2.6	5
68	Ontogeny of Norepinephrine Transporter Expression and Antidepressant-Like Response to Desipramine in Wild-Type and Serotonin Transporter Mutant Mice. Journal of Pharmacology and Experimental Therapeutics, 2017, 360, 84-94.	2.5	5
69	Ca ²⁺ dependent surface trafficking of norepinephrine transporters depends on threonine 30 and Ca ²⁺ calmodulin kinases. Journal of Chemical Neuroanatomy, 2017, 83-84, 19-35.	2.1	4
70	Ethanol effects on multiple fixed-interval, fixed-ratio responding in mice with deletions of the serotonin transporter gene. Behavioural Pharmacology, 2014, 25, 92-95.	1.7	2
71	Biphasic effects of selective serotonin reuptake inhibitors on anxiety: rapid reversal of escitalopram's anxiogenic effects in the novelty-induced hypophagia test in mice?. Behavioural Pharmacology, 2018, 29, 365-369.	1.7	2
72	Role of Organic Cation Transporter 3 in the Locomotor Sensitizing Effects and Rewarding Properties of Amphetamine in Male and Female Mice. FASEB Journal, 2021, 35, .	0.5	2

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73	Insulin regulation of dopamine transporter activity.. FASEB Journal, 2009, 23, .	0.5	1
74	Whatâ€™s Old is New. ACS Chemical Neuroscience, 2013, 4, 1-2.	3.5	0
75	High Salt Intake Increases Contextual Fear Retrieval and Synaptic Inhibition of Medial Entorhinal Cortexâ€™Projecting Neurons of the Basolateral Amygdala. FASEB Journal, 2021, 35, .	0.5	0
76	Hypertension and Fearâ€™Related Neuropsychiatric Disorder Coâ€™Morbidity: Is Body Fluid Hyperosmolality a Required Link?. FASEB Journal, 2021, 35, .	0.5	0
77	New Developments in the Regulation of Monoaminergic Neurotransmission. , 2003, , 25-42.		0
78	Effects of food restriction on dopamine clearance and on behavioral effects of dopaminergic drugs in rats. FASEB Journal, 2008, 22, 904.7.	0.5	0
79	Decyniumâ€™22 enhances SSRIsâ€™induced antidepressant effects in mice: Uncovering new targets to treat depression. FASEB Journal, 2012, 26, 844.2.	0.5	0
80	Electrochemical Techniques and Advances in Psychopharmacology. , 2013, , 1-6.		0
81	Unraveling mechanisms contributing to lack of antidepressant efficacy in juveniles and adolescents. FASEB Journal, 2013, 27, 1099.1.	0.5	0
82	Uncovering interactions between organic cation transporters and monoamine systems: implications for novel antidepressant therapies. FASEB Journal, 2013, 27, 1100.1.	0.5	0
83	Mechanisms Contributing to Lack of Antidepressant Efficacy in Juveniles and Adolescents. FASEB Journal, 2015, 29, 932.3.	0.5	0
84	Differential Activity of Decyniumâ€™22 Analogs: Novel Targets for Probing Lowâ€™Affinity/Highâ€™Capacity Biogenic Amine Transporters. FASEB Journal, 2015, 29, .	0.5	0
85	An Unsuspected Role for Organic Cation Transporter 3 in the Actions of Amphetamine. FASEB Journal, 2018, 32, 820.8.	0.5	0
86	High Salt Intake Enhances Stress Coping Behaviors: Role for Vasopressin Signaling from PVN to Amygdala. FASEB Journal, 2018, 32, 890.4.	0.5	0
87	Dopaminergic Perturbations from Food Restriction and Exercise are Sexâ€™Dependently Amplified During Adolescence. FASEB Journal, 2018, 32, 682.6.	0.5	0
88	Investigating Organic Cation Transporter 3 (OCT3) and Plasma Membrane Monoamine Transporter (PMAT) as Targets for Development of New Antidepressant Treatments for Juveniles and Adolescents. FASEB Journal, 2018, 32, 680.3.	0.5	0
89	Investigating the Role of Serotonin Transporter, Plasma Membrane Monoamine Transporter, and Organic Cation Transporter 3 in the Antidepressantâ€™Like Effects of Ketamine. FASEB Journal, 2019, 33, 807.6.	0.5	0
90	Neurotransmitter Transporters and Their Role in the Pharmacological Actions of Therapeutic and Abused Drugs. , 2021, , .		0

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91	Ethanol Inhibits Dopamine Uptake and Augments Rewarding Effects of Cocaine via Organic Cation Transporter 3. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
92	Expression of Key Modulators of Serotonergic Neurotransmission after Chronic Metformin Treatment. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
93	High Affinity Decynium-22 Binding to Brain Membrane Homogenates and Reduced Dorsal Camouflaging after Acute Exposure to it in Zebrafish. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	0