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	Genotype and age influence the effect of caloric intake on mortality in mice. FASEB Journal, 2003, 17, 690-692.	0.5	206
2	Caloric restriction and the aging process: a critique. Free Radical Biology and Medicine, 2014, 73, 366-382.	2.9	150
3	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
4	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
5	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
6	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
7	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
8	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
9	Pharmacologic fibroblast reprogramming into photoreceptors restores vision. Nature, 2020, 581, 83-88.	27.8	66
10	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
11	Comparative Behavioral Pharmacology of Three Pyrrolidine-Containing Synthetic Cathinone Derivatives. Journal of Pharmacology and Experimental Therapeutics, 2015, 354, 103-110.	2.5	62
12	Metformin Impairs Spatial Memory and Visual Acuity in Old Male Mice. , 2017, 8, 17.		62
13	Differential responsiveness to cocaine in C57BL/6J and DBA/2J mice. Psychopharmacology, 1998, 138, 82-88.	3.1	53
14	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
15	Coenzyme Q10 supplementation reverses age-related impairments in spatial learning and lowers protein oxidation. Age, 2013, 35, 1821-1834.	3.0	42
16	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
17	Spatial learning and psychomotor performance of C57BL/6 mice: age sensitivity and reliability of individual differences. Age, 2006, 28, 235-253.	3.0	41
18	Pancreatic mitochondrial complex I exhibits aberrant hyperactivity in diabetes. Biochemistry and Biophysics Reports, 2017, 11, 119-129.	1.3	40

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19	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
20	Prolonged Intake of Coenzyme Q10 Impairs Cognitive Functions in Mice. Journal of Nutrition, 2009, 139, 1926-1932.	2.9	37
21	Î”9-Tetrahydrocannabinol-like effects of novel synthetic cannabinoids in mice and rats. Psychopharmacology, 2016, 233, 1901-1910.	3.1	33
22	Cannabinoid-like effects of five novel carboxamide synthetic cannabinoids. NeuroToxicology, 2019, 70, 72-79.	3.0	32
23	Cognitive disorders related to immune dysfunction: Novel animal models for drug development. Drug Development Research, 1986, 7, 195-208.	2.9	31
24	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
25	Does phytoestrogen supplementation affect cognition differentially in males and females?. Brain Research, 2013, 1514, 123-127.	2.2	30
26	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
27	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
28	Profiling psychomotor and cognitive aging in four-way cross mice. Age, 2006, 28, 265-282.	3.0	28
29	Coenzyme Q10 and Î±-tocopherol reversed age-associated functional impairments in mice. Experimental Gerontology, 2014, 58, 208-218.	2.8	27
30	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
31	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
32	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
33	Locomotor, discriminative stimulus, and place conditioning effects of MDAI in rodents. Behavioural Pharmacology, 2016, 27, 497-505.	1.7	18
34	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
35	Discriminative stimulus and locomotor effects of para-substituted and benzofuran analogs of amphetamine. Drug and Alcohol Dependence, 2017, 180, 39-45.	3.2	18
36	Behavioral effects of four novel synthetic cathinone analogs in rodents. Addiction Biology, 2021, 26, e12987.	2.6	15

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37	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
38	Î”9-Tetrahydrocannabinol-like discriminative stimulus effects of five novel synthetic cannabinoids in rats. Psychopharmacology, 2018, 235, 673-680.	3.1	12
39	Gait Analyses in Mice: Effects of Age and Glutathione Deficiency. , 2018, 9, 634.		11
40	Memory for discriminated escape learning: Pharmacologic enhancement and disruption. Drug Development Research, 1987, 11, 97-106.	2.9	10
41	Mitochondrial Dihydrolipoamide Dehydrogenase Is Upregulated in Response to Intermittent Hypoxic Preconditioning. International Journal of Medical Sciences, 2015, 12, 432-440.	2.5	10
42	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
43	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
44	Methylenedioxymethamphetamine-like discriminative stimulus effects of pyrrolidinyl cathinones in rats. Journal of Psychopharmacology, 2020, 34, 778-785.	4.0	8
45	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
46	Autoimmune mice as models for discovery of drugs against age-related dementia. Drug Development Research, 1991, 24, 1-27.	2.9	7
47	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
48	Mitochondrial protein sulfenation during aging in the rat brain. Biophysics Reports, 2018, 4, 104-113.	0.8	6
49	Sex differences in neurobehavioral consequences of methamphetamine exposure in adult mice. Psychopharmacology, 2022, 239, 2331-2349.	3.1	6
50	Effects of dietary 5-methoxyindole-2-carboxylic acid on brain functional recovery after ischemic stroke. Behavioural Brain Research, 2020, 378, 112278.	2.2	5
51	Retrograde conditioning of place preference and motor activity with cocaine in mice. Psychopharmacology, 2017, 234, 515-522.	3.1	4
52	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
53	Cholinergic modulation of aged-like retention deficits in young autoimmune mice. International Journal of Developmental Neuroscience, 1990, 8, 679-687.	1.6	3
54	Expression of stable and reliable preference and aversion phenotypes following place conditioning with psychostimulants. Psychopharmacology, 2022, 239, 2593-2603.	3.1	3

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55	Elevation of blood pressure as the basis for discriminative stimuli produced by methoxamine. Drug Development Research, 1990, 20, 145-153.	2.9	2
56	Mass spectrometric analysis of carisoprodol and meprobamate in rat brain microdialysates. Journal of Mass Spectrometry, 2016, 51, 900-907.	1.6	2
57	Psychopharmacology of a prominent HIV antiretroviral drug. FASEB Journal, 2013, 27, 664.6.	0.5	2
58	Rodent models of brain aging and neurodegeneration. Age, 2006, 28, 219-220.	3.0	1
59	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
60	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
61	Early Chronic Methamphetamine Exposure Induces Cognitive Impairments and Oxidative Damage in Adult Mice. FASEB Journal, 2021, 35, .	0.5	0
62	Caloric Restriction and Dietary Curcumin Improve Functional Outcomes of Aging in Mice. FASEB Journal, 2015, 29, LB495.	0.5	0