John D Elsworth

List of Publications by Year
in descending order

66 papers	3,661 citations	186265 28 h-index	138484 58 g-index
70 all docs	70 docs citations	70 times ranked	5016 citing authors

#	Article	IF	Citations
1	Enduring Cognitive Deficits and Cortical Dopamine Dysfunction in Monkeys After Long-Term Administration of Phencyclidine. Science, 1997, 277, 953-955.	12.6	393
2	Inflammasome-driven catecholamine catabolism in macrophages blunts lipolysis during ageing. Nature, 2017, 550, 119-123.	27.8	329
3	Ghrelin Promotes and Protects Nigrostriatal Dopamine Function via a UCP2-Dependent Mitochondrial Mechanism. Journal of Neuroscience, 2009, 29, 14057-14065.	3.6	245
4	Estrogen Is Essential for Maintaining Nigrostriatal Dopamine Neurons in Primates: Implications for Parkinson's Disease and Memory. Journal of Neuroscience, 2000, 20, 8604-8609.	3.6	244
5	Molecular and cellular reorganization of neural circuits in the human lineage. Science, 2017, 358, 1027-1032.	12.6	192
6	Uncoupling Protein-2 Is Critical for Nigral Dopamine Cell Survival in a Mouse Model of Parkinson's Disease. Journal of Neuroscience, 2005, 25, 184-191.	3.6	181
7	In the Blink of an Eye: Relating Positive-Feedback Sensitivity to Striatal Dopamine D₂-Like Receptors through Blink Rate. Journal of Neuroscience, 2014, 34, 14443-14454.	3.6	135
8	Ghrelin-AMPK Signaling Mediates the Neuroprotective Effects of Calorie Restriction in Parkinson's Disease. Journal of Neuroscience, 2016, 36, 3049-3063.	3.6	128
9	Prenatal exposure to bisphenol A impacts midbrain dopamine neurons and hippocampal spine synapses in non-human primates. NeuroToxicology, 2013, 35, 113-120.	3.0	106
10	Targeting AMPK Signaling as a Neuroprotective Strategy in Parkinsonâ€™s Disease. Journal of Parkinson's Disease, 2018, 8, 161-181.	2.8	89
11	Dopamine D 4 receptor antagonist reversal of subchronic phencyclidine-induced object retrieval/detour deficits in monkeys. Psychopharmacology, 1999, 142, 78-84.	3.1	86
12	Human neural stem cells migrate along the nigrostriatal pathway in a primate model of Parkinson's disease. Experimental Neurology, 2008, 211, 362-369.	4.1	86
13	PPARÎ³/PGC1Î± signaling as a potential therapeutic target for mitochondrial biogenesis in neurodegenerative disorders. , 2021, 219, 107705.		77
14	Fear-like biochemical and behavioral responses in rats to the predator odor, TMT, are dependent on the exposure environment. Synapse, 2002, 46, 11-18.	1.2	75
15	Phencyclidine Increases Forebrain Monoamine Metabolism in Rats and Monkeys: Modulation by the Isomers of HA966. Journal of Neuroscience, 1997, 17, 1769-1775.	3.6	74
16	Metformin Prevents Nigrostriatal Dopamine Degeneration Independent of AMPK Activation in Dopamine Neurons. PLoS ONE, 2016, 11, e0159381.	2.5	63
17	Neural Stem Cells Derived from Human Parthenogenetic Stem Cells Engraft and Promote Recovery in a Nonhuman Primate Model of Parkinson's Disease. Cell Transplantation, 2016, 25, 1945-1966.	2.5	59
18	Repeated phencyclidine in monkeys results in loss of parvalbumin-containing axo-axonic projections in the prefrontal cortex. Psychopharmacology, 2007, 192, 283-290.	3.1	56

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19	A comparison of the effects of clonidine and CNQX infusion into the locus coeruleus and the amygdala on naloxone-precipitated opiate withdrawal in the rat. Psychopharmacology, 1998, 138, 133-142.	3.1	55
20	An updated insight into the molecular pathogenesis, secondary complications and potential therapeutics of COVID-19 pandemic. Life Sciences, 2020, 257, 118105.	4.3	55
21	Divergent effects of putative anxiolytics on stress-induced Fos expression in the mesoprefrontal system of the rat. Synapse, 2000, 36, 143-154.	1.2	53
22	Impact of methamphetamine on dopamine neurons in primates is dependent on age: implications for development of Parkinson's disease. Neuroscience, 2011, 189, 277-285.	2.3	45
23	Preexposure to, but Not Cotreatment with, the Neurotensin Antagonist SR 48692 Delays the Development of Cocaine Sensitization. Neuropsychopharmacology, 1994, 11, 215-222.	5.4	44
24	Acylated but not desâ€acyl ghrelin is neuroprotective in an <scp>MPTP</scp> mouse model of Parkinson's disease. Journal of Neurochemistry, 2016, 137, 460-471.	3.9	44
25	Low circulating levels of bisphenolâ€A induce cognitive deficits and loss of asymmetric spine synapses in dorsolateral prefrontal cortex and hippocampus of adult male monkeys. Journal of Comparative Neurology, 2015, 523, 1248-1257.	1.6	40
26	Selective Increase in Dopamine Utilization in the Shell Subdivision of the Nucleus Accumbens by the Benzodiazepine Inverse Agonist FG 7142. Journal of Neurochemistry, 2002, 65, 770-774.	3.9	39
27	Phencyclidine-induced Loss of Asymmetric Spine Synapses in Rodent Prefrontal Cortex is Reversed by Acute and Chronic Treatment with Olanzapine. Neuropsychopharmacology, 2011, 36, 2054-2061.	5.4	38
28	Asenapine effects on cognitive and monoamine dysfunction elicited by subchronic phencyclidine administration. Neuropharmacology, 2012, 62, 1442-1452.	4.1	34
29	Parkinsonâ€™s disease treatment: past, present, and future. Journal of Neural Transmission, 2020, 127, 785-791.	2.8	29
30	Prenatal exposure to cocaine is associated with increased number of spine synapses in rat prelimbic cortex. Synapse, 2007, 61, 862-865.	1.2	26
31	Biochemical and behavioral anxiolytic-like effects of R (+)HA-966 at the level of the ventral tegmental area in rats. Psychopharmacology, 1999, 143, 227-234.	3.1	25
32	Axo-Axonic Structures in the Medial Prefrontal Cortex of the Rat: Reduction by Prenatal Exposure to Cocaine. Journal of Neuroscience, 2003, 23, 5227-5234.	3.6	25
33	Prenatal cocaine exposure increases mesoprefrontal dopamine neuron responsivity to mild stress. Synapse, 2001, 42, 80-83.	1.2	24
34	Prenatal exposure to cocaine reduces the number and enhances reactivity of A10 dopaminergic neurons to environmental stress. Synapse, 2001, 41, 337-344.	1.2	22
35	Clozapine Normalizes Prefrontal Cortex Dopamine Transmission in Monkeys Subchronically Exposed to Phencyclidine. Neuropsychopharmacology, 2008, 33, 491-496.	5.4	22
36	Apoptotic natural cell death in developing primate dopamine midbrain neurons occurs during a restricted period in the second trimester of gestation. Experimental Neurology, 2007, 204, 802-807.	4.1	21

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37	Prenatal exposure to cocaine selectively disrupts the development of parvalbumin containing local circuit neurons in the medial prefrontal cortex of the rat. Synapse, 2005, 56, 1-11.	1.2	20
38	Tyrosine enhances behavioral and mesocorticolimbic dopaminergic responses to aversive conditioning. , 1996, 22, 100-105.		19
39	Dysregulation of Mesoprefrontal Dopamine Neurons Induced by Acute and Repeated Phencyclidine Administration in the Nonhuman Primate: Implications for Schizophrenia. Advances in Pharmacology, 1997, 42, 810-814.	2.0	19
40	Comparison of Fetal Mesencephalic Grafts, AAV-delivered GDNF, and Both Combined in an MPTP-induced Nonhuman Primate Parkinsonâ€™s Model. Molecular Therapy, 2013, 21, 2160-2168.	8.2	19
41	Developmental expression of paraoxonase 2. Chemico-Biological Interactions, 2016, 259, 168-174.	4.0	19
42	Loss of asymmetric spine synapses in prefrontal cortex of motor-asymptomatic, dopamine-depleted, cognitively impaired MPTP-treated monkeys. International Journal of Neuropsychopharmacology, 2013, 16, 905-912.	2.1	18
43	Pioglitazone activates paraoxonase-2 in the brain: A novel neuroprotective mechanism. Experimental Neurology, 2020, 327, 113234.	4.1	18
44	Neural Transplantation for Neurodegenerative Diseases: Past, Present, and Futurea. Annals of the New York Academy of Sciences, 1993, 695, 258-266.	3.8	17
45	Cognitive performance of juvenile monkeys after chronic fluoxetine treatment. Developmental Cognitive Neuroscience, 2017, 26, 52-61.	4.0	17
46	Clonidine and guanfacine attenuate phencyclidine-induced dopamine overflow in rat prefrontal cortex: Mediating influence of the alpha-2A adrenoceptor subtype. Brain Research, 2008, 1246, 41-46.	2.2	16
47	Survival and Integration of Neurons Derived from Human Embryonic Stem Cells in MPTP-Lesioned Primates. Cell Transplantation, 2014, 23, 981-994.	2.5	15
48	Loss of asymmetric spine synapses in dorsolateral prefrontal cortex of cognitively impaired phencyclidine-treated monkeys. International Journal of Neuropsychopharmacology, 2011, 14, 1411-1415.	2.1	14
49	Primate Phencyclidine Model of Schizophrenia: Sex-Specific Effects on Cognition, Brain Derived Neurotrophic Factor, Spine Synapses, and Dopamine Turnover in Prefrontal Cortex. International Journal of Neuropsychopharmacology, 2015, 18, pyu048-pyu048.	2.1	13
50	Development of A9/A10 dopamine neurons during the second and third trimesters in the African green monkey. Journal of Comparative Neurology, 2005, 488, 215-223.	1.6	10
51	Biochemical analysis of caudate nucleus biopsy samples from parkinsonian patients. Annals of Neurology, 1988, 24, 685-688.	5.3	9
52	Metabolic Energy Capacity of Dopaminergic Grafts and the Implanted Striatum in Parkinsonian Nonhuman Primates as Visualized with Cytochrome Oxidase Histochemistry. Cell Transplantation, 1997, 6, 135-140.	2.5	9
53	Human-Monkey Chimeras for Modeling Human Disease: Opportunities and Challenges. Methods in Molecular Biology, 2019, 2005, 221-231.	0.9	9
54	Pioglitazone transiently stimulates paraoxonase-2 expression in male nonhuman primate brain: Implications for sex-specific therapeutics in neurodegenerative disorders. Neurochemistry International, 2022, 152, 105222.	3.8	9

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55	Blockade of FG 7142-Induced Increased Dopamine Utilization by the Glycine/NMDA Receptor Antagonist (+)-HA 966. Journal of Neurochemistry, 2002, 66, 1959-1962.	3.9	8
56	Humanâ€“Monkey Chimeras for Modeling Human Disease: Opportunities and Challenges. Stem Cells and Development, 2018, 27, 1599-1604.	2.1	8
57	ERK-independent African Green monkey pluripotent stem cells in a putative chimera-competent state. Biochemical and Biophysical Research Communications, 2019, 510, 78-84.	2.1	7
58	Gene therapy and immunotherapy as promising strategies to combat Huntingtonâ€™s disease-associated neurodegeneration: emphasis on recent updates and future perspectives. Expert Review of Neurotherapeutics, 2020, 20, 1123-1141.	2.8	7
59	Large neutral amino acids levels in primate cerebrospinal fluid do not confirm competitive transport under baseline conditions. Brain Research, 2016, 1648, 372-379.	2.2	6
60	Intrathecal amyloidâ€beta oligomer administration increases tau phosphorylation in the medial temporal lobe in the African green monkey: A nonhuman primate model of Alzheimer's disease. Neuropathology and Applied Neurobiology, 2022, 48, .	3.2	5
61	Generation of Pluripotent Stem Cells Using Somatic Cell Nuclear Transfer and Induced Pluripotent Somatic Cells from African Green Monkeys. Stem Cells and Development, 2020, 29, 1294-1307.	2.1	4
62	Sex-based disparity in paraoxonase-2 expression in the brains of African green monkeys. Free Radical Biology and Medicine, 2021, 167, 201-204.	2.9	4
63	Expression of PON2 isoforms varies among brain regions in male and female African green monkeys. Free Radical Biology and Medicine, 2022, 178, 215-218.	2.9	2
64	Transplantation advances in parkinson's disease. Movement Disorders, 1989, 4, S120-S125.	3.9	1
65	Pregnancy, a Risky Time: Keep Calm, Clean, and Carry On!. Biological Psychiatry, 2013, 74, 478-479.	1.3	0
66	Coordinated expression of dopamine transporter and vesicular monoamine transporter in the primate striatum during development. Synapse, 2013, 67, 580-585.	1.2	0