

Susan R Sesack

List of Publications by Year in descending order

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89
papers

13,146
citations

28274

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Topographical organization of the efferent projections of the medial prefrontal cortex in the rat: An anterograde tractâ€tracing study with <i>Phaseolus vulgaris</i> leucoagglutinin. <i>Journal of Comparative Neurology</i> , 1989, 290, 213-242.	1.6	1,475
2	Cortico-Basal Ganglia Reward Network: Microcircuitry. <i>Neuropsychopharmacology</i> , 2010, 35, 27-47.	5.4	820
3	Projections from the Rat Prefrontal Cortex to the Ventral Tegmental Area: Target Specificity in the Synaptic Associations with Mesoaccumbens and Mesocortical Neurons. <i>Journal of Neuroscience</i> , 2000, 20, 3864-3873.	3.6	772
4	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. <i>Journal of Comparative Neurology</i> , 1992, 320, 145-160.	1.6	755
5	Selective elimination of glutamatergic synapses on striatopallidal neurons in Parkinson disease models. <i>Nature Neuroscience</i> , 2006, 9, 251-259.	14.8	678
6	Dopamine Axon Varicosities in the Prelimbic Division of the Rat Prefrontal Cortex Exhibit Sparse Immunoreactivity for the Dopamine Transporter. <i>Journal of Neuroscience</i> , 1998, 18, 2697-2708.	3.6	516
7	In the rat medial nucleus accumbens, hippocampal and catecholaminergic terminals converge on spiny neurons and are in apposition to each other. <i>Brain Research</i> , 1990, 527, 266-279.	2.2	433
8	Habenula: Crossroad between the Basal Ganglia and the Limbic System. <i>Journal of Neuroscience</i> , 2008, 28, 11825-11829.	3.6	374
9	Anatomical Substrates for Glutamateâ€Dopamine Interactions. <i>Annals of the New York Academy of Sciences</i> , 2003, 1003, 36-52.	3.8	326
10	Dopamine transporter immunoreactivity in monkey cerebral cortex: Regional, laminar, and ultrastructural localization. <i>Journal of Comparative Neurology</i> , 2001, 432, 119-136.	1.6	325
11	GABA-containing neurons in the rat ventral tegmental area project to the prefrontal cortex. <i>Synapse</i> , 2000, 38, 114-123.	1.2	308
12	Bidirectional Modulation of Incubation of Cocaine Craving by Silent Synapse-Based Remodeling of Prefrontal Cortex to Accumbens Projections. <i>Neuron</i> , 2014, 83, 1453-1467.	8.1	284
13	Maturation of silent synapses in amygdala-accumbens projection contributes to incubation of cocaine craving. <i>Nature Neuroscience</i> , 2013, 16, 1644-1651.	14.8	256
14	Hippocampal afferents to the rat prefrontal cortex: Synaptic targets and relation to dopamine terminals. , 1996, 369, 1-15.		248
15	Immunolocalization of the cocaine- and antidepressant-sensitive l-norepinephrine transporter. <i>Journal of Comparative Neurology</i> , 2000, 420, 211-232.	1.6	225
16	Axon terminals immunolabeled for dopamine or tyrosine hydroxylase synapse on GABA-immunoreactive dendrites in rat and monkey cortex. <i>Journal of Comparative Neurology</i> , 1995, 363, 264-280.	1.6	215
17	Selective prefrontal cortex inputs to dopamine cells: implications for schizophrenia. <i>Physiology and Behavior</i> , 2002, 77, 513-517.	2.1	213
18	Laterodorsal tegmental projections to identified cell populations in the rat ventral tegmental area. <i>Journal of Comparative Neurology</i> , 2005, 483, 217-235.	1.6	206

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19	Ultrastructural localization of serotonin2A receptors in the middle layers of the rat prelimbic prefrontal cortex. <i>Neuroscience</i> , 2003, 116, 107-117.	2.3	185
20	Lateral habenula projections to dopamine and GABA neurons in the rat ventral tegmental area. <i>European Journal of Neuroscience</i> , 2009, 30, 1239-1250.	2.6	183
21	Braking Dopamine Systems: A New GABA Master Structure for Mesolimbic and Nigrostriatal Functions. <i>Journal of Neuroscience</i> , 2012, 32, 14094-14101.	3.6	182
22	The inhibitory influence of the lateral habenula on midbrain dopamine cells: Ultrastructural evidence for indirect mediation via the rostromedial mesopontine tegmental nucleus. <i>Journal of Comparative Neurology</i> , 2011, 519, 1143-1164.	1.6	179
23	Increased amphetamine-induced hyperactivity and reward in mice overexpressing the dopamine transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4405-4410.	7.1	170
24	Prefrontal cortical projections to the rat dorsal raphe nucleus: Ultrastructural features and associations with serotonin and ?-aminobutyric acid neurons. <i>Journal of Comparative Neurology</i> , 2004, 468, 518-529.	1.6	164
25	Ultrastructural analysis of local collaterals of rat ventral tegmental area neurons: GABA phenotype and synapses onto dopamine and GABA cells. <i>Synapse</i> , 2009, 63, 895-906.	1.2	156
26	Dopamine Terminals in the Rat Prefrontal Cortex Synapse on Pyramidal Cells that Project to the Nucleus Accumbens. <i>Journal of Neuroscience</i> , 1999, 19, 11049-11060.	3.6	147
27	Orexin axons in the rat ventral tegmental area synapse infrequently onto dopamine and γ -aminobutyric acid neurons. <i>Journal of Comparative Neurology</i> , 2007, 503, 668-684.	1.6	138
28	A Neonatal Ventral Hippocampal Lesion Causes Functional Deficits in Adult Prefrontal Cortical Interneurons. <i>Journal of Neuroscience</i> , 2008, 28, 12691-12699.	3.6	137
29	Psychomotor performance in the senescent rodent: reduction of deficits via striatal dopamine receptor up-regulation. <i>Neurobiology of Aging</i> , 1983, 4, 313-319.	3.1	129
30	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. <i>Journal of Comparative Neurology</i> , 2003, 459, 142-155.	1.6	119
31	Dopamine innervation of a subclass of local circuit neurons in monkey prefrontal cortex: ultrastructural analysis of tyrosine hydroxylase and parvalbumin immunoreactive structures. <i>Cerebral Cortex</i> , 1998, 8, 614-622.	2.9	116
32	Synaptic targets of pyramidal neurons providing intrinsic horizontal connections in monkey prefrontal cortex. <i>Journal of Comparative Neurology</i> , 1998, 390, 211-224.	1.6	115
33	Cholinergic axons in the rat ventral tegmental area synapse preferentially onto mesoaccumbens dopamine neurons. <i>Journal of Comparative Neurology</i> , 2006, 494, 863-875.	1.6	110
34	Glutamate synaptic inputs to ventral tegmental area neurons in the rat derive primarily from subcortical sources. <i>Neuroscience</i> , 2007, 146, 1259-1274.	2.3	103
35	Ultrastructural localization of the serotonin transporter in superficial and deep layers of the rat prelimbic prefrontal cortex and its spatial relationship to dopamine terminals. <i>Journal of Comparative Neurology</i> , 2000, 427, 220-234.	1.6	96
36	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. <i>Journal of Comparative Neurology</i> , 2003, 466, 478-494.	1.6	96

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37	Ultrastructural immunocytochemical localization of the dopamine D2 receptor within GABAergic neurons of the rat striatum. <i>Brain Research</i> , 1997, 746, 239-255.	2.2	94
38	Cellular and Subcellular Localization of the Dopamine Transporter in Rat Cortex. <i>Advances in Pharmacology</i> , 1997, 42, 171-174.	2.0	93
39	Chronic Stress Increases the Plasmalemmal Distribution of the Norepinephrine Transporter and the Coexpression of Tyrosine Hydroxylase in Norepinephrine Axons in the Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2006, 26, 1571-1578.	3.6	93
40	Parvalbumin-immunoreactive axon terminals in macaque monkey and human prefrontal cortex: Laminar, regional, and target specificity of type I and type II synapses. <i>Journal of Comparative Neurology</i> , 1999, 408, 11-22.	1.6	85
41	Ultrastructure at carbon fiber microelectrode implantation sites after acute voltammetric measurements in the striatum of anesthetized rats. <i>Journal of Neuroscience Methods</i> , 2004, 137, 9-23.	2.5	84
42	Cocaine-Induced Synaptic Alterations in Thalamus to Nucleus Accumbens Projection. <i>Neuropsychopharmacology</i> , 2016, 41, 2399-2410.	5.4	83
43	Control of the Nigrostriatal Dopamine Neuron Activity and Motor Function by the Tail of the Ventral Tegmental Area. <i>Neuropsychopharmacology</i> , 2014, 39, 2788-2798.	5.4	78
44	Mediodorsal thalamic afferents to layer III of the rat prefrontal cortex: Synaptic relationships to subclasses of interneurons. <i>Journal of Comparative Neurology</i> , 2005, 490, 220-238.	1.6	77
45	Ultrastructural interactions between terminals expressing the norepinephrine transporter and dopamine neurons in the rat and monkey ventral tegmental area. <i>Synapse</i> , 2004, 52, 233-244.	1.2	75
46	Dopaminergic transmission in the rat retina: evidence for volume transmission. <i>Journal of Chemical Neuroanatomy</i> , 1996, 12, 37-50.	2.1	70
47	Ultrastructural analysis of prefrontal cortical inputs to the rat amygdala: spatial relationships to presumed dopamine axons and D1 and D2 receptors. <i>Brain Structure and Function</i> , 2008, 213, 159-175.	2.3	70
48	Automated quantification of dendritic spine density and spine head diameter in medium spiny neurons of the nucleus accumbens. <i>Brain Structure and Function</i> , 2008, 213, 149-157.	2.3	70
49	Ultrastructural associations between dopamine terminals and local circuit neurons in the monkey prefrontal cortex: a study of calretinin-immunoreactive cells. <i>Neuroscience Letters</i> , 1995, 200, 9-12.	2.1	68
50	Callosal terminals in the rat prefrontal cortex: Synaptic targets and association with GABA-immunoreactive structures. <i>Synapse</i> , 1998, 29, 193-205.	1.2	65
51	Periaqueductal gray afferents synapse onto dopamine and GABA neurons in the rat ventral tegmental area. <i>Journal of Neuroscience Research</i> , 2010, 88, 981-991.	2.9	65
52	Relationship of cannabinoid CB1 receptor and cholecystokinin immunoreactivity in monkey dorsolateral prefrontal cortex. <i>Neuroscience</i> , 2010, 169, 1651-1661.	2.3	65
53	Dynorphin-immunoreactive terminals in the rat nucleus accumbens: Cellular sites for modulation of target neurons and interactions with catecholamine afferents. <i>Journal of Comparative Neurology</i> , 1994, 341, 1-15.	1.6	58
54	Brain Region-Specific Trafficking of the Dopamine Transporter. <i>Journal of Neuroscience</i> , 2015, 35, 12845-12858.	3.6	58

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55	Cellular substrates for interactions between dynorphin terminals and dopamine dendrites in rat ventral tegmental area and substantia nigra. <i>Brain Research</i> , 1993, 602, 275-289.	2.2	57
56	Dopamine Axons in Primate Prefrontal Cortex: Specificity of Distribution, Synaptic Targets, and Development. <i>Advances in Pharmacology</i> , 1997, 42, 703-706.	2.0	57
57	Projections from the rat pedunculo-pontine and laterodorsal tegmental nuclei to the anterior thalamus and ventral tegmental area arise from largely separate populations of neurons. <i>Brain Structure and Function</i> , 2011, 216, 331-345.	2.3	57
58	Cocaine Triggers Astrocyte-Mediated Synaptogenesis. <i>Biological Psychiatry</i> , 2021, 89, 386-397.	1.3	57
59	Dopamine terminals synapse on callosal projection neurons in the rat prefrontal cortex. <i>Journal of Comparative Neurology</i> , 2000, 425, 275-283.	1.6	55
60	Analysis of synaptic inputs and targets of physiologically characterized neurons in rat frontal cortex: Combined in vivo intracellular recording and immunolabeling. <i>Synapse</i> , 1994, 17, 101-114.	1.2	53
61	Cellular and subcellular localization of syntaxin-like immunoreactivity in the rat striatum and cortex. <i>Neuroscience</i> , 1995, 67, 993-1007.	2.3	52
62	Immunoblot and immunohistochemical comparison of murine monoclonal antibodies specific for the rat D1a and D1b dopamine receptor subtypes. <i>Journal of Neuroimmunology</i> , 1999, 101, 170-187.	2.3	51
63	Ultrastructural relationships between terminals immunoreactive for enkephalin, GABA, or both transmitters in the rat ventral tegmental area. <i>Brain Research</i> , 1995, 672, 261-275.	2.2	46
64	Cellular basis for interactions between catecholaminergic afferents and neurons containing leu-enkephalin-like immunoreactivity in rat caudate-putamen nuclei. <i>Journal of Neuroscience Research</i> , 1992, 31, 212-230.	2.9	44
65	Limited collateralization of neurons in the rat prefrontal cortex that project to the nucleus accumbens. <i>Neuroscience</i> , 2000, 97, 635-642.	2.3	39
66	Ultrastructural immunocytochemical localization of neurotensin and the dopamine D2 receptor in the rat nucleus accumbens. <i>Journal of Comparative Neurology</i> , 1996, 371, 552-566.	1.6	34
67	Domain-dependent effects of DAT inhibition in the rat dorsal striatum. <i>Journal of Neurochemistry</i> , 2012, 122, 283-294.	3.9	32
68	Astrocytes in cocaine addiction and beyond. <i>Molecular Psychiatry</i> , 2022, 27, 652-668.	7.9	26
69	Terminals from the Rat Prefrontal Cortex Synapse on Mesoaccumbens VTA Neurons. <i>Annals of the New York Academy of Sciences</i> , 1999, 877, 676-678.	3.8	23
70	Dopamine innervation of monkey entorhinal cortex: Postsynaptic targets of tyrosine hydroxylase-immunoreactive terminals. , 2000, 36, 47-56.		22
71	Cortical and Thalamic Interaction with Amygdala-to-Accumbens Synapses. <i>Journal of Neuroscience</i> , 2020, 40, 7119-7132.	3.6	19
72	Preembedding Immunoelectron Microscopy: Applications for Studies of the Nervous System. , 2006, , 6-71.		18

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73	Impact of prenatal nicotine on the structure of midbrain dopamine regions in the rat. <i>Brain Structure and Function</i> , 2016, 221, 1939-1953.	2.3	16
74	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. <i>Journal of Neuroscience</i> , 2021, 41, 234-250.	3.6	14
75	Ultrastructural localization of high-affinity choline transporter in the rat anteroventral thalamus and ventral tegmental area: Differences in axon morphology and transporter distribution. <i>Journal of Comparative Neurology</i> , 2010, 518, 1908-1924.	1.6	13
76	Ventral Tegmental Area Projection Regulates Glutamatergic Transmission in Nucleus Accumbens. <i>Scientific Reports</i> , 2019, 9, 18451.	3.3	11
77	Pharmacology of Dopamine-Induced Electrophysiological Responses in the Rat Prefrontal Cortex: D1- or D2-Mediated?. <i>Annals of the New York Academy of Sciences</i> , 1988, 537, 529-530.	3.8	8
78	Subcellular localization of D2 receptors in the murine substantia nigra. <i>Brain Structure and Function</i> , 2022, 227, 925-941.	2.3	8
79	Chronic desipramine treatment alters tyrosine hydroxylase but not norepinephrine transporter immunoreactivity in norepinephrine axons in the rat prefrontal cortex. <i>International Journal of Neuropsychopharmacology</i> , 2011, 14, 1219-1232.	2.1	5
80	Immunolocalization of the cocaine- and antidepressant-sensitive l-norepinephrine transporter. <i>Journal of Comparative Neurology</i> , 2000, 420, 211.	1.6	5
81	Axosomatic input to subpopulations of cortically projecting pyramidal neurons in primate prefrontal cortex. <i>Synapse</i> , 1997, 25, 326-334.	1.2	4
82	Prefrontal Cortex Projections to the Rat Amygdala. <i>Annals of the New York Academy of Sciences</i> , 2003, 985, 542-544.	3.8	3
83	Prefrontal Cortical Dopamine Transmission. , 2014, , 467-501.		3
84	Callosal terminals in the rat prefrontal cortex: Synaptic targets and association with GABA-immunoreactive structures. <i>Synapse</i> , 1998, 29, 193-205.	1.2	3
85	Anatomical Characteristics of Norepinephrine Axons in the Prefrontal Cortex: Unexpected Findings That May Indicate Low Activity State in Na ⁺ -ve Animals. , 2007, , 35-65.		2
86	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
87	Axosomatic input to subpopulations of cortically projecting pyramidal neurons in primate prefrontal cortex. <i>Synapse</i> , 1997, 25, 326-334.	1.2	1
88	Brain Structure & Function: the future—a prospective. <i>Brain Structure and Function</i> , 2021, , 1.	2.3	0
89	Dopamine innervation of monkey entorhinal cortex: Postsynaptic targets of tyrosine hydroxylase-immunoreactive terminals. <i>Synapse</i> , 2000, 36, 47.	1.2	0