Robert W Greene

List of Publications by Year
in descending order

106 papers	10,396 citations	38742 50 h-index	37204 96 g-index
109 all docs	109 docs citations	109 times ranked	8582 citing authors

#	Article	IF	Citations
1	Norepinephrine transporter antagonism prevents dopamine-dependent synaptic plasticity in the mouse dorsal hippocampus. Neuroscience Letters, 2021, 740, 135450.	2.1	10
2	Interaction between cocaine use and sleep behavior: A comprehensive review of cocaine's disrupting influence on sleep behavior and sleep disruptions influence on reward seeking. Pharmacology Biochemistry and Behavior, 2021, 206, 173194.	2.9	15
3	Sleeping Sickness Disrupts the Sleep-Regulating Adenosine System. Journal of Neuroscience, 2020, 40, 9306-9316.	3.6	14
4	Structure of cortical network activity across natural wake and sleep states in mice. PLoS ONE, 2020, 15, e0233561.	2.5	2
5	Loss of Arc attenuates the behavioral and molecular responses for sleep homeostasis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10547-10553.	7.1	19
6	Enhanced cortical responsiveness during natural sleep in freely behaving mice. Scientific Reports, 2020, 10, 2278.	3.3	6
7	Sleep Deprivation Enhances Cocaine Conditioned Place Preference in an Orexin Receptor-Modulated Manner. ENeuro, 2020, 7, ENEURO.0283-20.2020.	1.9	11
8	An essential role for MEF2C in the cortical response to loss of sleep in mice. ELife, 2020, 9, .	6.0	25
9	Gating and the Need for Sleep: Dissociable Effects of Adenosine A1 and A2A Receptors. Frontiers in Neuroscience, 2019, 13, 740.	2.8	70
10	Slow wave sleep and sleep need resolution. IBRO Reports, 2019, 6, S143.	0.3	0
11	0159 Conditional Knockout Of Adenosine A1 Receptors Occludes Sleep Deprivation-induced Enhancement Of Conditioned Place Preference.. Sleep, 2019, 42, A65-A66.	1.1	0
12	Sleep deprivation alters the time course but not magnitude of locomotor sensitization to cocaine. Scientific Reports, 2018, 8, 17672.	3.3	6
13	Dose response of acute cocaine on sleep/waking behavior in mice. Neurobiology of Sleep and Circadian Rhythms, 2018, 5, 84-93.	2.8	6
14	Defining the Role of Interneuron N-Methyl-D-Aspartate Receptors in Prefrontal Cortex Inhibition. Biological Psychiatry, 2018, 84, 399-400.	1.3	0
15	The adenosine-mediated, neuronal-glial, homeostatic sleep response. Current Opinion in Neurobiology, 2017, 44, 236-242.	4.2	58
16	Sleep, Adenosine, and Neurodegeneration. , 2017, , 111-130.		0
17	0152 SLEEP DEPRIVATION INCREASES COCAINE SEEKING. Sleep, 2017, 40, A57-A57.	1.1	0
18	An Adenosine-Mediated Glial-Neuronal Circuit for Homeostatic Sleep. Journal of Neuroscience, 2016, 36, 3709-3721.	3.6	89

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19	Locus coeruleus and dopaminergic consolidation of everyday memory. Nature, 2016, 537, 357-362.	27.8	561
20	<scp>CA</scp>1â€specific deletion of <scp>NMDA</scp> receptors induces abnormal renewal of a learned fear response. Hippocampus, 2015, 25, 1374-1379.	1.9	15
21	Effects of prefrontal cortex and hippocampal NMDA NR1-subunit deletion on complex cognitive and social behaviors. Brain Research, 2015, 1600, 70-83.	2.2	72
22	A State Dependence of the Response to N-Methyl-D-Aspartate Receptor Antagonism. Biological Psychiatry, 2014, 76, 912-913.	1.3	0
23	IL-11 Is Required for A1 Adenosine Receptorâ€"Mediated Protection against Ischemic AKI. Journal of the American Society of Nephrology: JASN, 2013, 24, 1558-1570.	6.1	18
24	Behavioral and biochemical dissociation of arousal and homeostatic sleep need influenced by prior wakeful experience in mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10288-10293.	7.1	74
25	Role for neuronal nitric oxide synthase in sleep homeostasis and arousal. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19982-19983.	7.1	8
26	The Geometry of Locomotive Behavioral States in C. elegans. PLoS ONE, 2013, 8, e59865.	2.5	79
27	CNS Dopamine Transmission Mediated by Noradrenergic Innervation. Journal of Neuroscience, 2012, 32, 6072-6080.	3.6	156
28	Hippocampal Focal Knockout of CBP Affects Specific Histone Modifications, Long-Term Potentiation, and Long-Term Memory. Neuropsychopharmacology, 2011, 36, 1545-1556.	5.4	207
29	Essential Role for Vav Guanine Nucleotide Exchange Factors in Brain-Derived Neurotrophic Factor-Induced Dendritic Spine Growth and Synapse Plasticity. Journal of Neuroscience, 2011, 31, 12426-12436.	3.6	52
30	Adenosine: front and center in linking nutrition and metabolism to neuronal activity. Journal of Clinical Investigation, 2011, 121, 2548-2550.	8.2	12
31	Identification of the heart as the critical site of adenosine mediated embryo protection. BMC Developmental Biology, 2010, 10, 57.	2.1	13
32	An Anxiolytic Response Exerted by Î²3-Adrenoreceptor Activation: Correlation with an Enhanced Subset of Gabaergic Synaptic Responses. Neuropsychopharmacology, 2010, 35, 1839-1840.	5.4	1
33	Slow Wave Activity During Sleep: Functional and Therapeutic Implications. Neuroscientist, 2010, 16, 618-633.	3.5	56
34	Control and Function of the Homeostatic Sleep Response by Adenosine A₁Receptors. Journal of Neuroscience, 2009, 29, 1267-1276.	3.6	175
35	D₁/D₅Modulation of Synaptic NMDA Receptor Currents. Journal of Neuroscience, 2009, 29, 3109-3119.	3.6	43
36	Adenosine and Sleep. Current Neuropharmacology, 2009, 7, 238-245.	2.9	137

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37	Transient 23â€“30 Hz oscillations in mouse hippocampus during exploration of novel environments. Hippocampus, 2008, 18, 519-529.	1.9	93
38	Negative regulation of cyclin-dependent kinase 5 targets by protein kinase C. European Journal of Pharmacology, 2008, 581, 270-275.	3.5	15
39	Endogenous N-acetylaspartylglutamate reduced NMDA receptor-dependent current neurotransmission in the CA1 area of the hippocampus. Journal of Neurochemistry, 2007, 100, 346-357.	3.9	37
40	Evaluation of neuronal phosphoproteins as effectors of caffeine and mediators of striatal adenosine A2A receptor signaling. Brain Research, 2007, 1129, 1-14.	2.2	13
41	The Role of CA3 Hippocampal NMDA Receptors in Paired Associate Learning. Journal of Neuroscience, 2006, 26, 908-915.	3.6	91
42	Postreactivation Glucocorticoids Impair Recall of Established Fear Memory. Journal of Neuroscience, 2006, 26, 9560-9566.	3.6	220
43	High Frequency EEG Activity during Sleep: Characteristics in Schizophrenia and Depression. Clinical EEG and Neuroscience, 2005, 36, 25-35.	1.7	78
44	Hippocampus, V: Studying Hippocampal Behaviors. American Journal of Psychiatry, 2005, 162, 856-856.	7.2	2
45	Adenosine Mediation of Presynaptic Feedback Inhibition of Glutamate Release. Neuron, 2005, 46, 275-283.	8.1	60
46	Deletion of presynaptic adenosine A1 receptors impairs the recovery of synaptic transmission after hypoxia. Neuroscience, 2005, 132, 575-580.	2.3	42
47	NAAG Reduces NMDA Receptor Current in CA1 Hippocampal Pyramidal Neurons of Acute Slices and Dissociated Neurons. Neuropsychopharmacology, 2005, 30, 7-16.	5.4	60
48	Essential role of brain-derived neurotrophic factor in adult hippocampal function. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10827-10832.	7.1	597
49	Molecular characterization of recombinant mouse adenosine kinase and evaluation as a target for protein phosphorylation. FEBS Journal, 2004, 271, 3547-3555.	0.2	26
50	Schaffer collateral and perforant path inputs activate different subtypes of NMDA receptors on the same CA1 pyramidal cell. British Journal of Pharmacology, 2004, 142, 317-322.	5.4	59
51	Sleep: A Functional Enigma. NeuroMolecular Medicine, 2004, 5, 059-068.	3.4	37
52	Disinhibition of ventrolateral preoptic area sleep-active neurons by adenosine: a new mechanism for sleep promotion. Neuroscience, 2004, 123, 451-457.	2.3	133
53	Zaprinast stimulates extracellular adenosine accumulation in rat pontine slices. Neuroscience Letters, 2004, 371, 12-17.	2.1	4
54	Effects of adenosine on gabaergic synaptic inputs to identified ventrolateral preoptic neurons. Neuroscience, 2003, 119, 913-918.	2.3	120

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55	Focal Deletion of the Adenosine A1 Receptor in Adult Mice Using an Adeno-Associated Viral Vector. Journal of Neuroscience, 2003, 23, 5762-5770.	3.6	92
56	Nicotinic excitation of rat hypoglossal motoneurons. Neuroscience, 2002, 115, 861-870.	2.3	53
57	Adenosine Induces Inositol 1,4,5-Trisphosphate Receptor-Mediated Mobilization of Intracellular Calcium Stores in Basal Forebrain Cholinergic Neurons. Journal of Neuroscience, 2002, 22, 7680-7686.	3.6	44
58	Adenosine-Mediated Presynaptic Modulation of Glutamatergic Transmission in the Laterodorsal Tegmentum. Journal of Neuroscience, 2001, 21, 1076-1085.	3.6	66
59	Circuit analysis of NMDAR hypofunction in the hippocampus, in vitro, and psychosis of schizophrenia. Hippocampus, 2001, 11, 569-577.	1.9	134
60	State-dependent modulation of cognitive function. Behavioral and Brain Sciences, 2000, 23, 945-946.	0.7	0
61	Adenosinergic modulation of basal forebrain and preoptic/anterior hypothalamic neuronal activity in the control of behavioral state. Behavioural Brain Research, 2000, 115, 183-204.	2.2	335
62	Gamma Frequencyâ€“Range Abnormalities to Auditory Stimulation in Schizophrenia. Archives of General Psychiatry, 1999, 56, 1001.	12.3	584
63	Cognitive dysfunction in schizophrenia: unifying basic research and clinical aspects. European Archives of Psychiatry and Clinical Neuroscience, 1999, 249, S69-S82.	3.2	85
64	Lamotrigine may limit pathological excitation in the hippocampus by modulating a transient potassium outward current. Brain Research, 1998, 791, 330-334.	2.2	40
65	Modulation of N-methyl-D-aspartate receptor function by glycine transport. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 15730-15734.	7.1	406
66	Modulation of Calcium and Potassium Currents by Lamotrigine. Neuropsychobiology, 1998, 38, 131-138.	1.9	62
67	Presynaptic Nicotinic Receptors Facilitate Monoaminergic Transmission. Journal of Neuroscience, 1998, 18, 1904-1912.	3.6	170
68	Adenosine: A Mediator of the Sleep-Inducing Effects of Prolonged Wakefulness. Science, 1997, 276, 1265-1268.	12.6	1,120
69	Role of adenosine in behavioral state modulation: a microdialysis study in the freely moving cat. Neuroscience, 1997, 79, 225-235.	2.3	280
70	Glycine-mediated inhibitory postsynaptic potentials in the medial pontine reticular formation of the ratin vitro. Neuroscience, 1996, 73, 791-796.	2.3	89
71	NMDA-dependent modulation of CA1 local circuit inhibition. Journal of Neuroscience, 1996, 16, 2034-2043.	3.6	449
72	Brainstem neuromodulation and REM sleep. Seminars in Neuroscience, 1995, 7, 341-354.	2.2	196

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73	The mechanism of noradrenergic alpha 1 excitatory modulation of pontine reticular formation neurons. Journal of Neuroscience, 1994, 14, 6481-6487.	3.6	36
74	Adenosine inhibition of mesopontine cholinergic neurons: implications for EEG arousal. Science, 1994, 263, 689-692.	12.6	410
75	Abnormal fear response and aggressive behavior in mutant mice deficient for alpha-calcium-calmodulin kinase II. Science, 1994, 266, 291-294.	12.6	288
76	Effect of Metabolic Alterations on the Accumulation of Technetium-99m-Labeled d,l-HMPAO in Slices of Rat Cerebral Cortex. Journal of Cerebral Blood Flow and Metabolism, 1994, 14, 324-331.	4.3	18
77	Electrophysiological analysis of exogenous and endogenous adenosine actions in the rat and human hippocampus in vitro. Drug Development Research, 1993, 28, 386-389.	2.9	5
78	Nicotinic depolarizations of rat medial pontine reticular formation neurons studied in vitro. Neuroscience, 1993, 57, 419-424.	2.3	21
79	Inhibitory action of muscarinic agonists on neurons in the rat laterodorsal tegmental nucleus in vitro. Journal of Neurophysiology, 1993, 70, 2128-2135.	1.8	63
80	Serotonin hyperpolarizes cholinergic low-threshold burst neurons in the rat laterodorsal tegmental nucleus in vitro.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 743-747.	7.1	308
81	Serotonin1 and serotonin2 receptors hyperpolarize and depolarize separate populations of medial pontine reticular formation neurons in vitro. Neuroscience, 1992, 47, 545-553.	2.3	46
82	Distribution of NADPH-diaphorase positive somata in the brainstem of the monitor lizard Varanus exanthematicus. Neuroscience Letters, 1992, 148, 129-132.	2.1	36
83	Excitatory amino acid-mediated responses and synaptic potentials in medial pontine reticular formation neurons of the rat in vitro. Journal of Neuroscience, 1992, 12, 4188-4194.	3.6	34
84	Adenosine-mediated synaptic inhibition: Partial blockade by barium does not prevent anti-epileptiform activity. Synapse, 1992, 11, 191-196.	1.2	12
85	Muscarinic agonists activate an inwardly rectifying potassium conductance in medial pontine reticular formation neurons of the rat in vitro. Journal of Neuroscience, 1991, 11, 3861-3867.	3.6	50
86	Two transient outward currents in histamine neurones of the rat hypothalamus in vitro.. Journal of Physiology, 1990, 420, 149-163.	2.9	57
87	EXCITATION OF BRAIN STEM NEURONS BY NORADRENALINE AND HISTAMINE. Journal of Basic and Clinical Physiology and Pharmacology, 1990, 1, 71-76.	1.3	11
88	Effects of histamine on dentate granule cells in vitro. Neuroscience, 1990, 34, 299-303.	2.3	37
89	Characterization of inhibition mediated by adenosine in the hippocampus of the rat in vitro.. Journal of Physiology, 1989, 417, 567-578.	2.9	157
90	Repetitive firing properties of medial pontine reticular formation neurones of the rat recorded in vitro.. Journal of Physiology, 1989, 410, 533-560.	2.9	25

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91	The brain histamine system in vitro. Journal of Neuroscience Methods, 1989, 28, 71-75.	2.5	15
92	Endogenous adenosine inhibits hippocampal CA1 neurones: further evidence from extra- and intracellular recording. Naunyn-Schmiedeberg's Archives of Pharmacology, 1988, 337, 561-5.	3.0	83
93	IgE-challenged human lung mast cells excite vagal sensory neurons in vitro. Journal of Applied Physiology, 1988, 64, 2249-2253.	2.5	43
94	Action and location of neuropeptide tyrosine (Y) on hippocampal neurons of the rat in slice preparations. Journal of Comparative Neurology, 1987, 257, 208-215.	1.6	91
95	A Simple in vitro Method to Study the Trigeminal Ganglion. Stereotactic and Functional Neurosurgery, 1986, 49, 147-154.	1.5	0
96	Effects of histamine on hippocampal pyramidal cells of the rat in vitro. Experimental Brain Research, 1986, 62, 123-30.	1.5	86
97	A low threshold calcium spike mediates firing pattern alterations in pontine reticular neurons. Science, 1986, 234, 738-740.	12.6	61
98	Long-term potentiation and 4-aminopyridine. Cellular and Molecular Neurobiology, 1985, 5, 297-301.	3.3	9
99	Actions of neurotransmitters on pontine medical reticular formation neurons of the cat. Journal of Neurophysiology, 1985, 54, 520-531.	1.8	93
100	Adenosine actions on CA1 pyramidal neurones in rat hippocampal slices.. Journal of Physiology, 1985, 366, 119-127.	2.9	121
101	Effects of caffeine on hippocampal pyramidal cells in vitro. British Journal of Pharmacology, 1985, 85, 163-169.	5.4	64
102	Stereoselectivity of l-baclofen in hippocampal slices of the rat. Neuroscience Letters, 1985, 55, 1-4.	2.1	22
103	Adenosine enhances afterhyperpolarization and accommodation in hippocampal pyramidal cells. Pflugers Archiv European Journal of Physiology, 1984, 402, 244-247.	2.8	123
104	Biphasic responses to acetylcholine in mammalian reticulospinal neurons. Cellular and Molecular Neurobiology, 1981, 1, 401-405.	3.3	39
105	Brain stem afferents to the periabducens reticular formations (PARF) in the cat. Experimental Brain Research, 1981, 44, 419-26.	1.5	27
106	Arousal-Mediated Sleep Disturbance Persists During Cocaine Abstinence in Male Mice. Frontiers in Neuroscience, 0, 16, .	2.8	1