Michael J Forster

List of Publications by Year
in descending order

62 papers	2,173 citations	201674 27 h-index	233421 45 g-index
62 all docs	62 docs citations	62 times ranked	3204 citing authors

#	Article	IF	Citations
1	Sex differences in neurobehavioral consequences of methamphetamine exposure in adult mice. Psychopharmacology, 2022, 239, 2331-2349.	3.1	6
2	Expression of stable and reliable preference and aversion phenotypes following place conditioning with psychostimulants. Psychopharmacology, 2022, 239, 2593-2603.	3.1	3
3	Behavioral effects of four novel synthetic cathinone analogs in rodents. Addiction Biology, 2021, 26, e12987.	2.6	15
4	Early loss of cerebellar Purkinje cells in human and a transgenic mouse model of Alzheimerâ€™s disease. Neurological Research, 2021, 43, 570-581.	1.3	9
5	Early Chronic Methamphetamine Exposure Induces Cognitive Impairments and Oxidative Damage in Adult Mice. FASEB Journal, 2021, 35, .	0.5	0
6	Novel pharmacotherapy: NNI-362, an allosteric p70S6 kinase stimulator, reverses cognitive and neural regenerative deficits in models of aging and disease. Stem Cell Research and Therapy, 2021, 12, 59.	5.5	9
7	Effects of dietary 5-methoxyindole-2-carboxylic acid on brain functional recovery after ischemic stroke. Behavioural Brain Research, 2020, 378, 112278.	2.2	5
8	Carisoprodol pharmacokinetics and distribution in the nucleus accumbens correlates with behavioral effects in rats independent from its metabolism to meprobamate. Neuropharmacology, 2020, 174, 108152.	4.1	0
9	Methylenedioxymethamphetamine-like discriminative stimulus effects of pyrrolidinyl cathinones in rats. Journal of Psychopharmacology, 2020, 34, 778-785.	4.0	8
10	Pharmacologic fibroblast reprogramming into photoreceptors restores vision. Nature, 2020, 581, 83-88.	27.8	66
11	Missense variants in NOX1 and p22phox in a case of very-early-onset inflammatory bowel disease are functionally linked to NOD2. Journal of Physical Education and Sports Management, 2019, 5, a002428.	1.2	13
12	Locomotor activity and discriminative stimulus effects of five novel synthetic cathinone analogs in mice and rats. Drug and Alcohol Dependence, 2019, 199, 50-58.	3.2	27
13	Supplementation with N-Acetyl Cysteine Affects Motor and Cognitive Function in Young but Not Old Mice. Journal of Nutrition, 2019, 149, 463-470.	2.9	4
14	Cannabinoid-like effects of five novel carboxamide synthetic cannabinoids. NeuroToxicology, 2019, 70, 72-79.	3.0	32
15	Mitochondrial protein sulfenation during aging in the rat brain. Biophysics Reports, 2018, 4, 104-113.	0.8	6
16	Dissociation of Striatal Dopamine and Tyrosine Hydroxylase Expression from Aging-Related Motor Decline: Evidence from Calorie Restriction Intervention. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 11-20.	3.6	25
17	Î”9-Tetrahydrocannabinol-like discriminative stimulus effects of five novel synthetic cannabinoids in rats. Psychopharmacology, 2018, 235, 673-680.	3.1	12
18	Gait Analyses in Mice: Effects of Age and Glutathione Deficiency. , 2018, 9, 634.		11

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19	Impure but not inactive: Behavioral pharmacology of dibenzylpiperazine, a common by-product of benzylpiperazine synthesis. Journal of Psychopharmacology, 2018, 32, 802-810.	4.0	1
20	Characterization of the Neurochemical and Behavioral Effects of Solriamfetol (JZP-110), a Selective Dopamine and Norepinephrine Reuptake Inhibitor. Journal of Pharmacology and Experimental Therapeutics, 2018, 366, 367-376.	2.5	64
21	Alternative mitochondrial electron transfer for the treatment of neurodegenerative diseases and cancers: Methylene blue connects the dots. Progress in Neurobiology, 2017, 157, 273-291.	5.7	52
22	Locomotor activity and discriminative stimulus effects of a novel series of synthetic cathinone analogs in mice and rats. Psychopharmacology, 2017, 234, 1237-1245.	3.1	30
23	Administration of 5-methoxyindole-2-carboxylic acid that potentially targets mitochondrial dihydrolipoamide dehydrogenase confers cerebral preconditioning against ischemic stroke injury. Free Radical Biology and Medicine, 2017, 113, 244-254.	2.9	18
24	Discriminative stimulus and locomotor effects of para-substituted and benzofuran analogs of amphetamine. Drug and Alcohol Dependence, 2017, 180, 39-45.	3.2	18
25	Pancreatic mitochondrial complex I exhibits aberrant hyperactivity in diabetes. Biochemistry and Biophysics Reports, 2017, 11, 119-129.	1.3	40
26	Retrograde conditioning of place preference and motor activity with cocaine in mice. Psychopharmacology, 2017, 234, 515-522.	3.1	4
27	Metformin Impairs Spatial Memory and Visual Acuity in Old Male Mice. , 2017, 8, 17.		62
28	Locomotor, discriminative stimulus, and place conditioning effects of MDAI in rodents. Behavioural Pharmacology, 2016, 27, 497-505.	1.7	18
29	Mass spectrometric analysis of carisoprodol and meprobamate in rat brain microdialysates. Journal of Mass Spectrometry, 2016, 51, 900-907.	1.6	2
30	Î”9-Tetrahydrocannabinol-like effects of novel synthetic cannabinoids in mice and rats. Psychopharmacology, 2016, 233, 1901-1910.	3.1	33
31	Mitochondrial Dihydrolipoamide Dehydrogenase Is Upregulated in Response to Intermittent Hypoxic Preconditioning. International Journal of Medical Sciences, 2015, 12, 432-440.	2.5	10
32	Neuroprotective Effects of Transcription Factor Brn3b in an Ocular Hypertension Rat Model of Glaucoma. Investigative Ophthalmology and Visual Science, 2015, 56, 893-907.	3.3	29
33	Comparative Behavioral Pharmacology of Three Pyrrolidine-Containing Synthetic Cathinone Derivatives. Journal of Pharmacology and Experimental Therapeutics, 2015, 354, 103-110.	2.5	62
34	Curcumin Mimics the Neurocognitive and Anti-Inflammatory Effects of Caloric Restriction in a Mouse Model of Midlife Obesity. PLoS ONE, 2015, 10, e0140431.	2.5	26
35	Caloric Restriction and Dietary Curcumin Improve Functional Outcomes of Aging in Mice. FASEB Journal, 2015, 29, LB495.	0.5	0
36	Coenzyme Q10 and Î±-tocopherol reversed age-associated functional impairments in mice. Experimental Gerontology, 2014, 58, 208-218.	2.8	27

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37	Caloric restriction and the aging process: a critique. Free Radical Biology and Medicine, 2014, 73, 366-382.	2.9	150
38	Coenzyme Q10 supplementation reverses age-related impairments in spatial learning and lowers protein oxidation. Age, 2013, 35, 1821-1834.	3.0	42
39	Association Between Variants of PRDM1 and NDP52 and Crohn's Disease, Based on Exome Sequencing and Functional Studies. Gastroenterology, 2013, 145, 339-347.	1.3	149
40	Does phytoestrogen supplementation affect cognition differentially in males and females?. Brain Research, 2013, 1514, 123-127.	2.2	30
41	Psychopharmacology of a prominent HIV antiretroviral drug. FASEB Journal, 2013, 27, 664.6.	0.5	2
42	Prolonged Intake of Coenzyme Q10 Impairs Cognitive Functions in Mice. Journal of Nutrition, 2009, 139, 1926-1932.	2.9	37
43	Profiling psychomotor and cognitive aging in four-way cross mice. Age, 2006, 28, 265-282.	3.0	28
44	Spatial learning and psychomotor performance of C57BL/6 mice: age sensitivity and reliability of individual differences. Age, 2006, 28, 235-253.	3.0	41
45	Rodent models of brain aging and neurodegeneration. Age, 2006, 28, 219-220.	3.0	1
46	Effect of coenzyme Q10 intake on endogenous coenzyme Q content, mitochondrial electron transport chain, antioxidative defenses, and life span of mice. Free Radical Biology and Medicine, 2006, 40, 480-487.	2.9	111
47	Concurrent administration of coenzyme Q10 and Î±-tocopherol improves learning in aged mice. Free Radical Biology and Medicine, 2005, 38, 729-736.	2.9	73
48	Short-term vitamin E intake fails to improve cognitive or psychomotor performance of aged mice. Free Radical Biology and Medicine, 2004, 36, 1424-1433.	2.9	31
49	Genotype and age influence the effect of caloric intake on mortality in mice. FASEB Journal, 2003, 17, 690-692.	0.5	206
50	Coenzyme Q Intake Elevates the Mitochondrial and Tissue Levels of Coenzyme Q and Î±-Tocopherol in Young Mice. Journal of Nutrition, 2003, 133, 3175-3180.	2.9	80
51	Dopamine transporter binding without cocaine-like behavioral effects: synthesis and evaluation of benztropine analogs alone and in combination with cocaine in rodents. Psychopharmacology, 2001, 154, 362-374.	3.1	37
52	Reversible Effects of Long-Term Caloric Restriction on Protein Oxidative Damage. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2000, 55, B522-B529.	3.6	109
53	Effects of coenzyme Q10 and Î±-tocopherol administration on their tissue levels in the mouse: elevation of mitochondrial Î±-tocopherol by coenzyme Q10. Free Radical Biology and Medicine, 1999, 26, 1375-1382.	2.9	139
54	Estimating age-related changes in psychomotor function: influence of practice and of level of caloric intake in different genotypesâ˜†. Neurobiology of Aging, 1999, 20, 167-176.	3.1	41

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55	Differential responsiveness to cocaine in C57BL/6J and DBA/2J mice. Psychopharmacology, 1998, 138, 82-88.	3.1	53
56	Autoimmune mice as models for discovery of drugs against age-related dementia. Drug Development Research, 1991, 24, 1-27.	2.9	7
57	Elevation of blood pressure as the basis for discriminative stimuli produced by methoxamine. Drug Development Research, 1990, 20, 145-153.	2.9	2
58	Cholinergic modulation of aged-like retention deficits in young autoimmune mice. International Journal of Developmental Neuroscience, 1990, 8, 679-687.	1.6	3
59	Immune dysfunctions: New targets of drug discovery for alzheimerapos;s disease and other cognitive disorders. Drug Development Research, 1988, 15, 95-99.	2.9	7
60	Behavioral approach to probe altered neurotransmission in autoimmune NZB/BINJ mice: Implications for investigations of cognitive dysfunctions. Drug Development Research, 1988, 15, 275-295.	2.9	6
61	Memory for discriminated escape learning: Pharmacologic enhancement and disruption. Drug Development Research, 1987, 11, 97-106.	2.9	10
62	Cognitive disorders related to immune dysfunction: Novel animal models for drug development. Drug Development Research, 1986, 7, 195-208.	2.9	31