

John P Bruno

List of Publications by Citations

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69
papers

6,156
citations

38
h-index

69
g-index

69
ext. papers

6,630
ext. citations

5
avg, IF

5.71
L-index

#	Paper	IF	Citations
69	Kynurenes in the mammalian brain: when physiology meets pathology. <i>Nature Reviews Neuroscience</i> , 2012 , 13, 465-77	13.5	869
68	The cognitive neuroscience of sustained attention: where top-down meets bottom-up. <i>Brain Research Reviews</i> , 2001 , 35, 146-60		762
67	Cognitive functions of cortical acetylcholine: toward a unifying hypothesis. <i>Brain Research Reviews</i> , 1997 , 23, 28-46		586
66	Unraveling the attentional functions of cortical cholinergic inputs: interactions between signal-driven and cognitive modulation of signal detection. <i>Brain Research Reviews</i> , 2005 , 48, 98-111		557
65	Attentional functions of cortical cholinergic inputs: what does it mean for learning and memory?. <i>Neurobiology of Learning and Memory</i> , 2003 , 80, 245-56	3.1	230
64	Increases in cortical acetylcholine release during sustained attention performance in rats. <i>Cognitive Brain Research</i> , 2000 , 9, 313-25		198
63	Abnormal regulation of corticopetal cholinergic neurons and impaired information processing in neuropsychiatric disorders. <i>Trends in Neurosciences</i> , 1999 , 22, 67-74	13.3	147
62	Augmented prefrontal acetylcholine release during challenged attentional performance. <i>Cerebral Cortex</i> , 2006 , 16, 9-17	5.1	121
61	Cortical cholinergic transmission and cortical information processing in schizophrenia. <i>Schizophrenia Bulletin</i> , 2005 , 31, 117-38	1.3	121
60	Basal forebrain afferent projections modulating cortical acetylcholine, attention, and implications for neuropsychiatric disorders. <i>Annals of the New York Academy of Sciences</i> , 1999 , 877, 368-82	6.5	121
59	Acute elevations of brain kynurenic acid impair cognitive flexibility: normalization by the alpha7 positive modulator galantamine. <i>Psychopharmacology</i> , 2012 , 220, 627-37	4.7	113
58	The astrocyte-derived alpha7 nicotinic receptor antagonist kynurenic acid controls extracellular glutamate levels in the prefrontal cortex. <i>Journal of Molecular Neuroscience</i> , 2010 , 40, 204-10	3.3	113
57	Ceramic-based multisite microelectrode arrays for simultaneous measures of choline and acetylcholine in CNS. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1382-9	11.8	111
56	Enhanced control of attention by stimulating mesolimbic-corticopetal cholinergic circuitry. <i>Journal of Neuroscience</i> , 2011 , 31, 9760-71	6.6	109
55	Rapid assessment of in vivo cholinergic transmission by amperometric detection of changes in extracellular choline levels. <i>European Journal of Neuroscience</i> , 2004 , 20, 1545-54	3.5	103
54	Cognitive functions of cortical ACh: lessons from studies on trans-synaptic modulation of activated efflux. <i>Trends in Neurosciences</i> , 1994 , 17, 217-21	13.3	91
53	The neglected constituent of the basal forebrain corticopetal projection system: GABAergic projections. <i>European Journal of Neuroscience</i> , 2002 , 15, 1867-73	3.5	82

52	Effects of acute and repeated systemic administration of ketamine on prefrontal acetylcholine release and sustained attention performance in rats. <i>Psychopharmacology</i> , 2002 , 161, 168-79	4.7	78
51	Pre- and postnatal exposure to kynurenine causes cognitive deficits in adulthood. <i>European Journal of Neuroscience</i> , 2012 , 35, 1605-12	3.5	75
50	The effects of manipulations of attentional demand on cortical acetylcholine release. <i>Cognitive Brain Research</i> , 2001 , 12, 353-70		73
49	Age-dependent modulation of in vivo cortical acetylcholine release by benzodiazepine receptor ligands. <i>Brain Research</i> , 1992 , 596, 17-29	3.7	70
48	Stimulation of cortical acetylcholine efflux by FG 7142 measured with repeated microdialysis sampling. <i>Synapse</i> , 1995 , 21, 324-31	2.4	67
47	Elevated levels of kynurenic acid during gestation produce neurochemical, morphological, and cognitive deficits in adulthood: implications for schizophrenia. <i>Neuropharmacology</i> , 2015 , 90, 33-41	5.5	64
46	Bidirectional modulation of stimulated cortical acetylcholine release by benzodiazepine receptor ligands. <i>Brain Research</i> , 1993 , 627, 267-74	3.7	63
45	Second-by-second measurement of acetylcholine release in prefrontal cortex. <i>European Journal of Neuroscience</i> , 2006 , 24, 2749-57	3.5	60
44	Bidirectional modulation of cortical acetylcholine efflux by infusion of benzodiazepine receptor ligands into the basal forebrain. <i>Neuroscience Letters</i> , 1995 , 189, 31-4	3.3	60
43	Basal forebrain glutamatergic modulation of cortical acetylcholine release. <i>Synapse</i> , 2001 , 39, 201-12	2.4	59
42	Second-by-second analysis of alpha 7 nicotine receptor regulation of glutamate release in the prefrontal cortex of awake rats. <i>Synapse</i> , 2009 , 63, 1069-82	2.4	57
41	Operant performance and cortical acetylcholine release: role of response rate, reward density, and non-contingent stimuli. <i>Cognitive Brain Research</i> , 1997 , 6, 23-36		56
40	Continuous kynurenine administration during the prenatal period, but not during adolescence, causes learning and memory deficits in adult rats. <i>Psychopharmacology</i> , 2014 , 231, 2799-809	4.7	55
39	Targeting kynurenine aminotransferase II in psychiatric diseases: promising effects of an orally active enzyme inhibitor. <i>Schizophrenia Bulletin</i> , 2014 , 40 Suppl 2, S152-8	1.3	51
38	Abnormal neurotransmitter release underlying behavioral and cognitive disorders: toward concepts of dynamic and function-specific dysregulation. <i>Neuropsychopharmacology</i> , 2007 , 32, 1452-61	8.7	50
37	Toward modeling age-related changes of attentional abilities in rats: simple and choice reaction time tasks and vigilance. <i>Neurobiology of Aging</i> , 1992 , 13, 759-72	5.6	49
36	Toward a neuro-cognitive animal model of the cognitive symptoms of schizophrenia: disruption of cortical cholinergic neurotransmission following repeated amphetamine exposure in attentional task-performing, but not non-performing, rats. <i>Neuropsychopharmacology</i> , 2007 , 32, 2074-86	8.7	46
35	NMDA and dopamine interactions in the nucleus accumbens modulate cortical acetylcholine release. <i>European Journal of Neuroscience</i> , 2005 , 22, 1731-40	3.5	45

34	Age-dependent plasticity in the dopaminergic control of sensorimotor development. <i>Behavioural Brain Research</i> , 1989 , 35, 95-109	3-4	43
33	Transient inactivation of the neonatal ventral hippocampus impairs attentional set-shifting behavior: reversal with an α 7 nicotinic agonist. <i>Neuropsychopharmacology</i> , 2012 , 37, 2476-86	8-7	39
32	Psychotogenic properties of benzodiazepine receptor inverse agonists. <i>Psychopharmacology</i> , 2001 , 156, 1-13	4-7	39
31	Repeated pretreatment with amphetamine sensitizes increases in cortical acetylcholine release. <i>Psychopharmacology</i> , 2000 , 151, 406-15	4-7	38
30	Microdialysis without acetylcholinesterase inhibition reveals an age-related attenuation in stimulated cortical acetylcholine release. <i>Neurobiology of Aging</i> , 2003 , 24, 861-3	5-6	35
29	Amphetamine-stimulated cortical acetylcholine release: role of the basal forebrain. <i>Brain Research</i> , 2001 , 894, 74-87	3-7	34
28	Trans-synaptic stimulation of cortical acetylcholine release after partial 192 IgG-saporin-induced loss of cortical cholinergic afferents. <i>Journal of Neuroscience</i> , 1996 , 16, 6592-600	6-6	33
27	Glutamate receptors in nucleus accumbens mediate regionally selective increases in cortical acetylcholine release. <i>Synapse</i> , 2007 , 61, 115-23	2-4	31
26	Oral administration of a specific kynurenic acid synthesis (KAT II) inhibitor attenuates evoked glutamate release in rat prefrontal cortex. <i>Neuropharmacology</i> , 2017 , 121, 69-78	5-5	27
25	D2-like receptors in nucleus accumbens negatively modulate acetylcholine release in prefrontal cortex. <i>Neuropharmacology</i> , 2007 , 53, 455-63	5-5	27
24	Sensitization of cortical acetylcholine release by repeated administration of nicotine in rats. <i>Psychopharmacology</i> , 2003 , 165, 346-58	4-7	27
23	In vivo neurochemical correlates of cognitive processes: methodological and conceptual challenges. <i>Reviews in the Neurosciences</i> , 1999 , 10, 25-48	4-7	27
22	Stimulation of cortical acetylcholine release following blockade of ionotropic glutamate receptors in nucleus accumbens. <i>European Journal of Neuroscience</i> , 2002 , 16, 1259-66	3-5	23
21	Prenatal kynurenine exposure in rats: age-dependent changes in NMDA receptor expression and conditioned fear responding. <i>Psychopharmacology</i> , 2016 , 233, 3725-3735	4-7	22
20	Animal Models in Biological Psychiatry 37-44		21
19	Preferential Disruption of Prefrontal GABAergic Function by Nanomolar Concentrations of the α 7nACh Negative Modulator Kynurenic Acid. <i>Journal of Neuroscience</i> , 2017 , 37, 7921-7929	6-6	20
18	Localized infusions of the partial α 7 nicotinic receptor agonist SSR180711 evoke rapid and transient increases in prefrontal glutamate release. <i>Neuroscience</i> , 2013 , 255, 55-67	3-9	19
17	Disruption of mesolimbic regulation of prefrontal cholinergic transmission in an animal model of schizophrenia and normalization by chronic clozapine treatment. <i>Neuropsychopharmacology</i> , 2009 , 34, 2710-20	8-7	16

16	Effects of AMPA and D1 receptor activation on striatal and nigral GABA efflux. <i>Synapse</i> , 1997 , 26, 254-68.	4	16
15	Activation of alpha7 nicotinic and NMDA receptors is necessary for performance in a working memory task. <i>Psychopharmacology</i> , 2020 , 237, 1723-1735	4.7	15
14	Astrocytes as Pharmacological Targets in the Treatment of Schizophrenia. <i>Handbook of Behavioral Neuroscience</i> , 2016 , 23, 423-443	0.7	15
13	Transient inactivation of the neonatal ventral hippocampus permanently disrupts the mesolimbic regulation of prefrontal cholinergic transmission: implications for schizophrenia. <i>Neuropsychopharmacology</i> , 2011 , 36, 2477-87	8.7	14
12	Forebrain dopaminergic-cholinergic interactions, attentional effort, psychostimulant addiction and schizophrenia. <i>Exs</i> , 2006 , 98, 65-86		11
11	Age-dependent neurobehavioral plasticity following forebrain dopamine depletions. <i>Developmental Neuroscience</i> , 1998 , 20, 164-79	2.2	10
10	Development of uncoupling between D1- and D2-mediated motor behavior in rats depleted of dopamine as neonates. <i>Developmental Psychobiology</i> , 1994 , 27, 409-24	3	8
9	Positive allosteric modulators of the $\alpha 7$ nicotinic acetylcholine receptor potentiate glutamate release in the prefrontal cortex of freely-moving rats. <i>Neuropharmacology</i> , 2016 , 111, 78-91	5.5	7
8	Restoring tripartite glutamatergic synapses: A potential therapy for mood and cognitive deficits in Gulf War illness. <i>Neurobiology of Stress</i> , 2020 , 13, 100240	7.6	7
7	Sensitivity to the motoric effects of a dopamine receptor antagonist differs as a function of age at the time of dopamine depletion 1997 , 30, 293-300		5
6	Neurochemical correlates of sparing from motor deficits in rats depleted of striatal dopamine as weanlings. <i>Developmental Psychobiology</i> , 2003 , 43, 373-83	3	5
5	Developmental plasticity in the D1- and D2-mediation of motor behavior in rats depleted of dopamine as neonates. <i>Developmental Psychobiology</i> , 1996 , 29, 653-66	3	5
4	Transient inactivation of the ventral hippocampus in neonatal rats impairs the mesolimbic regulation of prefrontal glutamate release in adulthood. <i>Neuropharmacology</i> , 2014 , 84, 19-30	5.5	4
3	Presynaptic regulation and neurotransmitter modulation of acetylcholine release 2006 , 99-112		1
2	Aminergic Transmitter Systems in Cognitive Disorders 235-245		
1	192 IgG-Saporin-Induced Partial Cortical Cholinergic Deafferentation as a Model for Determining the Interactions Between Brain Aging and Neurodevelopmental Defects in the Cortical Cholinergic Input System 2005 , 87-100		