

# Daniel S Zahm

## List of Publications by Year in descending order

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109  
papers

11,652  
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times ranked

6415  
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#	ARTICLE	IF	CITATIONS
1	The novel giant striatal neurons are not cholinergic. <i>Molecular Psychiatry</i> , 2022, 27, 1857-1857.	7.9	0
2	A novel giant non-cholinergic striatal interneuron restricted to the ventrolateral striatum coexpresses Kv3.3 potassium channel, parvalbumin, and the vesicular GABA transporter. <i>Molecular Psychiatry</i> , 2020, , .	7.9	1
3	The lateral preoptic area and ventral pallidum embolden behavior. <i>Brain Structure and Function</i> , 2019, 224, 1245-1265.	2.3	14
4	Dissociable effects of dopamine D1 and D2 receptors on compulsive ingestion and pivoting movements elicited by disinhibiting the ventral pallidum. <i>Brain Structure and Function</i> , 2019, 224, 1925-1932.	2.3	9
5	The Lateral Preoptic Area: A Novel Regulator of Reward Seeking and Neuronal Activity in the Ventral Tegmental Area. <i>Frontiers in Neuroscience</i> , 2019, 13, 1433.	2.8	18
6	Lateral preoptic and ventral pallidal roles in locomotion and other movements. <i>Brain Structure and Function</i> , 2018, 223, 2907-2924.	2.3	23
7	Review of the cytology and connections of the lateral habenula, an avatar of adaptive behaving. <i>Pharmacology Biochemistry and Behavior</i> , 2017, 162, 3-21.	2.9	66
8	Abundant collateralization of temporal lobe projections to the accumbens, bed nucleus of stria terminalis, central amygdala and lateral septum. <i>Brain Structure and Function</i> , 2017, 222, 1971-1988.	2.3	18
9	Sources of input to the rostromedial tegmental nucleus, ventral tegmental area, and lateral habenula compared: A study in rat. <i>Journal of Comparative Neurology</i> , 2015, 523, 2426-2456.	1.6	88
10	Modulation of Locomotor Activation by the Rostromedial Tegmental Nucleus. <i>Neuropsychopharmacology</i> , 2015, 40, 676-687.	5.4	26
11	Protracted maturation of forebrain afferent connections of the ventral tegmental area in the rat. <i>Journal of Comparative Neurology</i> , 2014, 522, 1031-1047.	1.6	25
12	Comparison of the locomotor-activating effects of bicuculline infusions into the preoptic area and ventral pallidum. <i>Brain Structure and Function</i> , 2014, 219, 511-526.	2.3	28
13	An update on the connections of the ventral mesencephalic dopaminergic complex. <i>Neuroscience</i> , 2014, 282, 23-48.	2.3	153
14	Oxytocin projections to the nucleus of the solitary tract contribute to the increased meal-related satiety responses in primary adrenal insufficiency. <i>Experimental Physiology</i> , 2013, 98, 1495-1504.	2.0	14
15	On lateral septum-like characteristics of outputs from the accumbal hedonic "hotspot" of PeciÅ±a and Berridge with commentary on the transitional nature of basal forebrain "boundaries". <i>Journal of Comparative Neurology</i> , 2013, 521, 50-68.	1.6	62
16	Separate Prefrontal-Subcortical Circuits Mediate Different Components of Risk-Based Decision Making. <i>Journal of Neuroscience</i> , 2012, 32, 2886-2899.	3.6	137
17	Mesopontine rostromedial tegmental nucleus neurons projecting to the dorsal raphe and pedunculo-pontine tegmental nucleus: psychostimulant-elicited Fos expression and collateralization. <i>Brain Structure and Function</i> , 2012, 217, 719-734.	2.3	45
18	The mesopontine rostromedial tegmental nucleus: An integrative modulator of the reward system. <i>Basal Ganglia</i> , 2011, 1, 191-200.	0.3	50

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19	Inputs to the midbrain dopaminergic complex in the rat, with emphasis on extended amygdala recipient sectors. <i>Journal of Comparative Neurology</i> , 2011, 519, 3159-3188.	1.6	56
20	Fos After Single and Repeated Self-Administration of Cocaine and Saline in the Rat: Emphasis on the Basal Forebrain and Recalibration of Expression. <i>Neuropsychopharmacology</i> , 2010, 35, 445-463.	5.4	70
21	Pharmacotherapeutic approach to the treatment of addiction: persistent challenges. <i>Missouri Medicine</i> , 2010, 107, 276-80.	0.3	3
22	Altered Dendritic Spine Plasticity in Cocaine-Withdrawn Rats. <i>Journal of Neuroscience</i> , 2009, 29, 2876-2884.	3.6	192
23	The mesopontine rostromedial tegmental nucleus: A structure targeted by the lateral habenula that projects to the ventral tegmental area of Tsai and substantia nigra compacta. <i>Journal of Comparative Neurology</i> , 2009, 513, 566-596.	1.6	391
24	Prominent Activation of Brainstem and Pallidal Afferents of the Ventral Tegmental Area by Cocaine. <i>Neuropsychopharmacology</i> , 2008, 33, 2688-2700.	5.4	76
25	The Dopaminergic Projection System, Basal Forebrain Macrosystems, and Conditioned Stimuli. <i>CNS Spectrums</i> , 2008, 13, 32-40.	1.2	27
26	Absence Epilepsy. , 2008, , 2-2.		0
27	Glutamatergic Afferents of the Ventral Tegmental Area in the Rat. <i>Journal of Neuroscience</i> , 2007, 27, 5730-5743.	3.6	403
28	Activation of afferents to the ventral tegmental area in response to acute amphetamine: a double labelling study. <i>European Journal of Neuroscience</i> , 2007, 26, 1011-1025.	2.6	62
29	BDNF heterozygous mice demonstrate age-related changes in striatal and nigral gene expression. <i>Experimental Neurology</i> , 2006, 199, 362-372.	4.1	27
30	Increased opioid receptor binding and G protein coupling in the accumbens and ventral tegmental area of postnatal day 2 rats. <i>Neuroscience Letters</i> , 2006, 395, 244-248.	2.1	3
31	Brain neurotensin, psychostimulants, and stress – emphasis on neuroanatomical substrates. <i>Peptides</i> , 2006, 27, 2364-2384.	2.4	61
32	Neurotensin antagonist acutely and robustly attenuates locomotion that accompanies stimulation of a neurotensin-containing pathway from rostromedial forebrain to the ventral tegmental area. <i>European Journal of Neuroscience</i> , 2006, 24, 188-196.	2.6	27
33	Neurotensin afferents of the ventral tegmental area in the rat: [1] re-examination of their origins and [2] responses to acute psychostimulant and antipsychotic drug administration. <i>European Journal of Neuroscience</i> , 2006, 24, 116-134.	2.6	70
34	The evolving theory of basal forebrain functional anatomical macrosystems™. <i>Neuroscience and Biobehavioral Reviews</i> , 2006, 30, 148-172.	6.1	139
35	On the retention of neurotensin in the ventral tegmental area (VTA) despite destruction of the main neurotensinergic afferents of the VTA – Implications for the organization of forebrain projections to the VTA. <i>Brain Research</i> , 2006, 1087, 87-104.	2.2	16
36	Lipopolysaccharide and cyclic AMP regulation of CB2 cannabinoid receptor levels in rat brain and mouse RAW 264.7 macrophages. <i>Journal of Neuroimmunology</i> , 2006, 181, 82-92.	2.3	48

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37	Synaptologic and fine structural features distinguishing a subset of basal forebrain cholinergic neurons embedded in the dense intrinsic fiber network of the caudal extended amygdala. <i>Journal of Comparative Neurology</i> , 2006, 498, 93-111.	1.6	14
38	Afferents of the ventral tegmental area in the rat-anatomical substratum for integrative functions. <i>Journal of Comparative Neurology</i> , 2005, 490, 270-294.	1.6	335
39	Specificity in the Projections of Prefrontal and Insular Cortex to Ventral Striatopallidum and the Extended Amygdala. <i>Journal of Neuroscience</i> , 2005, 25, 11757-11767.	3.6	199
40	Differential effects of gestational buprenorphine, naloxone, and methadone on mesolimbic $\mu$ opioid and ORL1 receptor G protein coupling. <i>Developmental Brain Research</i> , 2004, 151, 149-157.	1.7	31
41	Vulnerabilities of ventral mesencephalic neurons projecting to the nucleus accumbens following infusions of 6-hydroxydopamine into the medial forebrain bundle in the rat. <i>Brain Research</i> , 2004, 997, 119-127.	2.2	3
42	Differential distribution of parvalbumin immunoreactive neurons in the striatum of cocaine sensitized rats. <i>Neuroscience</i> , 2004, 127, 35-42.	2.3	32
43	Neurotoxicity of MAO Metabolites of Catecholamine Neurotransmitters: Role in Neurodegenerative Diseases. <i>NeuroToxicology</i> , 2004, 25, 101-115.	3.0	177
44	Discrimination of striatopallidum and extended amygdala in the rat: a role for parvalbumin immunoreactive neurons?. <i>Brain Research</i> , 2003, 978, 141-154.	2.2	34
45	3,4-Dihydroxyphenylacetaldehyde is the toxic dopamine metabolite in vivo: implications for Parkinson's disease pathogenesis. <i>Brain Research</i> , 2003, 989, 205-213.	2.2	182
46	The caudal sublenticular region/anterior amygdaloid area is the only part of the rat forebrain and mesopontine tegmentum occupied by magnocellular cholinergic neurons that receives outputs from the central division of extended amygdala. <i>Brain Research</i> , 2002, 957, 207-222.	2.2	34
47	Neurons of origin of the neurotensinergic plexus enmeshing the ventral tegmental area in rat: retrograde labeling and in situ hybridization combined. <i>Neuroscience</i> , 2001, 104, 841-851.	2.3	61
48	Ventral mesopontine projections of the caudomedial shell of the nucleus accumbens and extended amygdala in the rat: Double dissociation by organization and development. <i>Journal of Comparative Neurology</i> , 2001, 436, 111-125.	1.6	35
49	Decreased choline acetyltransferase immunoreactivity in discrete striatal subregions following chronic haloperidol in rats. <i>Synapse</i> , 2001, 39, 51-57.	1.2	27
50	Catecholamine monoamine oxidase a metabolite in adrenergic neurons is cytotoxic in vivo. <i>Brain Research</i> , 2001, 891, 218-227.	2.2	27
51	Ventral mesopontine projections of the caudomedial shell of the nucleus accumbens and extended amygdala in the rat: double dissociation by organization and development. <i>Journal of Comparative Neurology</i> , 2001, 436, 111-25.	1.6	11
52	An integrative neuroanatomical perspective on some subcortical substrates of adaptive responding with emphasis on the nucleus accumbens. <i>Neuroscience and Biobehavioral Reviews</i> , 2000, 24, 85-105.	6.1	437
53	On the altered expression of tyrosine hydroxylase and calbindin-D 28kD immunoreactivities and viability of neurons in the ventral tegmental area of Tsai following injections of 6-hydroxydopamine in the medial forebrain bundle in the rat. <i>Brain Research</i> , 2000, 869, 56-68.	2.2	16
54	Catecholamine-Derived Aldehyde Neurotoxins. , 2000, , 167-180.		6

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55	Direct comparison of projections from the central amygdaloid region and nucleus accumbens shell. <i>European Journal of Neuroscience</i> , 1999, 11, 1119-1126.	2.6	106
56	Immunocytochemical characterization of catecholaminergic neurons in the rat striatum following dopamine-depleting lesions. <i>European Journal of Neuroscience</i> , 1999, 11, 3585-3596.	2.6	80
57	Functionalâ€œanatomical Implications of the Nucleus Accumbens Core and Shell Subterritories. <i>Annals of the New York Academy of Sciences</i> , 1999, 877, 113-128.	3.8	313
58	Calbindin-D 28kD immunofluorescence in ventral mesencephalic neurons labeled following injections of Fluoro-Gold in nucleus accumbens subterritories: inverse relationship relative to known neurotoxin vulnerabilities. <i>Brain Research</i> , 1999, 844, 67-77.	2.2	26
59	Distinct and interactive effects of d-amphetamine and haloperidol on levels of neurotensin and its mRNA in subterritories in the dorsal and ventral striatum of the rat. , 1998, 400, 487-503.		39
60	Desensitization and enhancement of neurotensin/neuromedin N mRNA responses in subsets of rat caudate-putamen neurons following multiple administrations of haloperidol. <i>Molecular Brain Research</i> , 1998, 59, 196-204.	2.3	4
61	Is the Caudomedial Shell of the Nucleus Accumbens Part of the Extended Amygdala? A Consideration of Connections. <i>Critical Reviews in Neurobiology</i> , 1998, 12, 245-265.	3.1	56
62	The accumbens: beyond the core-shell dichotomy. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 1997, 9, 354-381.	1.8	350
63	The mediodorsal nucleus of the thalamus in ratsâ€œI. Forebrain gabaergic innervation. <i>Neuroscience</i> , 1996, 70, 93-102.	2.3	71
64	Morphologically distinct subpopulations of neurotensin-immunoreactive striatal neurons observed in rat following dopamine depletions and D2 receptor blockade project to the globus pallidus. <i>Neuroscience</i> , 1996, 74, 805-812.	2.3	25
65	Temporal dissociation of neurotensin/neuromedin N mRNA expression in topographically separate subsets of rat striatal neurons following administration of haloperidol. <i>Molecular Brain Research</i> , 1996, 42, 71-78.	2.3	7
66	The mediodorsal nucleus of the thalamus in ratsâ€œII. Behavioral and neurochemical effects of GABA agonists. <i>Neuroscience</i> , 1996, 70, 103-112.	2.3	47
67	Altered Fos-like immunoreactivity in terminal regions of the mesotelencephalic dopamine system is associated with reappearance of tyrosine hydroxylase immunoreactivity at the sites of focal 6-hydroxydopamine lesions in the nucleus accumbens. <i>Brain Research</i> , 1996, 736, 270-279.	2.2	12
68	Ventral striatopallidothalamic projection: IV. Relative involvements of neurochemically distinct subterritories in the ventral pallidum and adjacent parts of the rostroventral forebrain. , 1996, 364, 340-362.		131
69	Morphometric analysis of ventral mesencephalic neurons retrogradely labeled with Fluoro-Gold following injections in the shell, core and rostral pole of the rat nucleus accumbens. <i>Brain Research</i> , 1995, 689, 151-156.	2.2	27
70	Effects of dopamine depletion on the morphology of medium spiny neurons in the shell and core of the rat nucleus accumbens. <i>Journal of Neuroscience</i> , 1995, 15, 3808-3820.	3.6	99
71	Morphology and Fos immunoreactivity reveal two subpopulations of striatal neurotensin neurons following acute 6-hydroxydopamine lesions and reserpine administration. <i>Neuroscience</i> , 1995, 65, 71-86.	2.3	27
72	Intrathecal capsaicin enhances one-kidney renal wrap hypertension in the rat. <i>Journal of the Autonomic Nervous System</i> , 1994, 50, 189-199.	1.9	13

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73	Immunocytochemical co-localization of substance P and calcitonin gene-related peptide in afferent renal nerve soma of the rat. <i>Neuroscience Letters</i> , 1994, 173, 87-93.	2.1	13
74	Insulin gene expression and insulin synthesis in mammalian neuronal cells. <i>Journal of Biological Chemistry</i> , 1994, 269, 8445-54.	3.4	221
75	Specificity in the efferent projections of the nucleus accumbens in the rat: Comparison of the rostral pole projection patterns with those of the core and shell. <i>Journal of Comparative Neurology</i> , 1993, 327, 220-232.	1.6	378
76	Organization of the proximal, orbital segment of the infraorbital nerve at multiple intervals after axotomy at birth: A quantitative electron microscopic study in rat. <i>Journal of Comparative Neurology</i> , 1993, 338, 159-174.	1.6	15
77	The patterns of afferent innervation of the core and shell in the ?Accumbens? part of the rat ventral striatum: Immunohistochemical detection of retrogradely transported fluoro-gold. <i>Journal of Comparative Neurology</i> , 1993, 338, 255-278.	1.6	1,031
78	Subsets of neurotensin-immunoreactive neurons in the rat striatal complex following antagonism of the dopamine D2 receptor: An immunohistochemical double-labeling study using antibodies against Fos. <i>Neuroscience</i> , 1993, 57, 649-660.	2.3	17
79	Structure-function relationships in rat brainstem subnucleus interparalis. X. Mechanisms underlying enlarged spared whisker projections after infraorbital nerve injury at birth. <i>Journal of Neuroscience</i> , 1993, 13, 2946-2964.	3.6	36
80	Subsets of neurotensin-immunoreactive neurons revealed following antagonism of the dopamine-mediated suppression of neurotensin immunoreactivity in the rat striatum. <i>Neuroscience</i> , 1992, 46, 335-350.	2.3	43
81	On the significance of subterritories in the ?accumbens? part of the rat ventral striatum. <i>Neuroscience</i> , 1992, 50, 751-767.	2.3	989
82	Morphological differences between projection neurons of the core and shell in the nucleus accumbens of the rat. <i>Neuroscience</i> , 1992, 50, 149-162.	2.3	192
83	The Current Status of Neurotensin-Dopamine Interactions.. <i>Annals of the New York Academy of Sciences</i> , 1992, 668, 232-252.	3.8	47
84	An electron microscopic morphometric comparison of tyrosine hydroxylase immunoreactive innervation in the neostriatum and the nucleus accumbens core and shell. <i>Brain Research</i> , 1992, 575, 341-346.	2.2	118
85	Patterns of glucose use after bicuculline-induced convulsions in relationship to $\hat{3}$ -aminobutyric acid and $\hat{1}/4$ -opioid receptors in the ventral pallidum ? functional markers for the ventral pallidum. <i>Brain Research</i> , 1992, 581, 39-45.	2.2	16
86	Cholecystokinin concentrations and peptide immunoreactivity in the intact and deafferented medullary dorsal horn of the rat. <i>Journal of Comparative Neurology</i> , 1992, 326, 22-43.	1.6	13
87	Developmental Regulation of the Distribution of Rat Brain Insulin-Insensitive (Glut 1) Glucose Transporter*. <i>Endocrinology</i> , 1991, 129, 1530-1540.	2.8	105
88	Specificity in the projection patterns of accumbal core and shell in the rat. <i>Neuroscience</i> , 1991, 41, 89-125.	2.3	1,105
89	Compartments in rat dorsal and ventral striatum revealed following injection of 6-hydroxydopamine into the ventral mesencephalon. <i>Brain Research</i> , 1991, 552, 164-169.	2.2	120
90	$\hat{3}$ -Aminobutyric Acid and $\hat{4}$ -Opioid Receptor Localization and Adaptation in the Basal Forebrain. <i>Advances in Experimental Medicine and Biology</i> , 1991, 295, 101-117.	1.6	14

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91	Postnatal development of striatal neurotensin immunoreactivity in relation to clusters of substance P immunoreactive neurons and the "dopamine islands" in the rat. <i>Journal of Comparative Neurology</i> , 1990, 296, 403-414.	1.6	27
92	Two transpallidal pathways originating in the rat nucleus accumbens. <i>Journal of Comparative Neurology</i> , 1990, 302, 437-446.	1.6	356
93	The basal forebrain projection to the region of the nuclei gemini in the rat; A combined light and electron microscopic study employing horseradish peroxidase, fluorescent tracers and Phaseolus vulgaris-leucoagglutinin. <i>Neuroscience</i> , 1990, 34, 707-731.	2.3	29
94	The ventral striatopallidal parts of the basal ganglia in the rat"II. Compartmentation of ventral pallidal efferents. <i>Neuroscience</i> , 1989, 30, 33-50.	2.3	225
95	Asymmetrical distribution of neurotensin immunoreactivity following unilateral injection of 6-hydroxydopamine in rat ventral tegmental area (VTA). <i>Brain Research</i> , 1989, 483, 301-311.	2.2	43
96	Evidence for a morphologically distinct subpopulation of striatipetal axons following injections of WGA-HRP into the ventral tegmental area in the rat. <i>Brain Research</i> , 1989, 482, 145-154.	2.2	10
97	Ventral striatopallidal parts of the basal ganglia in the rat: I. Neurochemical compartmentation as reflected by the distributions of neurotensin and substance P immunoreactivity. <i>Journal of Comparative Neurology</i> , 1988, 272, 516-535.	1.6	202
98	Numbers of neurotensin-immunoreactive neurons selectively increased in rat ventral striatum following acute haloperidol administration. <i>Neuropeptides</i> , 1988, 11, 125-132.	2.2	61
99	The ventral striatopallidothalamic projection. III. Striatal cells of the olfactory tubercle establish direct synaptic contact with ventral pallidal cells projecting to mediodorsal thalamus. <i>Brain Research</i> , 1987, 404, 327-331.	2.2	53
100	Neurotensin-immunoreactive neurons in the ventral striatum of the adult rat: Ventromedial caudate-putamen, nucleus accumbens and olfactory tubercle. <i>Neuroscience Letters</i> , 1987, 81, 41-47.	2.1	48
101	The ventral striatopallidothalamic projection: I. The striatopallidal link originating in the striatal parts of the olfactory tubercle. <i>Journal of Comparative Neurology</i> , 1987, 255, 571-591.	1.6	109
102	The ventral striatopallidothalamic projection: II. The ventral pallidothalamic link. <i>Journal of Comparative Neurology</i> , 1987, 255, 592-605.	1.6	105
103	The innervation of the primate fungiform papilla " development, distribution and changes following selective ablation. <i>Brain Research Reviews</i> , 1985, 9, 147-186.	9.0	47
104	Synaptic contacts of ventral striatal cells in the olfactory tubercle of the rat: Correlated light and electron microscopy of anterogradely transported Phaseolus vulgaris-leucoagglutinin. <i>Neuroscience Letters</i> , 1985, 60, 169-175.	2.1	26
105	Evidence for the coexistence of glutamate decarboxylase and Met-enkephalin immunoreactivities in axon terminals of rat ventral pallidum. <i>Brain Research</i> , 1985, 325, 317-321.	2.2	190
106	Fetal development of primate chemosensory corpuscles. I. Synaptic relationships in late gestation. <i>Journal of Comparative Neurology</i> , 1983, 213, 146-162.	1.6	40
107	Fetal development of primate chemosensory corpuscles. II. Synaptic relationships in early gestation. <i>Journal of Comparative Neurology</i> , 1983, 219, 36-50.	1.6	38
108	Reduction of miniature end-plate potential amplitude in extraocular and limb muscles in an animal model of myasthenia gravis. <i>Experimental Neurology</i> , 1983, 80, 258-262.	4.1	2

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109	Gap junctions between sensory and supporting cells of the utricular and saccular maculae in <i>Anolis carolinensis</i> examined by transmission electron microscopy. <i>American Journal of Anatomy</i> , 1980, 158, 263-273.	1.0	9