Konstantin A Demin

List of Publications by Year
in descending order

68	1,397	304743 22	414414 32
papers	citations	h-index	g-index

70	70	70	1051
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Artificial intelligence-driven phenotyping of zebrafish psychoactive drug responses. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2022, 112, 110405.	4.8	14
2	Using zebrafish (Danio rerio) models to understand the critical role of social interactions in mental health and wellbeing. Progress in Neurobiology, 2022, 208, 101993.	5.7	18
3	Understanding sex differences in zebrafish pain- and fear-related behaviors. Neuroscience Letters, 2022, 772, 136412.	2.1	3
4	Towards Modeling Anhedonia and Its Treatment in Zebrafish. International Journal of Neuropsychopharmacology, 2022, 25, 293-306.	2.1	3
5	Towards translational modeling of behavioral despair and its treatment in zebrafish. Behavioural Brain Research, 2022, , 113906.	2.2	1
6	Modeling neurodegenerative disorders in zebrafish. Neuroscience and Biobehavioral Reviews, 2022, 138, 104679.	6.1	23
7	Acute behavioral and Neurochemical Effects of NovelN-Benzyl-2-Phenylethylamine Derivatives in Adult Zebrafish. ACS Chemical Neuroscience, 2022, 13, 1902-1922.	3.5	4
8	Effects of acute and chronic arecoline in adult zebrafish: Anxiolytic-like activity, elevated brain monoamines and the potential role of microglia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 104, 109977.	4.8	36
9	Understanding neurobehavioral effects of acute and chronic stress in zebrafish. Stress, 2021, 24, 1-18.	1.8	36
10	Studying CNS effects of Traditional Chinese Medicine using zebrafish models. Journal of Ethnopharmacology, 2021, 267, 113383.	4.1	12
11	Psychopharmacological characterization of an emerging drug of abuse, a synthetic opioid U-47700, in adult zebrafish. Brain Research Bulletin, 2021, 167, 48-55.	3.0	5
12	CNS genomic profiling in the mouse chronic social stress model implicates a novel category of candidate genes integrating affective pathogenesis. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 105, 110086.	4.8	6
13	Decoding the role of zebrafish neuroglia in CNS disease modeling. Brain Research Bulletin, 2021, 166, 44-53.	3.0	9
14	Pro-social and anxiolytic-like behavior following a single 24-h exposure to 17Î²-estradiol in adult male zebrafish. Neuroscience Letters, 2021, 747, 135591.	2.1	4
15	Auditory environmental enrichment prevents anxiety-like behavior, but not cortisol responses, evoked by 24-h social isolation in zebrafish. Behavioural Brain Research, 2021, 404, 113169.	2.2	10
16	Color as an important biological variable in zebrafish models: Implications for translational neurobehavioral research. Neuroscience and Biobehavioral Reviews, 2021, 124, 1-15.	6.1	11
17	Putative anxiolytic-like behavioral effects of acute paracetamol in adult zebrafish. Behavioural Brain Research, 2021, 409, 113293.	2.2	4
18	Modulation of behavioral and neurochemical responses of adult zebrafish by fluoxetine, eicosapentaenoic acid and lipopolysaccharide in the prolonged chronic unpredictable stress model. Scientific Reports, 2021, 11, 14289.	3.3	9

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19	Exploring CNS effects of American traditional medicines using zebrafish models. Current Neuropharmacology, 2021, 19, .	2.9	2
20	Unconventional anxiety pharmacology in zebrafish: Drugs beyond traditional anxiogenic and anxiolytic spectra. Pharmacology Biochemistry and Behavior, 2021, 207, 173205.	2.9	7
21	Sex differences shape zebrafish performance in a battery of anxiety tests and in response to acute scopolamine treatment. Neuroscience Letters, 2021, 759, 135993.	2.1	12
22	The role of auditory and vibration stimuli in zebrafish neurobehavioral models. Behavioural Processes, 2021, 193, 104505.	1.1	3
23	Understanding how stress responses and stress-related behaviors have evolved in zebrafish and mammals. Neurobiology of Stress, 2021, 15, 100405.	4.0	18
24	Zebrafish Models for Stress Research. , 2021, , 263-268.		1
25	Understanding early-life pain and its effects on adult human and animal emotionality: Translational lessons from rodent and zebrafish models. Neuroscience Letters, 2021, 768, 136382.	2.1	1
26	On the value of zebrafish outbred strains in neurobehavioral research. Lab Animal, 2021, , .	0.4	6
27	Sex differences in behavior and neuropharmacology of zebrafish. European Journal of Neuroscience, 2020, 52, 2586-2603.	2.6	49
28	Zebrafish as a Model of Neurodevelopmental Disorders. Neuroscience, 2020, 445, 3-11.	2.3	53
29	Sex differences in adult zebrafish anxiolytic-like responses to diazepam and melatonin. Neuroscience Letters, 2020, 714, 134548.	2.1	42
30	High-glucose/high-cholesterol diet in zebrafish evokes diabetic and affective pathogenesis: The role of peripheral and central inflammation, microglia and apoptosis. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 96, 109752.	4.8	33
31	Emotional behavior in aquatic organisms? Lessons from crayfish and zebrafish. Journal of Neuroscience Research, 2020, 98, 764-779.	2.9	21
32	Understanding neurobehavioral genetics of zebrafish. Journal of Neurogenetics, 2020, 34, 203-215.	1.4	12
33	A new method for vibration-based neurophenotyping of zebrafish. Journal of Neuroscience Methods, 2020, 333, 108563.	2.5	7
34	DARK Classics in Chemical Neuroscience: Kava. ACS Chemical Neuroscience, 2020, 11, 3893-3904.	3.5	14
35	Understanding complex dynamics of behavioral, neurochemical and transcriptomic changes induced by prolonged chronic unpredictable stress in zebrafish. Scientific Reports, 2020, 10, 19981.	3.3	24
36	An acetylcholinesterase inhibitor, donepezil, increases anxiety and cortisol levels in adult zebrafish. Journal of Psychopharmacology, 2020, 34, 1449-1456.	4.0	19

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37	Zebrafish models of impulsivity and impulse control disorders. European Journal of Neuroscience, 2020, 52, 4233-4248.	2.6	8
38	Behavioral Studies in Zebrafish. , 2020, , 24-24.		1
39	The zebrafish tail immobilization (ZTI) test as a new tool to assess stress-related behavior and a potential screen for drugs affecting despair-like states. Journal of Neuroscience Methods, 2020, 337, 108637.	2.5	25
40	Cross-species Analyses of Intra-species Behavioral Differences in Mammals and Fish. Neuroscience, 2020, 429, 33-45.	2.3	9
41	Delayed behavioral and genomic responses to acute combined stress in zebrafish, potentially relevant to PTSD and other stress-related disorders: Focus on neuroglia, neuroinflammation, apoptosis and epigenetic modulation. Behavioural Brain Research, 2020, 389, 112644.	2.2	18
42	Non-pharmacological and pharmacological approaches for psychiatric disorders: Re-appraisal and insights from zebrafish models. Pharmacology Biochemistry and Behavior, 2020, 193, 172928.	2.9	16
43	Behavioral and physiological effects of acute and chronic kava exposure in adult zebrafish. Neurotoxicology and Teratology, 2020, 79, 106881.	2.4	24
44	Melatonin treatment reverses cognitive and endocrine deficits evoked by a 24-h light exposure in adult zebrafish. Neuroscience Letters, 2020, 733, 135073.	2.1	11
45	Developing zebrafish experimental animal models relevant to schizophrenia. Neuroscience and Biobehavioral Reviews, 2019, 105, 126-133.	6.1	19
46	DARK Classics in Chemical Neuroscience: Arecoline. ACS Chemical Neuroscience, 2019, 10, 2176-2185.	3.5	52
47	Opioid Neurobiology, Neurogenetics and Neuropharmacology in Zebrafish. Neuroscience, 2019, 404, 218-232.	2.3	36
48	Neuropharmacology, pharmacogenetics and pharmacogenomics of aggression: The zebrafish model. Pharmacological Research, 2019, 141, 602-608.	7.1	33
49	Modeling gut-brain interactions in zebrafish. Brain Research Bulletin, 2019, 148, 55-62.	3.0	22
50	Abnormal repetitive behaviors in zebrafish and their relevance to human brain disorders. Behavioural Brain Research, 2019, 367, 101-110.	2.2	18
51	Animal models of major depressive disorder and the implications for drug discovery and development. Expert Opinion on Drug Discovery, 2019, 14, 365-378.	5.0	14
52	The role of intraspecies variation in fish neurobehavioral and neuropharmacological phenotypes in aquatic models. Aquatic Toxicology, 2019, 210, 44-55.	4.0	27
53	DARK Classics in Chemical Neuroscience: Atropine, Scopolamine, and Other Anticholinergic Deliriant Hallucinogens. ACS Chemical Neuroscience, 2019, 10, 2144-2159.	3.5	47
54	Understanding zebrafish aggressive behavior. Behavioural Processes, 2019, 158, 200-210.	1.1	56

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55	Zebrafish models of diabetes-related CNS pathogenesis. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 92, 48-58.	4.8	18
56	The evolutionarily conserved role of melatonin in CNS disorders and behavioral regulation: Translational lessons from zebrafish. Neuroscience and Biobehavioral Reviews, 2019, 99, 117-127.	6.1	21
57	Acute behavioral effects of deliriant hallucinogens atropine and scopolamine in adult zebrafish. Behavioural Brain Research, 2019, 359, 274-280.	2.2	26
58	DARK Classics in Chemical Neuroscience: Î±-Pyrrolidinovalerophenone (â€œFlakkaâ€). ACS Chemical Neuroscience, 2019, 10, 168-174.	3.5	16
59	Zebrafish models for personalized psychiatry: Insights from individual, strain and sex differences, and modeling gene x environment interactions. Journal of Neuroscience Research, 2019, 97, 402-413.	2.9	43
60	Understanding antidepressant discontinuation syndrome (ADS) through preclinical experimental models. European Journal of Pharmacology, 2018, 829, 129-140.	3.5	12
61	Zebrafish models relevant to studying central opioid and endocannabinoid systems. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 86, 301-312.	4.8	48
62	Zebrafish models: do we have valid paradigms for depression?. Journal of Pharmacological and Toxicological Methods, 2018, 94, 16-22.	0.7	34
63	The Effects of Chronic Amitriptyline on Zebrafish Behavior and Monoamine Neurochemistry. Neurochemical Research, 2018, 43, 1191-1199.	3.3	38
64	Understanding the Role of Environmental Enrichment in Zebrafish Neurobehavioral Models. Zebrafish, 2018, 15, 425-432.	1.1	19
65	Acute effects of amitriptyline on adult zebrafish: Potential relevance to antidepressant drug screening and modeling human toxidromes. Neurotoxicology and Teratology, 2017, 62, 27-33.	2.4	46
66	Animal inflammation-based models of depression and their application to drug discovery. Expert Opinion on Drug Discovery, 2017, 12, 995-1009.	5.0	57
67	Adult zebrafish in CNS disease modeling: a tank that's half-full, not half-empty, and still filling. Lab Animal, 2017, 46, 378-387.	0.4	49
68	Pharmacological characterization of a novel putative nootropic beta-alanine derivative, MB-005, in adult zebrafish. Journal of Psychopharmacology, 0, , 026988112210981.	4.0	1