

Yan Dong

List of Publications by Year in descending order

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93
papers

7,509
citations

87888

38
h-index

56724

83
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98
all docs

98
docs citations

98
times ranked

7205
citing authors

#	ARTICLE	IF	CITATIONS
1	Drugs of Abuse and Stress Trigger a Common Synaptic Adaptation in Dopamine Neurons. <i>Neuron</i> , 2003, 37, 577-582.	8.1	1,334
2	Sex-specific transcriptional signatures in human depression. <i>Nature Medicine</i> , 2017, 23, 1102-1111.	30.7	532
3	Cocaine-induced potentiation of synaptic strength in dopamine neurons: Behavioral correlates in GluRA(-/-) mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14282-14287.	7.1	396
4	Transient neuronal inhibition reveals opposing roles of indirect and direct pathways in sensitization. <i>Nature Neuroscience</i> , 2011, 14, 22-24.	14.8	377
5	CREB modulates excitability of nucleus accumbens neurons. <i>Nature Neuroscience</i> , 2006, 9, 475-477.	14.8	299
6	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
7	Circuit-wide Transcriptional Profiling Reveals Brain Region-Specific Gene Networks Regulating Depression Susceptibility. <i>Neuron</i> , 2016, 90, 969-983.	8.1	272
8	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
9	In Vivo Cocaine Experience Generates Silent Synapses. <i>Neuron</i> , 2009, 63, 40-47.	8.1	229
10	A schizophrenia-related sensorimotor deficit links δ -containing GABA _A receptors to a dopamine hyperfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17154-17159.	7.1	176
11	A Silent Synapse-Based Mechanism for Cocaine-Induced Locomotor Sensitization. <i>Journal of Neuroscience</i> , 2011, 31, 8163-8174.	3.6	156
12	Opposing mechanisms mediate morphine- and cocaine-induced generation of silent synapses. <i>Nature Neuroscience</i> , 2016, 19, 915-925.	14.8	149
13	Circuit and Synaptic Plasticity Mechanisms of Drug Relapse. <i>Journal of Neuroscience</i> , 2017, 37, 10867-10876.	3.6	143
14	The neural rejuvenation hypothesis of cocaine addiction. <i>Trends in Pharmacological Sciences</i> , 2014, 35, 374-383.	8.7	125
15	Cocaine-Induced Plasticity of Intrinsic Membrane Properties in Prefrontal Cortex Pyramidal Neurons: Adaptations in Potassium Currents. <i>Journal of Neuroscience</i> , 2005, 25, 936-940.	3.6	117
16	Exposure to Cocaine Dynamically Regulates the Intrinsic Membrane Excitability of Nucleus Accumbens Neurons. <i>Journal of Neuroscience</i> , 2010, 30, 3689-3699.	3.6	108
17	Homeostatic Synapse-Driven Membrane Plasticity in Nucleus Accumbens Neurons. <i>Journal of Neuroscience</i> , 2009, 29, 5820-5831.	3.6	104
18	Dopamine D1-Class Receptors Selectively Modulate a Slowly Inactivating Potassium Current in Rat Medial Prefrontal Cortex Pyramidal Neurons. <i>Journal of Neuroscience</i> , 2003, 23, 2686-2695.	3.6	103

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19	Sex-Specific Role for the Long Non-coding RNA LINC00473 in Depression. <i>Neuron</i> , 2020, 106, 912-926.e5.	8.1	98
20	Selective presynaptic enhancement of the prefrontal cortex to nucleus accumbens pathway by cocaine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 713-718.	7.1	91
21	Cannabinoid receptor 1-expressing neurons in the nucleus accumbens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2717-25.	7.1	89
22	Progressive maturation of silent synapses governs the duration of a critical period. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3131-40.	7.1	85
23	Cocaine-Induced Synaptic Alterations in Thalamus to Nucleus Accumbens Projection. <i>Neuropsychopharmacology</i> , 2016, 41, 2399-2410.	5.4	83
24	Cocaine-induced metaplasticity in the nucleus accumbens: Silent synapse and beyond. <i>Neuropharmacology</i> , 2011, 61, 1060-1069.	4.1	80
25	Regulation of Energy Homeostasis by Bombesin Receptor Subtype-3: Selective Receptor Agonists for the Treatment of Obesity. <i>Cell Metabolism</i> , 2010, 11, 101-112.	16.2	78
26	Stress resilience is promoted by a Zfp189-driven transcriptional network in prefrontal cortex. <i>Nature Neuroscience</i> , 2019, 22, 1413-1423.	14.8	78
27	Opioid and Psychostimulant Plasticity: Targeting Overlap in Nucleus Accumbens Glutamate Signaling. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 276-294.	8.7	74
28	Repeated cocaine exposure induces sensitization of ultrasonic vocalization in rats. <i>Neuroscience Letters</i> , 2009, 453, 31-35.	2.1	72
29	CREB Modulates the Functional Output of Nucleus Accumbens Neurons. <i>Journal of Biological Chemistry</i> , 2008, 283, 2751-2760.	3.4	66
30	Silent synapses dictate cocaine memory destabilization and reconsolidation. <i>Nature Neuroscience</i> , 2020, 23, 32-46.	14.8	65
31	Positive affective vocalizations during cocaine and sucrose self-administration: A model for spontaneous drug desire in rats. <i>Neuropharmacology</i> , 2011, 61, 268-275.	4.1	64
32	Dopamine Modulates Inwardly Rectifying Potassium Currents in Medial Prefrontal Cortex Pyramidal Neurons. <i>Journal of Neuroscience</i> , 2004, 24, 3077-3085.	3.6	62
33	Nucleus accumbens feedforward inhibition circuit promotes cocaine self-administration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8750-E8759.	7.1	62
34	Cocaine Triggers Astrocyte-Mediated Synaptogenesis. <i>Biological Psychiatry</i> , 2021, 89, 386-397.	1.3	57
35	Prefrontal Cortex to Accumbens Projections in Sleep Regulation of Reward. <i>Journal of Neuroscience</i> , 2016, 36, 7897-7910.	3.6	52
36	Sleep Regulates Incubation of Cocaine Craving. <i>Journal of Neuroscience</i> , 2015, 35, 13300-13310.	3.6	49

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37	Cocaine-induced projection-specific and cell type-specific adaptations in the nucleus accumbens. <i>Molecular Psychiatry</i> , 2022, 27, 669-686.	7.9	45
38	Cocaine-induced homeostatic regulation and dysregulation of nucleus accumbens neurons. <i>Behavioural Brain Research</i> , 2011, 216, 9-18.	2.2	43
39	Stress-induced, glucocorticoid-dependent strengthening of glutamatergic synaptic transmission in midbrain dopamine neurons. <i>Neuroscience Letters</i> , 2009, 452, 273-276.	2.1	40
40	Cascades of Homeostatic Dysregulation Promote Incubation of Cocaine Craving. <i>Journal of Neuroscience</i> , 2018, 38, 4316-4328.	3.6	39
41	Nucleus accumbens fast-spiking interneurons in motivational and addictive behaviors. <i>Molecular Psychiatry</i> , 2021, 26, 234-246.	7.9	38
42	Re-silencing of silent synapses unmasks anti-relapse effects of environmental enrichment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5089-5094.	7.1	37
43	Dopamine D2 Receptor-Activated Ca ²⁺ Signaling Modulates Voltage-Sensitive Sodium Currents in Rat Nucleus Accumbens Neurons. <i>Journal of Neurophysiology</i> , 2005, 93, 1406-1417.	1.8	36
44	Sleep loss alters synaptic and intrinsic neuronal properties in mouse prefrontal cortex. <i>Brain Research</i> , 2011, 1420, 1-7.	2.2	36
45	Calcium-permeable AMPA receptors and silent synapses in cocaine-conditioned place preference. <i>EMBO Journal</i> , 2017, 36, 458-474.	7.8	36
46	Silent Synapses Speak Up. <i>Neuroscientist</i> , 2015, 21, 451-459.	3.5	35
47	An opposing function of paralogs in balancing developmental synapse maturation. <i>PLoS Biology</i> , 2018, 16, e2006838.	5.6	35
48	Adrenergic Gate Release for Spike Timing-Dependent Synaptic Potentiation. <i>Neuron</i> , 2017, 93, 394-408.	8.1	34
49	Differential Roles of Postsynaptic Density-93 Isoforms in Regulating Synaptic Transmission. <i>Journal of Neuroscience</i> , 2013, 33, 15504-15517.	3.6	30
50	Dopamine Triggers Heterosynaptic Plasticity. <i>Journal of Neuroscience</i> , 2013, 33, 6759-6765.	3.6	29
51	Increased Excitability of Lateral Habenula Neurons in Adolescent Rats following Cocaine Self-Administration. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyu109-pyu109.	2.1	29
52	A Feedforward Inhibitory Circuit Mediated by CB1-Expressing Fast-Spiking Interneurons in the Nucleus Accumbens. <i>Neuropsychopharmacology</i> , 2017, 42, 1146-1156.	5.4	29
53	Searching for Presynaptic NMDA Receptors in the Nucleus Accumbens. <i>Journal of Neuroscience</i> , 2011, 31, 18453-18463.	3.6	28
54	Exposure to Cocaine Alters Dynorphin-Mediated Regulation of Excitatory Synaptic Transmission in Nucleus Accumbens Neurons. <i>Biological Psychiatry</i> , 2011, 69, 228-235.	1.3	27

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55	Synaptic Microtubule-Associated Protein EB3 and SRC Phosphorylation Mediate Structural and Behavioral Adaptations During Withdrawal From Cocaine Self-Administration. <i>Journal of Neuroscience</i> , 2019, 39, 5634-5646.	3.6	27
56	Reducing hippocampal cell proliferation in the adult rat does not prevent the acquisition of cocaine-induced conditioned place preference. <i>Neuroscience Letters</i> , 2010, 481, 41-46.	2.1	26
57	A Focus on Reward Prediction and the Lateral Habenula: Functional Alterations and the Behavioral Outcomes Induced by Drugs of Abuse. <i>Frontiers in Synaptic Neuroscience</i> , 2018, 10, 12.	2.5	26
58	Astrocytes in cocaine addiction and beyond. <i>Molecular Psychiatry</i> , 2022, 27, 652-668.	7.9	26
59	A Critical Role of Basolateral Amygdala-to Nucleus Accumbens Projection in Sleep Regulation of Reward Seeking. <i>Biological Psychiatry</i> , 2020, 87, 954-966.	1.3	25
60	Chronic sleep fragmentation enhances habenula cholinergic neural activity. <i>Molecular Psychiatry</i> , 2021, 26, 941-954.	7.9	25
61	Neuropathic pain generates silent synapses in thalamic projection to anterior cingulate cortex. <i>Pain</i> , 2021, 162, 1322-1333.	4.2	25
62	Exposure to Cocaine Regulates Inhibitory Synaptic Transmission in the Nucleus Accumbens. <i>Journal of Neuroscience</i> , 2013, 33, 6753-6758.	3.6	23
63	Silent Synapse-Based Circuitry Remodeling in Drug Addiction. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyv136.	2.1	21
64	Galanin and Galanin-Like Peptide Differentially Modulate Neuronal Activities in Rat Arcuate Nucleus Neurons. <i>Journal of Neurophysiology</i> , 2006, 95, 3228-3234.	1.8	19
65	Cortical and Thalamic Interaction with Amygdala-to-Accumbens Synapses. <i>Journal of Neuroscience</i> , 2020, 40, 7119-7132.	3.6	19
66	Exposure to cocaine regulates inhibitory synaptic transmission from the ventral tegmental area to the nucleus accumbens. <i>Journal of Physiology</i> , 2013, 591, 4827-4841.	2.9	18
67	Withdrawal from repeated morphine administration augments expression of the RhoA network in the nucleus accumbens to control synaptic structure. <i>Journal of Neurochemistry</i> , 2018, 147, 84-98.	3.9	18
68	Synaptic State-Dependent Functional Interplay between Postsynaptic Density-95 and Synapse-Associated Protein 102. <i>Journal of Neuroscience</i> , 2013, 33, 13398-13409.	3.6	15
69	Psychostimulant-Induced Adaptations in Nucleus Accumbens Glutamatergic Transmission. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2020, 10, a039255.	6.2	14
70	Ventral Tegmental Area Projection Regulates Glutamatergic Transmission in Nucleus Accumbens. <i>Scientific Reports</i> , 2019, 9, 18451.	3.3	11
71	AMPA and NMDA Receptor Trafficking at Cocaine-Generated Synapses. <i>Journal of Neuroscience</i> , 2021, 41, 1996-2011.	3.6	11
72	Electrophysiological Analysis of Synaptic Transmission. <i>Neuromethods</i> , 2016, , .	0.3	10

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73	Cocaine-induced neural adaptations in the lateral hypothalamic melanin-concentrating hormone neurons and the role in regulating rapid eye movement sleep after withdrawal. <i>Molecular Psychiatry</i> , 2021, 26, 3152-3168.	7.9	9
74	An Unusual Suspect in Cocaine Addiction. <i>Neuron</i> , 2013, 80, 835-836.	8.1	7
75	Silent Synapses in Cocaine-Associated Memory and Beyond. <i>Journal of Neuroscience</i> , 2021, 41, 9275-9285.	3.6	7
76	GABAB receptors are required for galanin modulation of membrane properties of neurons in the arcuate nucleus of rats. <i>Brain Research</i> , 2008, 1191, 63-68.	2.2	6
77	Homeostatic recovery of downstateâ€“upstate cycling in nucleus accumbens neurons. <i>Neuroscience Letters</i> , 2008, 434, 282-288.	2.1	6
78	Cocaine-Induced Membrane Adaptation in the Central Nucleus of Amygdala. <i>Neuropsychopharmacology</i> , 2013, 38, 2240-2248.	5.4	5
79	Contingent Amygdala Inputs Trigger Heterosynaptic LTP at Hippocampus-To-Accumbens Synapses. <i>Journal of Neuroscience</i> , 2022, 42, 6581-6592.	3.6	5
80	Pre vs. Post synaptic Effect. <i>Neuromethods</i> , 2016, , 175-186.	0.3	2
81	Measuring Presynaptic Release Probability. <i>Neuromethods</i> , 2016, , 133-143.	0.3	1
82	Tipping the Scales Toward Addiction. <i>Biological Psychiatry</i> , 2017, 81, 903-904.	1.3	1
83	Intrinsic Excitability of Cocaine-Associated Memories. <i>Neuropsychopharmacology</i> , 2018, 43, 675-676.	5.4	1
84	Sound of silent synapses from the addicted hippocampus. <i>Neuropsychopharmacology</i> , 2018, 43, 1981-1982.	5.4	1
85	Measurement of Silent Synapses. <i>Neuromethods</i> , 2016, , 217-224.	0.3	1
86	Molecular and Cellular Mechanisms of Addiction. , 2013, , 251-259.		0
87	N-Methyl-D-Aspartate Receptors: â€œCâ€“ing the Culprits Behind Cocaine-Induced Metaplasticity. <i>Biological Psychiatry</i> , 2016, 80, 644-646.	1.3	0
88	374. Circuit-Wide Transcriptional Profiling Reveals Region Specific Gene Co-Expression Networks Regulating Depression Susceptibility. <i>Biological Psychiatry</i> , 2017, 81, S153.	1.3	0
89	A Third-Party Facilitator of Bipartisanship. <i>Biological Psychiatry</i> , 2021, 89, 940-941.	1.3	0
90	Isolation of Synaptic Current. <i>Neuromethods</i> , 2016, , 101-110.	0.3	0

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91	Fast and Slow Synaptic Currents. <i>Neuromethods</i> , 2016, , 111-120.	0.3	0
92	Salt Environment. <i>Neuromethods</i> , 2016, , 55-68.	0.3	0
93	Electrophysiological and Visual Tags. <i>Neuromethods</i> , 2016, , 235-245.	0.3	0