Susan R Sesack

List of Publications by Year
in descending order

89 papers	13,146 citations	28274 55 h-index	60623 81 g-index
91 all docs	91 docs citations	91 times ranked	9979 citing authors

#	Article	IF	Citations
1	Astrocytes in cocaine addiction and beyond. Molecular Psychiatry, 2022, 27, 652-668.	7.9	26
2	Subcellular localization of D2 receptors in the murine substantia nigra. Brain Structure and Function, 2022, 227, 925-941.	2.3	8
3	Dopamine Transporter Localization in Medial Forebrain Bundle Axons Indicates Its Long-Range Transport Primarily by Membrane Diffusion with a Limited Contribution of Vesicular Traffic on Retromer-Positive Compartments. Journal of Neuroscience, 2021, 41, 234-250.	3.6	14
4	Cocaine Triggers Astrocyte-Mediated Synaptogenesis. Biological Psychiatry, 2021, 89, 386-397.	1.3	57
5	Brain Structure & Function: the futureâ€”a prospective. Brain Structure and Function, 2021, , 1.	2.3	0
6	Cortical and Thalamic Interaction with Amygdala-to-Accumbens Synapses. Journal of Neuroscience, 2020, 40, 7119-7132.	3.6	19
7	Ventral Tegmental Area Projection Regulates Glutamatergic Transmission in Nucleus Accumbens. Scientific Reports, 2019, 9, 18451.	3.3	11
8	Cocaine-Induced Synaptic Alterations in Thalamus to Nucleus Accumbens Projection. Neuropsychopharmacology, 2016, 41, 2399-2410.	5.4	83
9	Impact of prenatal nicotine on the structure of midbrain dopamine regions in the rat. Brain Structure and Function, 2016, 221, 1939-1953.	2.3	16
10	Brain Region-Specific Trafficking of the Dopamine Transporter. Journal of Neuroscience, 2015, 35, 12845-12858.	3.6	58
11	Prefrontal Cortical Dopamine Transmission. , 2014, , 467-501.		3
12	Bidirectional Modulation of Incubation of Cocaine Craving by Silent Synapse-Based Remodeling of Prefrontal Cortex to Accumbens Projections. Neuron, 2014, 83, 1453-1467.	8.1	284
13	Control of the Nigrostriatal Dopamine Neuron Activity and Motor Function by the Tail of the Ventral Tegmental Area. Neuropsychopharmacology, 2014, 39, 2788-2798.	5.4	78
14	Maturation of silent synapses in amygdala-accumbens projection contributes to incubation of cocaine craving. Nature Neuroscience, 2013, 16, 1644-1651.	14.8	256
15	Domainâ€dependent effects of DAT inhibition in the rat dorsal striatum. Journal of Neurochemistry, 2012, 122, 283-294.	3.9	32
16	Braking Dopamine Systems: A New GABA Master Structure for Mesolimbic and Nigrostriatal Functions. Journal of Neuroscience, 2012, 32, 14094-14101.	3.6	182
17	Chronic desipramine treatment alters tyrosine hydroxylase but not norepinephrine transporter immunoreactivity in norepinephrine axons in the rat prefrontal cortex. International Journal of Neuropsychopharmacology, 2011, 14, 1219-1232.	2.1	5
18	Projections from the rat pedunculopontine and laterodorsal tegmental nuclei to the anterior thalamus and ventral tegmental area arise from largely separate populations of neurons. Brain Structure and Function, 2011, 216, 331-345.	2.3	57

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19	The inhibitory influence of the lateral habenula on midbrain dopamine cells: Ultrastructural evidence for indirect mediation via the rostromedial mesopontine tegmental nucleus. Journal of Comparative Neurology, 2011, 519, 1143-1164.	1.6	179
20	Periaqueductal gray afferents synapse onto dopamine and GABA neurons in the rat ventral tegmental area. Journal of Neuroscience Research, 2010, 88, 981-991.	2.9	65
21	Ultrastructural localization of highâ€affinity choline transporter in the rat anteroventral thalamus and ventral tegmental area: Differences in axon morphology and transporter distribution. Journal of Comparative Neurology, 2010, 518, 1908-1924.	1.6	13
22	Relationship of cannabinoid CB1 receptor and cholecystokinin immunoreactivity in monkey dorsolateral prefrontal cortex. Neuroscience, 2010, 169, 1651-1661.	2.3	65
23	Cortico-Basal Ganglia Reward Network: Microcircuitry. Neuropsychopharmacology, 2010, 35, 27-47.	5.4	820
24	Ultrastructural analysis of local collaterals of rat ventral tegmental area neurons: GABA phenotype and synapses onto dopamine and GABA cells. Synapse, 2009, 63, 895-906.	1.2	156
25	Lateral habenula projections to dopamine and GABA neurons in the rat ventral tegmental area. European Journal of Neuroscience, 2009, 30, 1239-1250.	2.6	183
26	Ultrastructural analysis of prefrontal cortical inputs to the rat amygdala: spatial relationships to presumed dopamine axons and D1 and D2 receptors. Brain Structure and Function, 2008, 213, 159-175.	2.3	70
27	Automated quantification of dendritic spine density and spine head diameter in medium spiny neurons of the nucleus accumbens. Brain Structure and Function, 2008, 213, 149-157.	2.3	70
28	Habenula: Crossroad between the Basal Ganglia and the Limbic System. Journal of Neuroscience, 2008, 28, 11825-11829.	3.6	374
29	Increased amphetamine-induced hyperactivity and reward in mice overexpressing the dopamine transporter. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4405-4410.	7.1	170
30	A Neonatal Ventral Hippocampal Lesion Causes Functional Deficits in Adult Prefrontal Cortical Interneurons. Journal of Neuroscience, 2008, 28, 12691-12699.	3.6	137
31	Glutamate synaptic inputs to ventral tegmental area neurons in the rat derive primarily from subcortical sources. Neuroscience, 2007, 146, 1259-1274.	2.3	103
32	Orexin axons in the rat ventral tegmental area synapse infrequently onto dopamine and Î³â€aminobutyric acid neurons. Journal of Comparative Neurology, 2007, 503, 668-684.	1.6	138
33	Anatomical Characteristics of Norepinephrine Axons in the Prefrontal Cortex: Unexpected Findings That May Indicate Low Activity State in NaÃ¯ve Animals. , 2007, , 35-65.		2
34	Preembedding Immunoelectron Microscopy: Applications for Studies of the Nervous System. , 2006, , 6-71.		18
35	Selective elimination of glutamatergic synapses on striatopallidal neurons in Parkinson disease models. Nature Neuroscience, 2006, 9, 251-259.	14.8	678
36	Cholinergic axons in the rat ventral tegmental area synapse preferentially onto mesoaccumbens dopamine neurons. Journal of Comparative Neurology, 2006, 494, 863-875.	1.6	110

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37	Chronic Stress Increases the Plasmalemmal Distribution of the Norepinephrine Transporter and the Coexpression of Tyrosine Hydroxylase in Norepinephrine Axons in the Prefrontal Cortex. Journal of Neuroscience, 2006, 26, 1571-1578.	3.6	93
38	Laterodorsal tegmental projections to identified cell populations in the rat ventral tegmental area. Journal of Comparative Neurology, 2005, 483, 217-235.	1.6	206
39	Mediodorsal thalamic afferents to layer III of the rat prefrontal cortex: Synaptic relationships to subclasses of interneurons. Journal of Comparative Neurology, 2005, 490, 220-238.	1.6	77
40	Ultrastructural interactions between terminals expressing the norepinephrine transporter and dopamine neurons in the rat and monkey ventral tegmental area. Synapse, 2004, 52, 233-244.	1.2	75
41	Prefrontal cortical projections to the rat dorsal raphe nucleus: Ultrastructural features and associations with serotonin and ?-aminobutyric acid neurons. Journal of Comparative Neurology, 2004, 468, 518-529.	1.6	164
42	Ultrastructure at carbon fiber microelectrode implantation sites after acute voltammetric measurements in the striatum of anesthetized rats. Journal of Neuroscience Methods, 2004, 137, 9-23.	2.5	84
43	Anatomical Substrates for Glutamateâ€Dopamine Interactions. Annals of the New York Academy of Sciences, 2003, 1003, 36-52.	3.8	326
44	Projections from the paraventricular nucleus of the thalamus to the rat prefrontal cortex and nucleus accumbens shell: Ultrastructural characteristics and spatial relationships with dopamine afferents. Journal of Comparative Neurology, 2003, 459, 142-155.	1.6	119
45	Ultrastructural localization of the norepinephrine transporter in superficial and deep layers of the rat prelimbic prefrontal cortex and its spatial relationship to probable dopamine terminals. Journal of Comparative Neurology, 2003, 466, 478-494.	1.6	96
46	Ultrastructural localization of serotonin2A receptors in the middle layers of the rat prelimbic prefrontal cortex. Neuroscience, 2003, 116, 107-117.	2.3	185
47	Prefrontal Cortex Projections to the Rat Amygdala. Annals of the New York Academy of Sciences, 2003, 985, 542-544.	3.8	3
48	Selective prefrontal cortex inputs to dopamine cells: implications for schizophrenia. Physiology and Behavior, 2002, 77, 513-517.	2.1	213
49	Dopamine transporter immunoreactivity in monkey cerebral cortex: Regional, laminar, and ultrastructural localization. Journal of Comparative Neurology, 2001, 432, 119-136.	1.6	325
50	Projections from the Rat Prefrontal Cortex to the Ventral Tegmental Area: Target Specificity in the Synaptic Associations with Mesoaccumbens and Mesocortical Neurons. Journal of Neuroscience, 2000, 20, 3864-3873.	3.6	772
51	Dopamine innervation of monkey entorhinal cortex: Postsynaptic targets of tyrosine hydroxylase-immunoreactive terminals. , 2000, 36, 47-56.		22
52	Dopamine terminals synapse on callosal projection neurons in the rat prefrontal cortex. Journal of Comparative Neurology, 2000, 425, 275-283.	1.6	55
53	Ultrastructural localization of the serotonin transporter in superficial and deep layers of the rat prelimbic prefrontal cortex and its spatial relationship to dopamine terminals. Journal of Comparative Neurology, 2000, 427, 220-234.	1.6	96
54	GABA-containing neurons in the rat ventral tegmental area project to the prefrontal cortex. Synapse, 2000, 38, 114-123.	1.2	308

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55	Limited collateralization of neurons in the rat prefrontal cortex that project to the nucleus accumbens. Neuroscience, 2000, 97, 635-642.	2.3	39
56	Immunolocalization of the cocaine- and antidepressant-sensitive l-norepinephrine transporter. Journal of Comparative Neurology, 2000, 420, 211-232.	1.6	225
57	Immunolocalization of the cocaine- and antidepressant-sensitive l-norepinephrine transporter. Journal of Comparative Neurology, 2000, 420, 211.	1.6	5
58	Dopamine innervation of monkey entorhinal cortex: Postsynaptic targets of tyrosine hydroxylase-immunoreactive terminals. Synapse, 2000, 36, 47.	1.2	0
59	Dopamine Terminals in the Rat Prefrontal Cortex Synapse on Pyramidal Cells that Project to the Nucleus Accumbens. Journal of Neuroscience, 1999, 19, 11049-11060.	3.6	147
60	Terminals from the Rat Prefrontal Cortex Synapse on Mesoaccumbens VTA Neurons. Annals of the New York Academy of Sciences, 1999, 877, 676-678.	3.8	23
61	Immunoblot and immunohistochemical comparison of murine monoclonal antibodies specific for the rat D1a and D1b dopamine receptor subtypes. Journal of Neuroimmunology, 1999, 101, 170-187.	2.3	51
62	Parvalbumin-immunoreactive axon terminals in macaque monkey and human prefrontal cortex: Laminar, regional, and target specificity of type I and type II synapses. Journal of Comparative Neurology, 1999, 408, 11-22.	1.6	85
63	Parvalbumin-immunoreactive axon terminals in macaque monkey and human prefrontal cortex: Laminar, regional, and target specificity of type I and type II synapses. , 1999, 408, 11.		1
64	Synaptic targets of pyramidal neurons providing intrinsic horizontal connections in monkey prefrontal cortex. Journal of Comparative Neurology, 1998, 390, 211-224.	1.6	115
65	Callosal terminals in the rat prefrontal cortex: Synaptic targets and association with GABA-immunoreactive structures. Synapse, 1998, 29, 193-205.	1.2	65
66	Dopamine innervation of a subclass of local circuit neurons in monkey prefrontal cortex: ultrastructural analysis of tyrosine hydroxylase and parvalbumin immunoreactive structures. Cerebral Cortex, 1998, 8, 614-622.	2.9	116
67	Dopamine Axon Varicosities in the Prelimbic Division of the Rat Prefrontal Cortex Exhibit Sparse Immunoreactivity for the Dopamine Transporter. Journal of Neuroscience, 1998, 18, 2697-2708.	3.6	516
68	Callosal terminals in the rat prefrontal cortex: Synaptic targets and association with GABAâ€immunoreactive structures. Synapse, 1998, 29, 193-205.	1.2	3
69	Dopamine Axons in Primate Prefrontal Cortex: Specificity of Distribution, Synaptic Targets, and Development. Advances in Pharmacology, 1997, 42, 703-706.	2.0	57
70	Cellular and Subcellular Localization of the Dopamine Transporter in Rat Cortex. Advances in Pharmacology, 1997, 42, 171-174.	2.0	93
71	Ultrastructural immunocytochemical localization of the dopamine D2 receptor within GABAergic neurons of the rat striatum. Brain Research, 1997, 746, 239-255.	2.2	94
72	Axosomatic input to subpopulations of cortically projecting pyramidal neurons in primate prefrontal cortex. Synapse, 1997, 25, 326-334.	1.2	4

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73	Axosomatic input to subpopulations of cortically projecting pyramidal neurons in primate prefrontal cortex. Synapse, 1997, 25, 326-334.	1.2	1
74	Dopaminergic transmission in the rat retina: evidence for volume transmission. Journal of Chemical Neuroanatomy, 1996, 12, 37-50.	2.1	70
75	Hippocampal afferents to the rat prefrontal cortex: Synaptic targets and relation to dopamine terminals. , 1996, 369, 1-15.		248
76	Ultrastructural immunocytochemical localization of neurotensin and the dopamine D2 receptor in the rat nucleus accumbens. Journal of Comparative Neurology, 1996, 371, 552-566.	1.6	34
77	Axon terminals immunolabeled for dopamine or tyrosine hydroxylase synapse on GABA-immunoreactive dendrites in rat and monkey cortex. Journal of Comparative Neurology, 1995, 363, 264-280.	1.6	215
78	Ultrastructural relationships between terminals immunoreactive for enkephalin, GABA, or both transmitters in the rat ventral tegmental area. Brain Research, 1995, 672, 261-275.	2.2	46
79	Ultrastructural associations between dopamine terminals and local circuit neurons in the monkey prefrontal cortex: a study of calretinin-immunoreactive cells. Neuroscience Letters, 1995, 200, 9-12.	2.1	68
80	Cellular and subcellular localization of syntaxin-like immunoreactivity in the rat striatum and cortex. Neuroscience, 1995, 67, 993-1007.	2.3	52
81	Analysis of synaptic inputs and targets of physiologically characterized neurons in rat frontal cortex: Combined in vivo intracellular recording and immunolabeling. Synapse, 1994, 17, 101-114.	1.2	53
82	Dynorphin-immunoreactive terminals in the rat nucleus accumbens: Cellular sites for modulation of target neurons and interactions with catecholamine afferents. Journal of Comparative Neurology, 1994, 341, 1-15.	1.6	58
83	Cellular substrates for interactions between dynorphin terminals and dopamine dendrites in rat ventral tegmental area and substantia nigra. Brain Research, 1993, 602, 275-289.	2.2	57
84	Prefrontal cortical efferents in the rat synapse on unlabeled neuronal targets of catecholamine terminals in the nucleus accumbens septi and on dopamine neurons in the ventral tegmental area. Journal of Comparative Neurology, 1992, 320, 145-160.	1.6	755
85	Cellular basis for interactions between catecholaminergic afferents and neurons containing leu-enkephalin-like immunoreactivity in rat caudate-putamen nuclei. Journal of Neuroscience Research, 1992, 31, 212-230.	2.9	44
86	In the rat medial nucleus accumbens, hippocampal and catecholaminergic terminals converge on spiny neurons and are in apposition to each other. Brain Research, 1990, 527, 266-279.	2.2	433
87	Topographical organization of the efferent projections of the medial prefrontal cortex in the rat: An anterograde tractâ€tracing study with Phaseolus vulgaris leucoagglutinin. Journal of Comparative Neurology, 1989, 290, 213-242.	1.6	1,475
88	Pharmacology of Dopamine-Induced Electrophysiological Responses in the Rat Prefrontal Cortex: D1- or D2-Mediated?. Annals of the New York Academy of Sciences, 1988, 537, 529-530.	3.8	8
89	Psychomotor performance in the senescent rodent: reduction of deficits via striatal dopamine receptor up-regulation. Neurobiology of Aging, 1983, 4, 313-319.	3.1	129