

Matthew Hale

List of Publications by Year in descending order

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85
papers

2,777
citations

236925

25
h-index

197818

49
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87
all docs

87
docs citations

87
times ranked

3336
citing authors

#	ARTICLE	IF	CITATIONS
1	Serotonergic Systems, Anxiety, and Affective Disorder. <i>Annals of the New York Academy of Sciences</i> , 2008, 1148, 86-94.	3.8	240
2	Functional topography of midbrain and pontine serotonergic systems: implications for synaptic regulation of serotonergic circuits. <i>Psychopharmacology</i> , 2011, 213, 243-264.	3.1	201
3	Immunization with a heat-killed preparation of the environmental bacterium <i>Mycobacterium vaccae</i> promotes stress resilience in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3130-9.	7.1	186
4	Stress-related Serotonergic Systems: Implications for Symptomatology of Anxiety and Affective Disorders. <i>Cellular and Molecular Neurobiology</i> , 2012, 32, 695-708.	3.3	163
5	Differential effects of exposure to low-light or high-light open-field on anxiety-related behaviors: Relationship to c-Fos expression in serotonergic and non-serotonergic neurons in the dorsal raphe nucleus. <i>Brain Research Bulletin</i> , 2007, 72, 32-43.	3.0	144
6	Adverse experience during early life and adulthood interact to elevate tph2 mRNA expression in serotonergic neurons within the dorsal raphe nucleus. <i>Neuroscience</i> , 2009, 163, 991-1001.	2.3	89
7	Exposure to an open-field arena increases c-Fos expression in a subpopulation of neurons in the dorsal raphe nucleus, including neurons projecting to the basolateral amygdaloid complex. <i>Neuroscience</i> , 2008, 157, 733-748.	2.3	78
8	Repeated social defeat increases reactive emotional coping behavior and alters functional responses in serotonergic neurons in the rat dorsal raphe nucleus. <i>Physiology and Behavior</i> , 2011, 104, 272-282.	2.1	78
9	Adverse early life experience and social stress during adulthood interact to increase serotonin transporter mRNA expression. <i>Brain Research</i> , 2009, 1305, 47-63.	2.2	76
10	Exposure to high- and low-light conditions in an open-field test of anxiety increases c-Fos expression in specific subdivisions of the rat basolateral amygdaloid complex. <i>Brain Research Bulletin</i> , 2006, 71, 174-182.	3.0	74
11	Exposure to an open-field arena increases c-Fos expression in a distributed anxiety-related system projecting to the basolateral amygdaloid complex. <i>Neuroscience</i> , 2008, 155, 659-672.	2.3	71
12	Multiple anxiogenic drugs recruit a parvalbumin-containing subpopulation of GABAergic interneurons in the basolateral amygdala. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2010, 34, 1285-1293.	4.8	65
13	Greater glucocorticoid receptor activation in hippocampus of aged rats sensitizes microglia. <i>Neurobiology of Aging</i> , 2015, 36, 1483-1495.	3.1	62
14	Investigation of a central nucleus of the amygdala/dorsal raphe nucleus serotonergic circuit implicated in fear-potentiated startle. <i>Neuroscience</i> , 2011, 179, 104-119.	2.3	56
15	Calorie restriction attenuates lipopolysaccharide (LPS)-induced microglial activation in discrete regions of the hypothalamus and the subfornical organ. <i>Brain, Behavior, and Immunity</i> , 2014, 38, 13-24.	4.1	54
16	Integrative physiology of depression and antidepressant drug action: Implications for serotonergic mechanisms of action and novel therapeutic strategies for treatment of depression. , 2013, 137, 108-118.		50
17	Evidence for in vivo thermosensitivity of serotonergic neurons in the rat dorsal raphe nucleus and raphe pallidus nucleus implicated in thermoregulatory cooling. <i>Experimental Neurology</i> , 2011, 227, 264-278.	4.1	49
18	Swim stress activates serotonergic and nonserotonergic neurons in specific subdivisions of the rat dorsal raphe nucleus in a temperature-dependent manner. <i>Neuroscience</i> , 2011, 197, 251-268.	2.3	47

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19	A Systematic Review and Meta-analysis of the Effort-Reward Imbalance Model of Workplace Stress and Hypothalamic-Pituitary-Adrenal Axis Measures of Stress. <i>Psychosomatic Medicine</i> , 2018, 80, 103-113.	2.0	46
20	Somatic influences on subjective well-being and affective disorders: the convergence of thermosensory and central serotonergic systems. <i>Frontiers in Psychology</i> , 2014, 5, 1580.	2.1	38
21	Post-weaning social isolation of female rats, anxiety-related behavior, and serotonergic systems. <i>Brain Research</i> , 2012, 1443, 1-17.	2.2	36
22	Chronic work stress and decreased vagal tone impairs decision making and reaction time in jockeys. <i>Psychoneuroendocrinology</i> , 2017, 84, 151-158.	2.7	35
23	Urocortin 2 increases c-Fos expression in serotonergic neurons projecting to the ventricular/periventricular system. <i>Experimental Neurology</i> , 2010, 224, 271-281.	4.1	33
24	Topographic organization and chemoarchitecture of the dorsal raphe nucleus and the median raphe nucleus. , 2008, , 25-67.		33
25	Post-weaning social isolation attenuates c-Fos expression in GABAergic interneurons in the basolateral amygdala of adult female rats. <i>Physiology and Behavior</i> , 2012, 107, 719-725.	2.1	28
26	An online mindfulness-based program is effective in improving affect, over-commitment, optimism and mucosal immunity. <i>Physiology and Behavior</i> , 2019, 199, 20-27.	2.1	28
27	Platelets in Multiple Sclerosis: Early and Central Mediators of Inflammation and Neurodegeneration and Attractive Targets for Molecular Imaging and Site-Directed Therapy. <i>Frontiers in Immunology</i> , 2021, 12, 620963.	4.8	27
28	Development–environment interactions control tph2 mRNA expression. <i>Neuroscience</i> , 2013, 237, 139-150.	2.3	26
29	Diet, behavior and immunity across the lifespan. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 58, 46-62.	6.1	26
30	Calorie restriction increases lipopolysaccharide-induced neuropeptide Y immunolabeling and reduces microglial cell area in the arcuate hypothalamic nucleus. <i>Neuroscience</i> , 2015, 285, 236-247.	2.3	26
31	Carryover Effects Associated with the Single-Trial Passive Avoidance Learning Task in the Young Chick. <i>Neurobiology of Learning and Memory</i> , 2002, 78, 321-331.	1.9	25
32	Mild Closed-Head Injury in Conscious Rats Causes Transient Neurobehavioral and Glial Disturbances: A Novel Experimental Model of Concussion. <i>Journal of Neurotrauma</i> , 2019, 36, 2260-2271.	3.4	25
33	Fluoxetine inhibits corticotropin-releasing factor (CRF)-induced behavioural responses in rats. <i>Stress</i> , 2009, 12, 225-239.	1.8	23
34	Development by environment interactions controlling tryptophan hydroxylase expression. <i>Journal of Chemical Neuroanatomy</i> , 2011, 41, 219-226.	2.1	23
35	Acute Administration of the Nonpathogenic, Saprophytic Bacterium, <i>Mycobacterium vaccae</i> , Induces Activation of Serotonergic Neurons in the Dorsal Raphe Nucleus and Antidepressant-Like Behavior in Association with Mild Hypothermia. <i>Cellular and Molecular Neurobiology</i> , 2018, 38, 289-304.	3.3	23
36	Platelet Depletion is Effective in Ameliorating Anxiety-Like Behavior and Reducing the Pro-Inflammatory Environment in the Hippocampus in Murine Experimental Autoimmune Encephalomyelitis. <i>Journal of Clinical Medicine</i> , 2019, 8, 162.	2.4	23

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37	The effects of the dopamine D1 receptor antagonist SCH23390 on memory reconsolidation following reminder-activated retrieval in day-old chicks. <i>Neurobiology of Learning and Memory</i> , 2005, 83, 104-112.	1.9	22
38	Anxiogenic drug administration and elevated plus-maze exposure in rats activate populations of relaxin-3 neurons in the nucleus incertus and serotonergic neurons in the dorsal raphe nucleus. <i>Neuroscience</i> , 2015, 303, 270-284.	2.3	22
39	Wiz binds active promoters and CTCF-binding sites and is required for normal behaviour in the mouse. <i>ELife</i> , 2016, 5, .	6.0	20
40	Inactivity Is Nycthemeral, Endogenously Generated, Homeostatically Regulated, and Melatonin Modulated in a Free-Living Platyhelminth Flatworm. <i>Sleep</i> , 2017, 40, .	1.1	19
41	Facilitation and disruption of memory for the passive avoidance task in the day-old chick using dopamine D1 receptor compounds. <i>Behavioural Pharmacology</i> , 2003, 14, 525-532.	1.7	17
42	Serotonin and the Neurobiology of Anxious States. <i>Handbook of Behavioral Neuroscience</i> , 2010, 21, 379-397.	0.7	17
43	Trait Mindfulness Helps Explain the Relationships Between Job Stress, Physiological Reactivity, and Self-Perceived Health. <i>Journal of Occupational and Environmental Medicine</i> , 2019, 61, e12-e18.	1.7	17
44	Prior cold water swim stress alters immobility in the forced swim test and associated activation of serotonergic neurons in the rat dorsal raphe nucleus. <i>Neuroscience</i> , 2013, 253, 221-234.	2.3	16
45	Angiotensin II's role in sodium lactate-induced panic-like responses in rats with repeated urocortin 1 injections into the basolateral amygdala. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 44, 248-256.	4.8	16
46	Identifying the sources of stress and rewards in a group of Australian apprentice jockeys. <i>Qualitative Research in Sport, Exercise and Health</i> , 2017, 9, 583-599.	5.9	16
47	Exposure to Acute and Chronic Fluoxetine has Differential Effects on Sociability and Activity of Serotonergic Neurons in the Dorsal Raphe Nucleus of Juvenile Male BALB/c Mice. <i>Neuroscience</i> , 2018, 386, 1-15.	2.3	16
48	Role of the dorsomedial hypothalamus in glucocorticoid-mediated feedback inhibition of the hypothalamicâ€“pituitaryâ€“adrenal axis. <i>Stress</i> , 2015, 18, 76-87.	1.8	15
49	Pathways Underlying Afferent Signaling of Bronchopulmonary Immune Activation to the Central Nervous System. <i>Chemical Immunology and Allergy</i> , 2012, 98, 118-141.	1.7	12
50	Neurotransmitters of sleep and wakefulness in flatworms. <i>Sleep</i> , 2022, , .	1.1	12
51	The effects of selective dopamine agonists on a passive avoidance learning task in the day-old chick. <i>Behavioural Pharmacology</i> , 2002, 13, 295-301.	1.7	11
52	Fluoxetine potentiates the effects of corticotropin-releasing factor on locomotor activity and serotonergic systems in the roughskin newt, <i>Taricha granulosa</i> . <i>Hormones and Behavior</i> , 2009, 56, 177-184.	2.1	11
53	The salivary alpha amylase awakening response is related to over-commitment. <i>Stress</i> , 2018, 21, 194-202.	1.8	11
54	Multiple pathological mechanisms contribute to hippocampal damage in the experimental autoimmune encephalomyelitis model of multiple sclerosis. <i>NeuroReport</i> , 2018, 29, 19-24.	1.2	11

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55	Social approach, anxiety, and altered tryptophan hydroxylase 2 activity in juvenile BALB/c and C57BL/6J mice. <i>Behavioural Brain Research</i> , 2019, 359, 918-926.	2.2	11
56	Stimulatory, but not anxiogenic, doses of caffeine act centrally to activate interscapular brown adipose tissue thermogenesis in anesthetized male rats. <i>Scientific Reports</i> , 2021, 11, 113.	3.3	11
57	Assessing the association of university stress and physiological reactivity with decision-making among students. <i>Stress</i> , 2020, 23, 136-143.	1.8	10
58	The effects of apomorphine and haloperidol on memory consolidation in the day-old-chick.. <i>Behavioral Neuroscience</i> , 2001, 115, 376-383.	1.2	9
59	Polyinosinic:polycytidylic acid induces memory processing deficits in the day-old chick. <i>Behavioural Pharmacology</i> , 2007, 18, 19-27.	1.7	9
60	Involvement of Serotonergic and Relaxin-3 Neuropeptide Systems in the Expression of Anxiety-like Behavior. <i>Neuroscience</i> , 2018, 390, 88-103.	2.3	9
61	Immunomodulation Eliminates Inflammation in the Hippocampus in Experimental Autoimmune Encephalomyelitis, but Does Not Ameliorate Anxiety-Like Behavior. <i>Frontiers in Immunology</i> , 2021, 12, 639650.	4.8	9
62	Facilitation of a weak training experience in the 1-day-old chick using diphenylhydantoin: a pharmacological and biochemical study. <i>Pharmacology Biochemistry and Behavior</i> , 2004, 77, 657-666.	2.9	8
63	Anxiolytic phenotype and modified serotonergic activity in Urocortin1 and 2 double-deficient mice. <i>Molecular Psychiatry</i> , 2010, 15, 339-339.	7.9	8
64	Deletion of IL-4R α in the BALB/c mouse is associated with altered lesion topography and susceptibility to experimental autoimmune encephalomyelitis. <i>Autoimmunity</i> , 2015, 48, 208-221.	2.6	8
65	Whole-body hyperthermia and a subthreshold dose of citalopram act synergistically to induce antidepressant-like behavioral responses in adolescent rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 79, 162-168.	4.8	8
66	Differential anxiety-like responses in NOD/ShiLtJ and C57BL/6J mice following experimental autoimmune encephalomyelitis induction and oral gavage. <i>Laboratory Animals</i> , 2018, 52, 470-478.	1.0	8
67	Long-term effects of young-adult methamphetamine on dorsal raphe serotonin systems in mice: Role of brain-derived neurotrophic factor. <i>Brain Research</i> , 2021, 1762, 147428.	2.2	8
68	Trait mindfulness and the Effort-Reward Imbalance workplace stress model: Higher trait mindfulness is associated with increased salivary immunoglobulin A. <i>Behavioural Brain Research</i> , 2020, 377, 112252.	2.2	7
69	Effect of Pleomorphic Adenoma Gene 1 Deficiency on Selected Behaviours in Adult Mice. <i>Neuroscience</i> , 2021, 455, 30-38.	2.3	7
70	Involvement of dorsal raphe nucleus serotonergic systems in social approach-avoidance behaviour and in the response to fluoxetine treatment in peri-adolescent female BALB/c mice. <i>Behavioural Brain Research</i> , 2021, 408, 113268.	2.2	7
71	Remembering that things have changed: A review of the cellular mechanisms of memory re-consolidation in the day-old chick. <i>Brain Research Bulletin</i> , 2008, 76, 192-197.	3.0	6
72	The galanin receptor-3 antagonist, SNAP 37889, inhibits cue-induced reinstatement of alcohol-seeking and increases c-Fos expression in the nucleus accumbens shell of alcohol-preferring rats. <i>Journal of Psychopharmacology</i> , 2018, 32, 911-921.	4.0	6

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73	Reduced professional efficacy is associated with a blunted salivary alpha-amylase awakening response. <i>Physiology and Behavior</i> , 2019, 199, 292-299.	2.1	6
74	Serotonin and the neurobiology of anxious states. <i>Handbook of Behavioral Neuroscience</i> , 2020, 31, 505-520.	0.7	6
75	Clinical and Blood Biomarker Trajectories after Concussion: New Insights from a Longitudinal Pilot Study of Professional Flat-Track Jockeys. <i>Journal of Neurotrauma</i> , 2023, 40, 52-62.	3.4	6
76	Within subject rise in serum TNF α to IL-10 ratio is associated with poorer attention, decision-making and working memory in jockeys. <i>Comprehensive Psychoneuroendocrinology</i> , 2022, 10, 100131.	1.7	5
77	Positive verbal feedback about task performance is related with adaptive physiological responses: An experimental study of the effort-reward imbalance stress model. <i>International Journal of Psychophysiology</i> , 2019, 135, 55-62.	1.0	4
78	Interactions between whole-body heating and citalopram on body temperature, antidepressant-like behaviour, and neurochemistry in adolescent male rats. <i>Behavioural Brain Research</i> , 2019, 359, 428-439.	2.2	3
79	The type 4 phosphodiesterase inhibitors rolipram and YM976 facilitate recall of the weak version of the passive avoidance task in the day-old chick. <i>Pharmacology Biochemistry and Behavior</i> , 2009, 92, 224-230.	2.9	2
80	Serotonin in Stress. , 2019, , 115-123.		2
81	Empathy and job resources buffer the effect of higher job demands on increased salivary alpha amylase awakening responses in direct-care workers. <i>Behavioural Brain Research</i> , 2020, 394, 112826.	2.2	2
82	Gamma-butyrolactone (GBL) disruption of passive avoidance learning in the day-old chick appears to be due to its effect on GABAB not gamma-hydroxybutyric acid (GHB) receptors. <i>Behavioural Brain Research</i> , 2009, 197, 347-355.	2.2	1
83	The effect of estrogen on brown adipose tissue activity in male rats. <i>BMC Research Notes</i> , 2022, 15, 28.	1.4	1
84	Acute treatment with 5-hydroxytryptophan increases social approach behaviour but does not activate serotonergic neurons in the dorsal raphe nucleus in juvenile male BALB/c mice: A model of human disorders with deficits of sociability. <i>Journal of Psychopharmacology</i> , 2022, , 026988112210890.	4.0	1
85	5-HTTLPR polymorphism and cross-cultural adaptation: the role of relational openness as a mediator. <i>Culture and Brain</i> , 2021, 9, 48-62.	0.5	0