

# Robert Gerlai

## List of Publications by Year in descending order

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207  
papers

15,311  
citations

18482  
62  
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20358  
116  
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211  
all docs

211  
docs citations

211  
times ranked

8569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene-targeting studies of mammalian behavior: is it the mutation or the background genotype?. Trends in Neurosciences, 1996, 19, 177-181.	8.6	852
2	Zebrafish as an emerging model for studying complex brain disorders. Trends in Pharmacological Sciences, 2014, 35, 63-75.	8.7	827
3	Towards a Comprehensive Catalog of Zebrafish Behavior 1.0 and Beyond. Zebrafish, 2013, 10, 70-86.	1.1	795
4	Mice Lacking Metabotropic Glutamate Receptor 5 Show Impaired Learning and Reduced CA1 Long-Term Potentiation (LTP) But Normal CA3 LTP. Journal of Neuroscience, 1997, 17, 5196-5205.	3.6	597
5	Zebrafish models for translational neuroscience research: from tank to bedside. Trends in Neurosciences, 2014, 37, 264-278.	8.6	533
6	Enhanced LTP in Mice Deficient in the AMPA Receptor GluR2. Neuron, 1996, 17, 945-956.	8.1	477
7	Alarm substance induced behavioral responses in zebrafish (Danio rerio). Behavioural Brain Research, 2008, 188, 168-177.	2.2	398
8	The social zebrafish: Behavioral responses to conspecific, heterospecific, and computer animated fish. Behavioural Brain Research, 2008, 191, 77-87.	2.2	323
9	Quantification of shoaling behaviour in zebrafish (Danio rerio). Behavioural Brain Research, 2007, 184, 157-166.	2.2	267
10	Behavioral phenotyping in zebrafish: Comparison of three behavioral quantification methods. Behavior Research Methods, 2006, 38, 456-469.	4.0	242
11	Zebra fish: an uncharted behavior genetic model. Behavior Genetics, 2003, 33, 461-468.	2.1	207
12	Associative learning in zebrafish (Danio rerio) in the plus maze. Behavioural Brain Research, 2010, 207, 99-104.	2.2	207
13	Impaired Cerebellar Synaptic Plasticity and Motor Performance in Mice Lacking the mGluR4 Subtype of Metabotropic Glutamate Receptor. Journal of Neuroscience, 1996, 16, 6364-6373.	3.6	201
14	Effects of acute and chronic ethanol exposure on the behavior of adult zebrafish (Danio rerio). Pharmacology Biochemistry and Behavior, 2006, 85, 752-761.	2.9	201
15	Sight of conspecifics as reward in associative learning in zebrafish (Danio rerio). Behavioural Brain Research, 2008, 189, 216-219.	2.2	192
16	Analysing hippocampal function in transgenic mice: an ethological perspective. Trends in Neurosciences, 1999, 22, 47-51.	8.6	189
17	Behavioral tests of hippocampal function: simple paradigms complex problems. Behavioural Brain Research, 2001, 125, 269-277.	2.2	189
18	From Schooling to Shoaling: Patterns of Collective Motion in Zebrafish (Danio rerio). PLoS ONE, 2012, 7, e48865.	2.5	186

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19	Phenomics: fiction or the future?. Trends in Neurosciences, 2002, 25, 506-509.	8.6	183
20	A new continuous alternation task in T-maze detects hippocampal dysfunction in mice. Behavioural Brain Research, 1998, 95, 91-101.	2.2	180
21	Shoaling develops with age in Zebrafish (Danio rerio). Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 1409-1415.	4.8	176
22	Molecular psychiatry of zebrafish. Molecular Psychiatry, 2015, 20, 2-17.	7.9	174
23	Zebrafish (Danio rerio) responds differentially to stimulus fish: The effects of sympatric and allopatric predators and harmless fish. Behavioural Brain Research, 2008, 186, 107-117.	2.2	171
24	High-Throughput Behavioral Screens: the First Step towards Finding Genes Involved in Vertebrate Brain Function Using Zebrafish. Molecules, 2010, 15, 2609-2622.	3.8	171
25	Zebrafish antipredatory responses: A future for translational research?. Behavioural Brain Research, 2010, 207, 223-231.	2.2	167
26	Zebrafish (Danio rerio) responds to the animated image of a predator: Towards the development of an automated aversive task. Behavioural Brain Research, 2009, 201, 318-324.	2.2	165
27	Long-Term Behavioral Changes in Response to Early Developmental Exposure to Ethanol in Zebrafish. Alcoholism: Clinical and Experimental Research, 2009, 33, 601-609.	2.4	161
28	Reproducibility and replicability of rodent phenotyping in preclinical studies. Neuroscience and Biobehavioral Reviews, 2018, 87, 218-232.	6.1	153
29	High precision liquid chromatography analysis of dopaminergic and serotonergic responses to acute alcohol exposure in zebrafish. Behavioural Brain Research, 2009, 200, 208-213.	2.2	142
30	Acute and chronic alcohol dose: population differences in behavior and neurochemistry of zebrafish. Genes, Brain and Behavior, 2009, 8, 586-599.	2.2	141
31	Contextual learning and cue association in fear conditioning in mice: a strain comparison and a lesion study. Behavioural Brain Research, 1998, 95, 191-203.	2.2	134
32	The synthetic substance hypoxanthine 3-N-oxide elicits alarm reactions in zebrafish (Danio rerio). Behavioural Brain Research, 2009, 205, 336-341.	2.2	133
33	Shoaling in zebrafish: what we don't know. Reviews in the Neurosciences, 2011, 22, 17-25.	2.9	133
34	Shuttle box learning in zebrafish (Danio rerio). Behavioural Brain Research, 2009, 196, 323-327.	2.2	124
35	Early embryonic ethanol exposure impairs shoaling and the dopaminergic and serotonergic systems in adult zebrafish. Neurotoxicology and Teratology, 2011, 33, 698-707.	2.4	124
36	Can angelfish (Pterophyllum scalare) count? Discrimination between different shoal sizes follows Weber's law. Animal Cognition, 2011, 14, 1-9.	1.8	123

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37	Fishing for genes influencing vertebrate behavior: zebrafish making headway. Lab Animal, 2006, 35, 33-39.	0.4	113
38	Differences in Acute Alcohol-Induced Behavioral Responses Among Zebrafish Populations. Alcoholism: Clinical and Experimental Research, 2008, 32, 1763-1773.	2.4	112
39	Dopamine receptor antagonism disrupts social preference in zebrafish: a strain comparison study. Amino Acids, 2012, 43, 2059-2072.	2.7	106
40	Oscillations in shoal cohesion in zebrafish (Danio rerio). Behavioural Brain Research, 2008, 193, 148-151.	2.2	96
41	Effects of nicotine and alcohol on zebrafish (Danio rerio) shoaling. Behavioural Brain Research, 2013, 240, 192-196.	2.2	96
42	In search of optimal fear inducing stimuli: Differential behavioral responses to computer animated images in zebrafish. Behavioural Brain Research, 2012, 226, 66-76.	2.2	94
43	Time-course of behavioural changes induced by ethanol in zebrafish (Danio rerio). Behavioural Brain Research, 2013, 252, 204-213.	2.2	93
44	Social behavior of zebrafish: From synthetic images to biological mechanisms of shoaling. Journal of Neuroscience Methods, 2014, 234, 59-65.	2.5	91
45	Maturation of shoaling behavior is accompanied by changes in the dopaminergic and serotonergic systems in zebrafish. Developmental Psychobiology, 2012, 54, 28-35.	1.6	89
46	Eph receptors and neural plasticity. Nature Reviews Neuroscience, 2001, 2, 205-209.	10.2	87
47	Associative learning performance is impaired in zebrafish (Danio rerio) by the NMDA-R antagonist MK-801. Neurobiology of Learning and Memory, 2011, 96, 230-237.	1.9	87
48	Chronic social isolation affects thigmotaxis and whole-brain serotonin levels in adult zebrafish. Behavioural Brain Research, 2015, 292, 283-287.	2.2	84
49	Maturation of shoaling in two zebrafish strains: A behavioral and neurochemical analysis. Behavioural Brain Research, 2013, 247, 1-8.	2.2	79
50	Induction of Social Behavior in Zebrafish: Live Versus Computer Animated Fish as Stimuli. Zebrafish, 2014, 11, 185-197.	1.1	79
51	Technical and conceptual considerations for using animated stimuli in studies of animal behavior. Environmental Epigenetics, 2017, 63, 5-19.	1.8	78
52	Behavioral performance altering effects of MK-801 in zebrafish (Danio rerio). Behavioural Brain Research, 2011, 220, 331-337.	2.2	76
53	Individual differences in activity levels in zebrafish (Danio rerio). Behavioural Brain Research, 2013, 257, 224-229.	2.2	75
54	Diving deeper into Zebrafish development of social behavior: Analyzing high resolution data. Journal of Neuroscience Methods, 2014, 234, 66-72.	2.5	75

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55	Reproducibility and replicability in zebrafish behavioral neuroscience research. <i>Pharmacology Biochemistry and Behavior</i> , 2019, 178, 30-38.	2.9	75
56	Using Zebrafish to Unravel the Genetics of Complex Brain Disorders. <i>Current Topics in Behavioral Neurosciences</i> , 2011, 12, 3-24.	1.7	74
57	Can zebrafish learn spatial tasks? An empirical analysis of place and single CS-US associative learning. <i>Behavioural Brain Research</i> , 2012, 233, 415-421.	2.2	74
58	An automated predator avoidance task in zebrafish. <i>Behavioural Brain Research</i> , 2011, 216, 166-171.	2.2	73
59	Latent learning in zebrafish ( <i>Danio rerio</i> ). <i>Behavioural Brain Research</i> , 2010, 208, 509-515.	2.2	72
60	Sight of conspecific images induces changes in neurochemistry in zebrafish. <i>Behavioural Brain Research</i> , 2013, 243, 294-299.	2.2	71
61	Neurochemical and Behavioral Responses to Unpredictable Chronic Mild Stress Following Developmental Isolation: The Zebrafish as a Model for Major Depression. <i>Zebrafish</i> , 2017, 14, 23-34.	1.1	71
62	Spontaneous discrimination of small quantities: shoaling preferences in angelfish ( <i>Pterophyllum</i> ) Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50 4	1.8	69
63	Chronic alcohol exposure induced gene expression changes in the zebrafish brain. <i>Behavioural Brain Research</i> , 2011, 216, 66-76.	2.2	64
64	Fish in behavior research: Unique tools with a great promise!. <i>Journal of Neuroscience Methods</i> , 2014, 234, 54-58.	2.5	62
65	Serotonin antagonists induce anxiolytic and anxiogenic-like behavior in zebrafish in a receptor-subtype dependent manner. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 126, 170-180.	2.9	61
66	An integrative analysis of ethanol tolerance and withdrawal in zebrafish ( <i>Danio rerio</i> ). <i>Behavioural Brain Research</i> , 2015, 276, 161-170.	2.2	61
67	Altered spatial learning and memory in mice lacking the mGluR4 subtype of metabotropic glutamate receptor.. <i>Behavioral Neuroscience</i> , 1998, 112, 525-532.	1.2	60
68	Embryonic alcohol exposure impairs associative learning performance in adult zebrafish. <i>Behavioural Brain Research</i> , 2014, 265, 181-187.	2.2	60
69	Developmental social isolation affects adult behavior, social interaction, and dopamine metabolite levels in zebrafish. <i>Developmental Psychobiology</i> , 2018, 60, 43-56.	1.6	60
70	Developing high-throughput zebrafish screens for in-vivo CNS drug discovery. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 14.	2.0	58
71	Chronic and acute alcohol administration induced neurochemical changes in the brain: comparison of distinct zebrafish populations. <i>Amino Acids</i> , 2014, 46, 921-930.	2.7	57
72	The zebrafish as a promising tool for modeling human brain disorders: A review based upon an IBNS Symposium. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 85, 176-190.	6.1	57

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73	Embryonic Alcohol Exposure Impairs the Dopaminergic System and Social Behavioral Responses in Adult Zebrafish. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyu089-pyu089.	2.1	56
74	Effect of social isolation on anxiety-related behaviors, cortisol, and monoamines in adult zebrafish.. <i>Behavioral Neuroscience</i> , 2017, 131, 492-504.	1.2	56
75	Learning and memory in zebrafish ( <i>Danio rerio</i> ). <i>Methods in Cell Biology</i> , 2016, 134, 551-586.	1.1	55
76	Antipredatory Behavior of Zebrafish: Adaptive Function and a Tool for Translational Research. <i>Evolutionary Psychology</i> , 2013, 11, 591-605.	0.9	54
77	Altered performance characteristics in cognitive tasks: comparison of the albino ICR and CD1 mouse strains. <i>Behavioural Brain Research</i> , 2002, 133, 351-361.	2.2	52
78	Breeding Zebrafish: A Review of Different Methods and a Discussion on Standardization. <i>Zebrafish</i> , 2017, 14, 561-573.	1.1	52
79	Quantification abilities in angelfish ( <i>Pterophyllum scalare</i> ): the influence of continuous variables. <i>Animal Cognition</i> , 2013, 16, 373-383.	1.8	51
80	Strain dependent neurochemical changes induced by embryonic alcohol exposure in zebrafish. <i>Neurotoxicology and Teratology</i> , 2014, 41, 1-7.	2.4	51
81	Strain dependent gene expression and neurochemical levels in the brain of zebrafish: Focus on a few alcohol related targets. <i>Physiology and Behavior</i> , 2012, 107, 773-780.	2.1	50
82	Evolutionary conservation, translational relevance and cognitive function: The future of zebrafish in behavioral neuroscience. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 116, 426-435.	6.1	50
83	Associative Learning in Zebrafish ( <i>Danio rerio</i> ). <i>Methods in Cell Biology</i> , 2011, 101, 249-270.	1.1	48
84	Impairment of social behaviour persists two years after embryonic alcohol exposure in zebrafish: A model of fetal alcohol spectrum disorders. <i>Behavioural Brain Research</i> , 2015, 292, 102-108.	2.2	48
85	Spatial and Nonspatial Learning in Mice: Effects of S100 $\beta$ Overexpression and Age. <i>Neurobiology of Learning and Memory</i> , 1996, 66, 143-154.	1.9	47
86	Acute ethanol exposure induces behavioural differences in two zebrafish ( <i>Danio rerio</i> ) strains: A time course analysis. <i>Behavioural Brain Research</i> , 2014, 259, 174-185.	2.2	47
87	Acute and chronic ethanol exposure differentially alters alcohol dehydrogenase and aldehyde dehydrogenase activity in the zebrafish liver. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 56, 221-226.	4.8	46
88	Zebrafish and relational memory: Could a simple fish be useful for the analysis of biological mechanisms of complex vertebrate learning?. <i>Behavioural Processes</i> , 2017, 141, 242-250.	1.1	46
89	Acute net stressor increases whole-body cortisol levels without altering whole-brain monoamines in zebrafish.. <i>Behavioral Neuroscience</i> , 2014, 128, 621-624.	1.2	45
90	Neurochemical factors underlying individual differences in locomotor activity and anxiety-like behavioral responses in zebrafish. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 65, 25-33.	4.8	45

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91	Hippocampal LTP and memory in mouse strains: Is there evidence for a causal relationship?. <i>Hippocampus</i> , 2002, 12, 657-666.	1.9	44
92	Genotype-environment interaction and the correlation structure of behavioral elements in paradise fish ( <i>Macropodus opercularis</i> ). <i>Physiology and Behavior</i> , 1990, 47, 343-356.	2.1	42
93	Time-dependent interacting effects of caffeine, diazepam, and ethanol on zebrafish behaviour. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 75, 16-27.	4.8	42
94	Can Paradise Fish ( <i>Macropodus opercularis</i> , Anabantidae) Recognize a Natural Predator? An Ethological Analysis. <i>Ethology</i> , 1993, 94, 127-136.	1.1	41
95	A small fish with a big future: zebrafish in behavioral neuroscience. <i>Reviews in the Neurosciences</i> , 2011, 22, 3-4.	2.9	41
96	Targeted knockout of a chemokine-like gene increases anxiety and fear responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1041-E1050.	7.1	39
97	The integration of sociality, monoamines and stress neuroendocrinology in fish models: applications in the neurosciences. <i>Journal of Fish Biology</i> , 2018, 93, 170-191.	1.6	39
98	Acute and chronic alcohol administration: Effects on performance of zebrafish in a latent learning task. <i>Behavioural Brain Research</i> , 2015, 282, 76-83.	2.2	37
99	Interaction between handling induced stress and anxiolytic effects of ethanol in zebrafish: A behavioral and neurochemical analysis. <i>Behavioural Brain Research</i> , 2016, 298, 278-285.	2.2	37
100	Re-examining the factors affecting choice in the light-dark preference test in zebrafish. <i>Behavioural Brain Research</i> , 2017, 327, 21-28.	2.2	37
101	Animated images in the analysis of zebrafish behavior. <i>Environmental Epigenetics</i> , 2017, 63, 35-44.	1.8	37
102	Effects of animated images of sympatric predators and abstract shapes on fear responses in zebrafish. <i>Behaviour</i> , 2012, 149, 1125-1153.	0.8	36
103	Recent advances with a novel model organism: Alcohol tolerance and sensitization in zebrafish ( <i>Danio rerio</i> ). <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 55, 87-93.	4.8	36
104	Animated bird silhouette above the tank: Acute alcohol diminishes fear responses in zebrafish. <i>Behavioural Brain Research</i> , 2012, 229, 194-201.	2.2	35
105	Learning to find the opponent: An ethological analysis of the behavior of paradise fish ( <i>Macropodus</i> )	0.5	34
106	Activity Counts: The Effect of Swimming Activity on Quantity Discrimination in Fish. <i>Frontiers in Psychology</i> , 2012, 3, 484.	2.1	33
107	Zebrafish prefer larger to smaller shoals: analysis of quantity estimation in a genetically tractable model organism. <i>Animal Cognition</i> , 2017, 20, 813-821.	1.8	33
108	Inheritance of species-specific behaviors in the paradise fish ( <i>Macropodus opercularis</i> ): A diallel study. <i>Behavior Genetics</i> , 1990, 20, 487-498.	2.1	32

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109	Force transducer-based movement detection in fear conditioning in mice: A comparative analysis. Hippocampus, 2002, 12, 4-17.	1.9	32
110	Redefining membership in animal groups. Behavior Research Methods, 2011, 43, 964-970.	4.0	32
111	Embryonic alcohol exposure leading to social avoidance and altered anxiety responses in adult zebrafish. Behavioural Brain Research, 2018, 352, 62-69.	2.2	31
112	Differential effects of dopamine D1 and D2/3 receptor antagonism on motor responses. Psychopharmacology, 2015, 232, 795-806.	3.1	30
113	Zebrafish phenomics: behavioral screens and phenotyping of mutagenized fish. Current Opinion in Behavioral Sciences, 2015, 2, 21-27.	3.9	30
114	Conspecific exploration in the T-maze: Abnormalities in S100 $\beta$ transgenic mice. Physiology and Behavior, 1996, 60, 31-36.	2.1	29
115	The light-dark task in zebrafish confuses two distinct factors: Interaction between background shade and illumination level preference. Pharmacology Biochemistry and Behavior, 2019, 179, 9-21.	2.9	29
116	Behavioral impairment of APPV717F mice in fear conditioning: is it only cognition?. Behavioural Brain Research, 2002, 136, 503-509.	2.2	28
117	Autism: a large unmet medical need and a complex research problem. Physiology and Behavior, 2003, 79, 461-470.	2.1	28
118	Automated Tracking of Zebrafish Shoals and the Analysis of Shoaling Behavior. Neuromethods, 2012, , 217-230.	0.3	28
119	Memory and the effect of cold shock in the water maze in S100 $\beta$ transgenic mice. Physiology and Behavior, 1996, 60, 611-615.	2.1	27
120	Lasting changes induced by mild alcohol exposure during embryonic development in <scp>BDNF</scp>, <scp> NCAM</scp> and synaptophysin<sup>+</sup> positive neurons quantified in adult zebrafish. European Journal of Neuroscience, 2018, 47, 1457-1473.	2.6	27
121	Embryonic alcohol exposure: Towards the development of a zebrafish model of fetal alcohol spectrum disorders. Developmental Psychobiology, 2015, 57, 787-798.	1.6	26
122	The effect of the number and size of animated conspecific images on shoaling responses of zebrafish. Pharmacology Biochemistry and Behavior, 2015, 139, 94-102.	2.9	25
123	The Role of Body Surface Area in Quantity Discrimination in Angelfish (Pterophyllum scalare). PLoS ONE, 2013, 8, e83880.	2.5	25
124	Gene Targeting Using Homologous Recombination in Embryonic Stem Cells: The Future for Behavior Genetics?. Frontiers in Genetics, 2016, 7, 43.	2.3	24
125	The Novel Tank Test: Handling Stress and the Context Specific Psychopharmacology of Anxiety. Current Psychopharmacology, 2016, 5, 169-179.	0.3	24
126	Understanding the neurobiological effects of drug abuse: Lessons from zebrafish models. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 100, 109873.	4.8	23



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127	Behavioral Responses to Novelty or to a Predator Stimulus Are Not Altered in Adult Zebrafish by Early Embryonic Alcohol Exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 2667-2675.	2.4	22
128	Associative learning in the multichamber tank: A new learning paradigm for zebrafish. <i>Behavioural Brain Research</i> , 2016, 312, 279-284.	2.2	22
129	Fetal alcohol spectrum disorders: Zebrafish in the analysis of the milder and more prevalent form of the disease. <i>Behavioural Brain Research</i> , 2018, 352, 125-132.	2.2	22
130	A Simple Method for Immunohistochemical Staining of Zebrafish Brain Sections for <i>c-fos</i> Protein Expression. <i>Zebrafish</i> , 2015, 12, 414-420.	1.1	21
131	Inhibition of phosphorylated tyrosine hydroxylase attenuates ethanol-induced hyperactivity in adult zebrafish ( <i>Danio rerio</i> ). <i>Pharmacology Biochemistry and Behavior</i> , 2015, 138, 32-39.	2.9	21
132	Differential effects of acute administration of SCH-23390, a D1 receptor antagonist, and of ethanol on swimming activity, anxiety-related responses, and neurochemistry of zebrafish. <i>Psychopharmacology</i> , 2015, 232, 3709-3718.	3.1	21
133	Discrimination of large quantities: Weber's law and short-term memory in angelfish, <i>Pterophyllum scalare</i> . <i>Animal Behaviour</i> , 2016, 112, 29-37.	1.9	20
134	Pharmacological (ethanol) and mutation ( <i>sam2</i> KO) induced impairment of novelty preference in zebrafish quantified using a new three-chamber social choice task. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 88, 53-65.	4.8	20
135	Short-term memory in zebrafish ( <i>Danio rerio</i> ). <i>Behavioural Brain Research</i> , 2014, 270, 29-36.	2.2	19
136	Angelfish ( <i>Pterophyllum scalare</i> ) discriminate between small quantities: A role of memory. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2015, 129, 78-83.	0.5	19
137	The Zebrafish, a Novel Model Organism for Screening Compounds Affecting Acute and Chronic Ethanol-Induced Effects. <i>International Review of Neurobiology</i> , 2016, 126, 467-484.	2.0	19
138	Zebrafish Shoaling, Its Behavioral and Neurobiological Mechanisms, and Its Alteration by Embryonic Alcohol Exposure: A Review. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 572175.	2.0	19
139	Antipredator behavior in paradise fish ( <i>Macropodus opercularis</i> ) larvae: the role of genetic factors and paternal influence. <i>Behavior Genetics</i> , 1997, 27, 191-200.	2.1	18
140	Targeting Genes and Proteins in the Analysis of Learning and Memory: Caveats and Future Directions. <i>Reviews in the Neurosciences</i> , 2000, 11, 15-26.	2.9	18
141	Autism: a target of pharmacotherapies?. <i>Drug Discovery Today</i> , 2004, 9, 366-374.	6.4	17
142	Subcutaneous dye injection for marking and identification of individual adult zebrafish ( <i>Danio rerio</i> ) in behavioral studies. <i>Behavior Research Methods</i> , 2014, 46, 619-624.	4.0	17
143	Acute alcohol exposure increases tyrosine hydroxylase protein expression and dopamine synthesis in zebrafish. <i>Behavioural Brain Research</i> , 2017, 317, 237-241.	2.2	17
144	Developmental stage and genotype dependent behavioral effects of embryonic alcohol exposure in zebrafish larvae. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 97, 109774.	4.8	17

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145	The effects of small but abrupt change in temperature on the behavior of larval zebrafish. <i>Physiology and Behavior</i> , 2020, 227, 113169.	2.1	17
146	Alcohol-induced behavioral changes in zebrafish: The role of dopamine D2-like receptors. <i>Psychopharmacology</i> , 2016, 233, 2119-2128.	3.1	16
147	Forward Genetic Screening Using Behavioral Tests in Zebrafish: A Proof of Concept Analysis of Mutants. <i>Behavior Genetics</i> , 2017, 47, 125-139.	2.1	16
148	Quantity discrimination in angelfish, <i>Pterophyllum scalare</i> : a novel approach with food as the discriminant. <i>Animal Behaviour</i> , 2018, 142, 19-30.	1.9	16
149	MK-801 increases locomotor activity in a context-dependent manner in zebrafish. <i>Behavioural Brain Research</i> , 2016, 296, 26-29.	2.2	15
150	Short exposure to low concentrations of alcohol during embryonic development has only subtle and strain- dependent effect on the levels of five amino acid neurotransmitters in zebrafish. <i>Neurotoxicology and Teratology</i> , 2018, 68, 91-96.	2.4	15
151	Diazepam fails to alter anxiety-like responses but affects motor function in a white-black test paradigm in larval zebrafish ( <i>Danio rerio</i> ). <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 83, 127-136.	4.8	14
152	Developmental stage-dependent deficits induced by embryonic ethanol exposure in zebrafish: A neurochemical analysis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 99, 109859.	4.8	14
153	Restrictions on the Importation of Zebrafish into Canada Associated with Spring Viremia of Carp Virus. <i>Zebrafish</i> , 2016, 13, S-153-S-163.	1.1	13
154	Alcohol exposure during embryonic development: An opportunity to conduct systematic developmental time course analyses in zebrafish. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 98, 185-193.	6.1	13
155	Feeding status alters exploratory and anxiety-like behaviors in zebrafish larvae exposed to quinpirole. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 108, 110179.	4.8	13
156	Dose dependent behavioral effects of acute alcohol administration in zebrafish fry. <i>Pharmacology Biochemistry and Behavior</i> , 2019, 179, 124-133.	2.9	12
157	Organization of motor and posture patterns in paradise fish ( <i>Macropodus opercularis</i> ): Environmental and genetic components of phenotypical correlation structures. <i>Behavior Genetics</i> , 1995, 25, 385-396.	2.1	11
158	Perspectives on zebrafish neurobehavioral pharmacology. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 139, 93.	2.9	11
159	Quantity discrimination in angelfish ( <i>Pterophyllum scalare</i> ) is maintained after a 30-s retention interval in the large but not in the small number range. <i>Animal Cognition</i> , 2017, 20, 829-840.	1.8	11
160	Early social deprivation does not affect cortisol response to acute and chronic stress in zebrafish. <i>Stress</i> , 2021, 24, 273-281.	1.8	11
161	Behavioral Effects of Buspirone in Juvenile Zebrafish of Two Different Genetic Backgrounds. <i>Toxics</i> , 2022, 10, 22.	3.7	11
162	Mate Choice and Hybridization in Lake Malawi Cichlids, <i>Sciaenochromis fryeri</i> and <i>Cynotilapia afra</i> . <i>Ethology</i> , 2007, 113, 673-685.	1.1	10

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163	Antipredatory behavior of zebrafish: adaptive function and a tool for translational research. <i>Evolutionary Psychology</i> , 2013, 11, 591-605.	0.9	10
164	Home tank water versus novel water differentially affect alcohol-induced locomotor activity and anxiety related behaviours in zebrafish. <i>Pharmacology Biochemistry and Behavior</i> , 2016, 144, 13-19.	2.9	9
165	The role of item size on choosing contrasted food quantities in angelfish ( <i>Pterophyllum scalare</i> ). <i>Scientific Reports</i> , 2019, 9, 15305.	3.3	9
166	Acute ethanol induces behavioral changes and alters c-fos expression in specific brain regions, including the mammillary body, in zebrafish. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 109, 110264.	4.8	9
167	Food density and preferred quantity: discrimination of small and large numbers in angelfish ( <i>Pterophyllum scalare</i> ). <i>Animal Cognition</i> , 2020, 23, 509-522.	1.8	9
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176	Protein targeting: altering receptor kinase function in the brain. <i>Trends in Neurosciences</i> , 2000, 23, 236-239.	8.6	7
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179	The Tapping Assay: A Simple Method to Induce Fear Responses in Zebrafish. <i>Behavior Research Methods</i> , 2022, 54, 2693-2706.	4.0	7
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183	Editorial: Zebrafish Cognition and Behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 659501.	2.0	5
184	Colored-Light Preference in Zebrafish ( <i>Danio rerio</i> ). <i>Zebrafish</i> , 2021, 18, 243-251.	1.1	5
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206	Sentience: All or none or matter of degree?. <i>Animal Sentience</i> , 2018, 3, .	0.5	0
207	Video playback versus live stimuli to assess quantity discrimination in angelfish ( <i>Pterophyllum</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.0	0