

Matthew O Parker

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

7,803
citations

156536

32
h-index

60403

85
g-index

110
all docs

110
docs citations

110
times ranked

14283
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations Between Self-reported Inhibitory Control, Stress, and Alcohol (Mis)use During the First Wave of the COVID-19 Pandemic in the UK: a National Cross-sectional Study Utilising Data From Four Birth Cohorts. <i>International Journal of Mental Health and Addiction</i> , 2023, 21, 350-371.	4.4	5
2	Using zebrafish (<i>Danio rerio</i>) models to understand the critical role of social interactions in mental health and wellbeing. <i>Progress in Neurobiology</i> , 2022, 208, 101993.	2.8	18
3	The zebrafish (<i>Danio rerio</i>) anxiety test battery: comparison of behavioral responses in the novel tank diving and light-dark tasks following exposure to anxiogenic and anxiolytic compounds. <i>Psychopharmacology</i> , 2022, 239, 287-296.	1.5	29
4	Modelling ADHD-Like Phenotypes in Zebrafish. <i>Current Topics in Behavioral Neurosciences</i> , 2022, , .	0.8	3
5	The critical impact of sex on preclinical alcohol research - insights from zebrafish. <i>Frontiers in Neuroendocrinology</i> , 2022, , 101014.	2.5	0
6	Moderate early life stress improves adult zebrafish (<i>Danio rerio</i>) working memory but does not affect social and anxiety-like responses. <i>Developmental Psychobiology</i> , 2021, 63, 54-64.	0.9	27
7	The Free-movement pattern Y-maze: A cross-species measure of working memory and executive function. <i>Behavior Research Methods</i> , 2021, 53, 536-557.	2.3	43
8	Chronic unpredictable early-life stress (CUELS) protocol: Early-life stress changes anxiety levels of adult zebrafish. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 108, 110087.	2.5	20
9	High-Throughput Screening of Psychotropic Compounds: Impacts on Swimming Behaviours in <i>Artemia franciscana</i> . <i>Toxics</i> , 2021, 9, 64.	1.6	8
10	The cognitive and behavioral effects of D-amphetamine and nicotine sensitization in adult zebrafish. <i>Psychopharmacology</i> , 2021, 238, 2191-2200.	1.5	10
11	Dopaminergic modulation of working memory and cognitive flexibility in a zebrafish model of aging-related cognitive decline. <i>Neurobiology of Aging</i> , 2021, 102, 1-16.	1.5	10
12	Tricaine Methanesulfonate (MS222) Has Short-Term Effects on Young Adult Zebrafish (<i>Danio rerio</i>) Working Memory and Cognitive Flexibility, but Not on Aging Fish. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 686102.	1.0	5
13	The effects of two stressors on working memory and cognitive flexibility in zebrafish (<i>Danio rerio</i>): The protective role of D1/D5 agonist on stress responses. <i>Neuropharmacology</i> , 2021, 196, 108681.	2.0	9
14	The impact of chronic unpredictable early-life stress (CUELS) on boldness and stress-reactivity: Differential effects of stress duration and context of testing. <i>Physiology and Behavior</i> , 2021, 240, 113526.	1.0	8
15	The impact of water changes on stress and subject variation in a zebrafish (<i>Danio rerio</i>) anxiety-related task. <i>Journal of Neuroscience Methods</i> , 2021, 363, 109347.	1.3	10
16	Editorial: Post-anesthesia Cognitive Dysfunction: How, When and Why. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 797483.	1.0	0
17	Zebrafish as a Model of Neurodevelopmental Disorders. <i>Neuroscience</i> , 2020, 445, 3-11.	1.1	53
18	Screening for drugs to reduce zebrafish aggression identifies caffeine and sildenafil. <i>European Neuropsychopharmacology</i> , 2020, 30, 17-29.	0.3	17

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19	Female adult zebrafish (<i>Danio rerio</i>) show higher levels of anxiety-like behavior than males, but do not differ in learning and memory capacity. <i>European Journal of Neuroscience</i> , 2020, 52, 2604-2613.	1.2	46
20	Concomitant taurine exposure counteracts ethanol-induced changes in locomotor and anxiety-like responses in zebrafish. <i>Psychopharmacology</i> , 2020, 237, 735-743.	1.5	11
21	The importance of pH: How aquarium water is affecting behavioural responses to drug exposure in larval zebrafish. <i>Pharmacology Biochemistry and Behavior</i> , 2020, 199, 173066.	1.3	10
22	Zebrafish models of impulsivity and impulse control disorders. <i>European Journal of Neuroscience</i> , 2020, 52, 4233-4248.	1.2	8
23	Cross-species Analyses of Intra-species Behavioral Differences in Mammals and Fish. <i>Neuroscience</i> , 2020, 429, 33-45.	1.1	9
24	Understanding the neurobiological effects of drug abuse: Lessons from zebrafish models. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 100, 109873.	2.5	23
25	Alcohol use and misuse during the COVID-19 pandemic: a potential public health crisis?. <i>Lancet Public Health</i> , The, 2020, 5, e259.	4.7	437
26	Higher olfactory sensitivity to coffee odour in habitual caffeine users.. <i>Experimental and Clinical Psychopharmacology</i> , 2020, 28, 245-250.	1.3	3
27	Identification of slit3 as a locus affecting nicotine preference in zebrafish and human smoking behaviour. <i>ELife</i> , 2020, 9, .	2.8	21
28	Zebrafish (<i>Danio rerio</i>) behavioral laterality predicts increased short-term avoidance memory but not stress-reactivity responses. <i>Animal Cognition</i> , 2019, 22, 1051-1061.	0.9	31
29	Abnormal repetitive behaviors in zebrafish and their relevance to human brain disorders. <i>Behavioural Brain Research</i> , 2019, 367, 101-110.	1.2	18
30	Animal models of major depressive disorder and the implications for drug discovery and development. <i>Expert Opinion on Drug Discovery</i> , 2019, 14, 365-378.	2.5	14
31	Zebrafish models for attention deficit hyperactivity disorder (ADHD). <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 100, 9-18.	2.9	35
32	Psychosocial stress increases craving for alcohol in social drinkers: Effects of risk-taking. <i>Drug and Alcohol Dependence</i> , 2018, 185, 192-197.	1.6	28
33	Missense variants in the X-linked gene <i>PRPS1</i> cause retinal degeneration in females. <i>Human Mutation</i> , 2018, 39, 80-91.	1.1	23
34	Potential role for selenium in the pathophysiology of crib-biting behavior in horses. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2018, 23, 10-14.	0.5	16
35	Moderate developmental alcohol exposure reduces repetitive alternation in a zebrafish model of fetal alcohol spectrum disorders. <i>Neurotoxicology and Teratology</i> , 2018, 70, 1-9.	1.2	25
36	The role of stress-reactivity, stress-recovery and risky decision-making in psychosocial stress-induced alcohol consumption in social drinkers. <i>Psychopharmacology</i> , 2018, 235, 3243-3257.	1.5	41

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37	Causal and functional interpretation of mu- and delta-opioid receptor profiles in mesoaccumbens and nigrostriatal pathways of an oral stereotypy phenotype. <i>Behavioural Brain Research</i> , 2018, 353, 108-113.	1.2	12
38	Taurine modulates acute ethanol-induced social behavioral deficits and fear responses in adult zebrafish. <i>Journal of Psychiatric Research</i> , 2018, 104, 176-182.	1.5	29
39	Species-specific behaviours in amphipods highlight the need for understanding baseline behaviours in ecotoxicology. <i>Aquatic Toxicology</i> , 2018, 202, 173-180.	1.9	25
40	Shape and size of the arenas affect amphipod behaviours: implications for ecotoxicology. <i>PeerJ</i> , 2018, 6, e5271.	0.9	20
41	Alterations of antioxidant status markers in dairy cows during lactation and in the dry period. <i>Journal of Dairy Research</i> , 2017, 84, 49-53.	0.7	13
42	Zebrafish Behavioral Models of Ageing. , 2017, , 241-258.		7
43	Developing a 3-choice serial reaction time task for examining neural and cognitive function in an equine model. <i>Journal of Neuroscience Methods</i> , 2017, 292, 45-52.	1.3	25
44	Applied neurophysiology of the horse; implications for training, husbandry and welfare. <i>Applied Animal Behaviour Science</i> , 2017, 190, 90-101.	0.8	25
45	Assessing the Value of the Zebrafish Conditioned Place Preference Model for Predicting Human Abuse Potential. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 363, 66-79.	1.3	31
46	Causal factors of oral versus locomotor stereotypy in the horse. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2017, 20, 37-43.	0.5	36
47	Acute-phase proteins, oxidative stress, and antioxidant defense in crib-biting horses. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2017, 20, 31-36.	0.5	12
48	Modeling OCD Endophenotypes in Zebrafish. , 2017, , 131-143.		0
49	Moderate alcohol exposure during early brain development increases stimulus-response habits in adulthood. <i>Addiction Biology</i> , 2016, 21, 49-60.	1.4	28
50	Role of Active Contraction and Tropomodulins in Regulating Actin Filament Length and Sarcomere Structure in Developing Zebrafish Skeletal Muscle. <i>Frontiers in Physiology</i> , 2016, 7, 91.	1.3	7
51	Understanding autism and other neurodevelopmental disorders through experimental translational neurobehavioral models. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 65, 292-312.	2.9	63
52	Genetic and environmental modulation of neurodevelopmental disorders: Translational insights from labs to beds. <i>Brain Research Bulletin</i> , 2016, 125, 79-91.	1.4	43
53	Neural modulators of temperament: A multivariate approach to personality trait identification in the horse. <i>Physiology and Behavior</i> , 2016, 167, 125-131.	1.0	28
54	Improving treatment of neurodevelopmental disorders: recommendations based on preclinical studies. <i>Expert Opinion on Drug Discovery</i> , 2016, 11, 11-25.	2.5	16

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55	Adult vertebrate behavioural aquatic toxicology: Reliability and validity. <i>Aquatic Toxicology</i> , 2016, 170, 323-329.	1.9	28
56	Sustained Effects of Developmental Exposure to Ethanol on Zebrafish Anxiety-Like Behaviour. <i>PLoS ONE</i> , 2016, 11, e0148425.	1.1	47
57	Translational Pharmacology of a Putative Measure of Motor Impulsivity in Larval Zebrafish. <i>Current Psychopharmacology</i> , 2016, 5, 73-84.	0.1	5
58	Developmental role of acetylcholinesterase in impulse control in zebrafish. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 271.	1.0	16
59	Adolescents Care but Don't Feel Responsible for Farm Animal Welfare. <i>Society and Animals</i> , 2015, 23, 269-297.	0.1	13
60	The disrupted basal ganglia and behavioural control: An integrative cross-domain perspective of spontaneous stereotypy. <i>Behavioural Brain Research</i> , 2015, 276, 45-58.	1.2	46
61	Molecular psychiatry of zebrafish. <i>Molecular Psychiatry</i> , 2015, 20, 2-17.	4.1	174
62	Atomoxetine reduces anticipatory responding in a 5-choice serial reaction time task for adult zebrafish. <i>Psychopharmacology</i> , 2014, 231, 2671-2679.	1.5	34
63	The utility of zebrafish to study the mechanisms by which ethanol affects social behavior and anxiety during early brain development. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 55, 94-100.	2.5	83
64	Parallel Mechanisms for Visual Search in Zebrafish. <i>PLoS ONE</i> , 2014, 9, e111540.	1.1	16
65	Overshadowing of geometric cues by a beacon in a spatial navigation task. <i>Learning and Behavior</i> , 2013, 41, 179-191.	0.5	13
66	Behavioral Phenotyping of <i>Casper</i> Mutant and 1-Pheny-2-Thiourea Treated Adult Zebrafish. <i>Zebrafish</i> , 2013, 10, 466-471.	0.5	56
67	The genomic landscape of hypodiploid acute lymphoblastic leukemia. <i>Nature Genetics</i> , 2013, 45, 242-252.	9.4	588
68	The role of zebrafish (<i>Danio rerio</i>) in dissecting the genetics and neural circuits of executive function. <i>Frontiers in Neural Circuits</i> , 2013, 7, 63.	1.4	107
69	Development and automation of a test of impulse control in zebrafish. <i>Frontiers in Systems Neuroscience</i> , 2013, 7, 65.	1.2	40
70	Zebrafish (<i>Danio rerio</i>) models of substance abuse: Harnessing the capabilities. <i>Behaviour</i> , 2012, 149, 1037-1062.	0.4	14
71	An <i>Inv(16)(p13.3q24.3)</i> -Encoded <i>CBFA2T3-GLIS2</i> Fusion Protein Defines an Aggressive Subtype of Pediatric Acute Megakaryoblastic Leukemia. <i>Cancer Cell</i> , 2012, 22, 683-697.	7.7	213
72	Assessing telomeric DNA content in pediatric cancers using whole-genome sequencing data. <i>Genome Biology</i> , 2012, 13, R113.	13.9	31

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73	Low and moderate alcohol consumption during pregnancy: effects on social behaviour and propensity to develop substance abuse in later life. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2012, 119, 1671-1672.	1.1	3
74	Somatic histone H3 alterations in pediatric diffuse intrinsic pontine gliomas and non-brainstem glioblastomas. <i>Nature Genetics</i> , 2012, 44, 251-253.	9.4	1,402
75	Development and implementation of a three-choice serial reaction time task for zebrafish (<i>Danio</i>) Tj ETQq1 1 0.784314 rgBT /Overloc 1.2 53	1.2	53
76	Discrimination reversal and attentional sets in zebrafish (<i>Danio rerio</i>). <i>Behavioural Brain Research</i> , 2012, 232, 264-268.	1.2	65
77	Effects of exposure to moderate levels of ethanol during prenatal brain development on dendritic length, branching, and spine density in the nucleus accumbens and dorsal striatum of adult rats. <i>Alcohol</i> , 2012, 46, 577-584.	0.8	35
78	The genetic basis of early T-cell precursor acute lymphoblastic leukaemia. <i>Nature</i> , 2012, 481, 157-163.	13.7	1,430
79	Novel mutations target distinct subgroups of medulloblastoma. <i>Nature</i> , 2012, 488, 43-48.	13.7	742
80	Housing Conditions Differentially Affect Physiological and Behavioural Stress Responses of Zebrafish, as well as the Response to Anxiolytics. <i>PLoS ONE</i> , 2012, 7, e34992.	1.1	121
81	Association of Age at Diagnosis and Genetic Mutations in Patients With Neuroblastoma. <i>JAMA - Journal of the American Medical Association</i> , 2012, 307, 1062.	3.8	379
82	Noise-Induced Stabilization in Population Dynamics. <i>Physical Review Letters</i> , 2011, 107, 180603.	2.9	22
83	Effect of low light and high noise on behavioural activity, physiological indicators of stress and production in laying hens. <i>British Poultry Science</i> , 2011, 52, 666-674.	0.8	29
84	Progressive Erosion of β -Cell Function Precedes the Onset of Hyperglycemia in the NOD Mouse Model of Type 1 Diabetes. <i>Diabetes</i> , 2011, 60, 2086-2091.	0.3	64
85	The impact of chronic environmental stressors on growing pigs, <i>Sus scrofa</i> (Part 1): stress physiology, production and play behaviour. <i>Animal</i> , 2010, 4, 1899-1909.	1.3	25
86	The impact of chronic environmental stressors on growing pigs, <i>Sus scrofa</i> (Part 2): social behaviour. <i>Animal</i> , 2010, 4, 1910-1921.	1.3	23
87	Exendin-4 treatment of nonobese diabetic mice increases beta-cell proliferation and fractional insulin reactive area. <i>Journal of Diabetes and Its Complications</i> , 2010, 24, 163-167.	1.2	20
88	Rabbit Polyclonal Mouse Antithymocyte Globulin Administration Alters Dendritic Cell Profile and Function in NOD Mice to Suppress Diabetogenic Responses. <i>Journal of Immunology</i> , 2009, 182, 4608-4615.	0.4	17
89	Comparison of Polar [®] heart rate interval data with simultaneously recorded ECG signals in horses. <i>Comparative Exercise Physiology</i> , 2009, 6, 137-142.	0.3	52
90	Integration of <i>ERG</i> gene mapping and gene expression profiling identifies distinct categories of human prostate cancer. <i>BJU International</i> , 2009, 103, 1256-1269.	1.3	54

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91	Differential place and response learning in horses displaying an oral stereotypy. Behavioural Brain Research, 2009, 200, 100-105.	1.2	27
92	Exendin ⁴ Therapy in NOD Mice with New-Onset Diabetes Increases Regulatory T Cell Frequency. Annals of the New York Academy of Sciences, 2008, 1150, 152-156.	1.8	36
93	Survey of breeders' management of horses in Europe, North America and Australia: Comparison of factors associated with the development of abnormal behaviour. Applied Animal Behaviour Science, 2008, 114, 206-215.	0.8	50
94	Impaired instrumental choice in crib-biting horses (<i>Equus caballus</i>). Behavioural Brain Research, 2008, 191, 137-140.	1.2	40
95	Murine Antithymocyte Globulin Therapy Alters Disease Progression in NOD Mice by a Time-Dependent Induction of Immunoregulation. Diabetes, 2008, 57, 405-414.	0.3	74