

James M Tepper

List of Publications by Year in descending order

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90
papers

7,931
citations

57681

46
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64407

83
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docs citations

91
times ranked

6206
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuropilin 2/Plexin-A3 Receptors Regulate the Functional Connectivity and the Excitability in the Layers 4 and 5 of the Cerebral Cortex. <i>Journal of Neuroscience</i> , 2022, , JN-RM-1965-21.	1.7	0
2	Neuropilin 2 Signaling Mediates Corticostriatal Transmission, Spine Maintenance, and Goal-Directed Learning in Mice. <i>Journal of Neuroscience</i> , 2019, 39, 8845-8859.	1.7	24
3	Cortical and thalamic inputs exert cell type-specific feedforward inhibition on striatal GABAergic interneurons. <i>Journal of Neuroscience Research</i> , 2019, 97, 1491-1502.	1.3	10
4	Pedunculopontine Glutamatergic Neurons Provide a Novel Source of Feedforward Inhibition in the Striatum by Selectively Targeting Interneurons. <i>Journal of Neuroscience</i> , 2019, 39, 4727-4737.	1.7	39
5	Opposing Influence of Sensory and Motor Cortical Input on Striatal Circuitry and Choice Behavior. <i>Current Biology</i> , 2019, 29, 1313-1323.e5.	1.8	18
6	Loss of striatal tyrosine hydroxylase interneurons impairs instrumental goal-directed behavior. <i>European Journal of Neuroscience</i> , 2019, 50, 2653-2662.	1.2	10
7	Excitatory extrinsic afferents to striatal interneurons and interactions with striatal microcircuitry. <i>European Journal of Neuroscience</i> , 2019, 49, 593-603.	1.2	67
8	Heterogeneity and Diversity of Striatal GABAergic Interneurons: Update 2018. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 91.	0.9	145
9	Identification and Characterization of a Novel Spontaneously Active Bursty GABAergic Interneuron in the Mouse Striatum. <i>Journal of Neuroscience</i> , 2018, 38, 5688-5699.	1.7	24
10	Differential processing of thalamic information via distinct striatal interneuron circuits. <i>Nature Communications</i> , 2017, 8, 15860.	5.8	72
11	Neostriatal GABAergic Interneurons Mediate Cholinergic Inhibition of Spiny Projection Neurons. <i>Journal of Neuroscience</i> , 2016, 36, 9505-9511.	1.7	65
12	Segregated cholinergic transmission modulates dopamine neurons integrated in distinct functional circuits. <i>Nature Neuroscience</i> , 2016, 19, 1025-1033.	7.1	122
13	Novel fast adapting interneurons mediate cholinergic-induced fast $GABA_A$ inhibitory postsynaptic currents in striatal spiny neurons. <i>European Journal of Neuroscience</i> , 2015, 42, 1764-1774.	1.2	57
14	Dopaminergic and cholinergic modulation of striatal tyrosine hydroxylase interneurons. <i>Neuropharmacology</i> , 2015, 95, 468-476.	2.0	30
15	Are Striatal Tyrosine Hydroxylase Interneurons Dopaminergic?. <i>Journal of Neuroscience</i> , 2015, 35, 6584-6599.	1.7	85
16	Anatomical and electrophysiological changes in striatal TH interneurons after loss of the nigrostriatal dopaminergic pathway. <i>Brain Structure and Function</i> , 2015, 220, 331-349.	1.2	29
17	GABAergic circuits mediate the reinforcement-related signals of striatal cholinergic interneurons. <i>Nature Neuroscience</i> , 2012, 15, 123-130.	7.1	258
18	Introduction to Basal Ganglia X " Proceedings of the 10th Triennial Meeting of the International Basal Ganglia Society. <i>Frontiers in Systems Neuroscience</i> , 2012, 6, 29.	1.2	1

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19	Distribution of Tyrosine Hydroxylase-Expressing Interneurons with Respect to Anatomical Organization of the Neostriatum. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 41.	1.2	24
20	Glutamatergic signaling by midbrain dopaminergic neurons: recent insights from optogenetic, molecular and behavioral studies. <i>Current Opinion in Neurobiology</i> , 2011, 21, 393-401.	2.0	22
21	A Novel Functionally Distinct Subtype of Striatal Neuropeptide Y Interneuron. <i>Journal of Neuroscience</i> , 2011, 31, 16757-16769.	1.7	124
22	Neurophysiology of Substantia Nigra Dopamine Neurons. <i>Handbook of Behavioral Neuroscience</i> , 2010, , 275-296.	0.7	1
23	Glutamatergic Signaling by Mesolimbic Dopamine Neurons in the Nucleus Accumbens. <i>Journal of Neuroscience</i> , 2010, 30, 7105-7110.	1.7	280
24	GABAergic Interneurons of the Striatum. <i>Handbook of Behavioral Neuroscience</i> , 2010, , 151-166.	0.7	7
25	Heterogeneity and Diversity of Striatal GABAergic Interneurons. <i>Frontiers in Neuroanatomy</i> , 2010, 4, 150.	0.9	351
26	Electrophysiological and Morphological Characteristics and Synaptic Connectivity of Tyrosine Hydroxylase-Expressing Neurons in Adult Mouse Striatum. <i>Journal of Neuroscience</i> , 2010, 30, 6999-7016.	1.7	120
27	Differential Dopaminergic Modulation of Neostriatal Synaptic Connections of Striatopallidal Axon Collaterals. <i>Journal of Neuroscience</i> , 2009, 29, 8977-8990.	1.7	73
28	Basal Ganglia Control of Substantia Nigra Dopaminergic Neurons. , 2009, , 71-90.		30
29	Feedforward and feedback inhibition in neostriatal GABAergic spiny neurons. <i>Brain Research Reviews</i> , 2008, 58, 272-281.	9.1	181
30	GABAergic Afferents Activate Both GABAA and GABAB Receptors in Mouse Substantia Nigra Dopaminergic Neurons In Vivo. <i>Journal of Neuroscience</i> , 2008, 28, 10386-10398.	1.7	67
31	A Calcium-Activated Nonselective Cation Conductance Underlies the Plateau Potential in Rat Substantia Nigra GABAergic Neurons. <i>Journal of Neuroscience</i> , 2007, 27, 6531-6541.	1.7	53
32	Basal ganglia macrocircuits. <i>Progress in Brain Research</i> , 2007, 160, 3-7.	0.9	159
33	GABAergic control of substantia nigra dopaminergic neurons. <i>Progress in Brain Research</i> , 2007, 160, 189-208.	0.9	191
34	Morphological and physiological properties of parvalbumin- and calretinin-containing $\hat{1}^3$ -aminobutyric acidergic neurons in the substantia nigra. <i>Journal of Comparative Neurology</i> , 2007, 500, 958-972.	0.9	54
35	Morphological characterization of electrophysiologically and immunohistochemically identified basal forebrain cholinergic and neuropeptide Y-containing neurons. <i>Brain Structure and Function</i> , 2007, 212, 55-73.	1.2	42
36	Endogenous Hydrogen Peroxide Regulates the Excitability of Midbrain Dopamine Neurons via ATP-Sensitive Potassium Channels. <i>Journal of Neuroscience</i> , 2005, 25, 4222-4231.	1.7	143

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37	Feedforward and Feedback Inhibition in the Neostriatum. , 2005, , 457-466.		0
38	Comparison of IPSCs Evoked by Spiny and Fast-Spiking Neurons in the Neostriatum. Journal of Neuroscience, 2004, 24, 7916-7922.	1.7	250
39	Functional diversity and specificity of neostriatal interneurons. Current Opinion in Neurobiology, 2004, 14, 685-692.	2.0	439
40	GABAergic microcircuits in the neostriatum. Trends in Neurosciences, 2004, 27, 662-669.	4.2	384
41	Pallidal control of substantia nigra dopaminergic neuron firing pattern and its relation to extracellular neostriatal dopamine levels. Neuroscience, 2004, 129, 481-489.	1.1	40
42	Cell Type-Specific Differences in Chloride-Regulatory Mechanisms and GABA _A Receptor-Mediated Inhibition in Rat Substantia Nigra. Journal of Neuroscience, 2003, 23, 8237-8246.	1.7	114
43	Dual Cholinergic Control of Fast-Spiking Interneurons in the Neostriatum. Journal of Neuroscience, 2002, 22, 529-535.	1.7	277
44	Afferent Control of Nigral Dopaminergic Neurons. Advances in Behavioral Biology, 2002, , 641-651.	0.2	1
45	Subthalamic Stimulation-Induced Synaptic Responses in Substantia Nigra Pars Compacta Dopaminergic Neurons In Vitro. Journal of Neurophysiology, 1999, 82, 925-933.	0.9	106
46	Inhibitory control of neostriatal projection neurons by GABAergic interneurons. Nature Neuroscience, 1999, 2, 467-472.	7.1	765
47	GABAA receptor stimulation blocks NMDA-induced bursting of dopaminergic neurons in vitro by decreasing input resistance. Brain Research, 1999, 832, 145-151.	1.1	62
48	GABAA and GABAB antagonists differentially affect the firing pattern of substantia nigra dopaminergic neurons in vivo. , 1999, 32, 165-176.		132
49	Striatal, pallidal, and pars reticulata evoked inhibition of nigrostriatal dopaminergic neurons is mediated by GABAA receptors in vivo. Neuroscience, 1999, 89, 799-812.	1.1	126
50	Gabaergic control of rat substantia nigra dopaminergic neurons: role of globus pallidus and substantia nigra pars reticulata. Neuroscience, 1999, 89, 813-825.	1.1	119
51	Morphological and electrophysiological characteristics of noncholinergic basal forebrain neurons. , 1998, 394, 186-204.		37
52	Postnatal development of excitatory synaptic input to the rat neostriatum: An electron microscopic study. Neuroscience, 1998, 84, 1163-1175.	1.1	63
53	Do silent dopaminergic neurons exist in rat substantia nigra in vivo?. Neuroscience, 1998, 85, 1089-1099.	1.1	37
54	Postnatal Development of the Rat Neostriatum: Electrophysiological, Light- and Electron-Microscopic Studies. Developmental Neuroscience, 1998, 20, 125-145.	1.0	163

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55	Functional Roles of Dopamine D ₂ and D ₃ Autoreceptors on Nigrostriatal Neurons Analyzed by Antisense Knockdown <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 1997, 17, 2519-2530.	1.7	123
56	Local infusion of brain-derived neurotrophic factor modifies the firing pattern of dorsal raphé serotonergic neurons. <i>Brain Research</i> , 1996, 712, 293-298.	1.1	73
57	Electrophysiological Consequences of D2 and/or D3 Receptor Knockout by Antisense Oligonucleotides in Nigrostriatal Dopaminergic Neurons. <i>Advances in Behavioral Biology</i> , 1996, , 141-149.	0.2	0
58	GABAA receptor-mediated inhibition of rat substantia nigra dopaminergic neurons by pars reticulata projection neurons. <i>Journal of Neuroscience</i> , 1995, 15, 3092-3103.	1.7	324
59	Cerebellar-responsive neurons in the thalamic ventroanterior-ventrolateral complex of rats: In vivo electrophysiology. <i>Neuroscience</i> , 1994, 63, 711-724.	1.1	40
60	Postnatal changes in the distribution and morphology of rat substantia nigra dopaminergic neurons. <i>Neuroscience</i> , 1994, 60, 469-477.	1.1	68
61	Cerebellar-responsive neurons in the thalamic ventroanterior-ventrolateral complex of rats: Light and electron microscopy. <i>Neuroscience</i> , 1994, 63, 725-745.	1.1	38
62	Chapter 3 In vivo studies of the postnatal development of rat neostriatal neurons. <i>Progress in Brain Research</i> , 1993, 99, 35-50.	0.9	60
63	Analysis of dynamin isoforms in mammalian brain: dynamin-1 expression is spatially and temporally regulated during postnatal development.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 8376-8380.	3.3	43
64	The shell region of the nucleus ovoidalis: A subdivision of the avian auditory thalamus. <i>Journal of Comparative Neurology</i> , 1992, 323, 495-518.	0.9	120
65	Axonal and dendritic arborization of an intracellularly labeled chandelier cell in the CA1 region of rat hippocampus. <i>Experimental Brain Research</i> , 1992, 90, 519-25.	0.7	116
66	Electrophysiological characteristics of cells within mesencephalon suspension grafts. <i>Neuroscience</i> , 1991, 40, 109-122.	1.1	104
67	Amphetamine exerts anomalous effects on dopaminergic neurons in neonatal rats in vivo. <i>European Journal of Pharmacology</i> , 1991, 204, 265-272.	1.7	18
68	Stimulus-evoked changes in neostriatal dopamine levels in awake and anesthetized rats as measured by microdialysis. <i>Brain Research</i> , 1991, 559, 283-292.	1.1	38
69	Dorsal raphé 1/2 stimulation modifies striatal-evoked antidromic invasion of nigral dopaminergic neurons in vivo. <i>Experimental Brain Research</i> , 1991, 84, 620-30.	0.7	58
70	In Vivo Electrophysiology of Central Nervous System Terminal Autoreceptors. <i>Annals of the New York Academy of Sciences</i> , 1990, 604, 470-487.	1.8	7
71	Postnatal development of the electrical activity of rat nigrostriatal dopaminergic neurons. <i>Developmental Brain Research</i> , 1990, 54, 21-33.	2.1	75
72	Mesocortical dopaminergic neurons. 2. Electrophysiological consequences of terminal autoreceptor activation. <i>Brain Research Bulletin</i> , 1989, 22, 517-523.	1.4	18

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73	Mesocortical dopaminergic neurons. 1. Electrophysiological properties and evidence for soma-dendritic autoreceptors. <i>Brain Research Bulletin</i> , 1989, 22, 511-516.	1.4	35
74	Frontal cortex stimulation evoked neostriatal potentials in rats: Intracellular and extracellular analysis. <i>Brain Research Bulletin</i> , 1986, 17, 751-758.	1.4	16
75	Autoreceptor-mediated changes in dopaminergic terminal excitability: Effects of potassium channel blockers. <i>Brain Research</i> , 1986, 367, 230-237.	1.1	12
76	Autoreceptor activation in central monoamine neurons: Modulation of neurotransmitter release is not mediated by intermittent axonal conduction. <i>Neuroscience</i> , 1985, 15, 925-931.	1.1	18
77	Antidromic activation of dorsal raphe neurons from neostriatum: Physiological characterization and effects of terminal autoreceptor activation. <i>Brain Research</i> , 1985, 332, 15-28.	1.1	56
78	Amphetamine's effects on terminal excitability of noradrenergic locus coeruleus neurons are impulse-dependent at low but not high doses. <i>Brain Research</i> , 1985, 341, 155-163.	1.1	19
79	The neuropharmacology of the autoinhibition of monoamine release. <i>Trends in Pharmacological Sciences</i> , 1985, 6, 251-256.	4.0	28
80	Autoreceptor-mediated changes in dopaminergic terminal excitability: Effects of increases in impulse flow. <i>Brain Research</i> , 1984, 309, 299-307.	1.1	41
81	Autoreceptor-mediated changes in dopaminergic terminal excitability: Effects of striatal drug infusions. <i>Brain Research</i> , 1984, 309, 309-316.	1.1	62
82	Changes in noradrenergic terminal excitability induced by amphetamine and their relation to impulse traffic. <i>Neuroscience</i> , 1982, 7, 2217-2224.	1.1	23
83	Noradrenergic terminal excitability: Effects of opioids. <i>Neuroscience Letters</i> , 1982, 30, 57-62.	1.0	43
84	Changes in dopaminergic terminal excitability induced by amphetamine and haloperidol. <i>Brain Research</i> , 1981, 221, 425-431.	1.1	49
85	Neurophysiological consequences of presynaptic receptor activation: changes in noradrenergic terminal excitability. <i>Brain Research</i> , 1981, 226, 155-170.	1.1	60
86	Acoustic priming and kanamycin-induced cochlear damage. <i>Brain Research</i> , 1980, 187, 81-95.	1.1	19
87	Seizure proneness and neurotransmitter uptake. <i>Neurochemical Research</i> , 1979, 4, 755-761.	1.6	6
88	Relations between nicotine-induced convulsive behavior and blood and brain levels of nicotine as a function of sex and age in two inbred strains of mice. <i>Pharmacology Biochemistry and Behavior</i> , 1979, 10, 349-353.	1.3	20
89	Selective breeding for acoustic priming. <i>Behavior Genetics</i> , 1976, 6, 375-383.	1.4	7
90	Opposing Influence of Sensory and Motor Cortex on Striatal Circuitry and Choice Behavior. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0