

Konstantin A Demin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7304182/publications.pdf>

Version: 2024-02-01

68
papers

1,397
citations

304743

22
h-index

414414

32
g-index

70
all docs

70
docs citations

70
times ranked

1051
citing authors

#	ARTICLE	IF	CITATIONS
1	Animal inflammation-based models of depression and their application to drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2017, 12, 995-1009.	5.0	57
2	Understanding zebrafish aggressive behavior. <i>Behavioural Processes</i> , 2019, 158, 200-210.	1.1	56
3	Zebrafish as a Model of Neurodevelopmental Disorders. <i>Neuroscience</i> , 2020, 445, 3-11.	2.3	53
4	DARK Classics in Chemical Neuroscience: Arecoline. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2176-2185.	3.5	52
5	Adult zebrafish in CNS disease modeling: a tank that's half-full, not half-empty, and still filling. <i>Lab Animal</i> , 2017, 46, 378-387.	0.4	49
6	Sex differences in behavior and neuropharmacology of zebrafish. <i>European Journal of Neuroscience</i> , 2020, 52, 2586-2603.	2.6	49
7	Zebrafish models relevant to studying central opioid and endocannabinoid systems. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 86, 301-312.	4.8	48
8	DARK Classics in Chemical Neuroscience: Atropine, Scopolamine, and Other Anticholinergic Deliriant Hallucinogens. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2144-2159.	3.5	47
9	Acute effects of amitriptyline on adult zebrafish: Potential relevance to antidepressant drug screening and modeling human toxidromes. <i>Neurotoxicology and Teratology</i> , 2017, 62, 27-33.	2.4	46
10	Zebrafish models for personalized psychiatry: Insights from individual, strain and sex differences, and modeling gene x environment interactions. <i>Journal of Neuroscience Research</i> , 2019, 97, 402-413.	2.9	43
11	Sex differences in adult zebrafish anxiolytic-like responses to diazepam and melatonin. <i>Neuroscience Letters</i> , 2020, 714, 134548.	2.1	42
12	The Effects of Chronic Amitriptyline on Zebrafish Behavior and Monoamine Neurochemistry. <i>Neurochemical Research</i> , 2018, 43, 1191-1199.	3.3	38
13	Opioid Neurobiology, Neurogenetics and Neuropharmacology in Zebrafish. <i>Neuroscience</i> , 2019, 404, 218-232.	2.3	36
14	Effects of acute and chronic arecoline in adult zebrafish: Anxiolytic-like activity, elevated brain monoamines and the potential role of microglia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 104, 109977.	4.8	36
15	Understanding neurobehavioral effects of acute and chronic stress in zebrafish. <i>Stress</i> , 2021, 24, 1-18.	1.8	36
16	Zebrafish models: do we have valid paradigms for depression?. <i>Journal of Pharmacological and Toxicological Methods</i> , 2018, 94, 16-22.	0.7	34
17	Neuropharmacology, pharmacogenetics and pharmacogenomics of aggression: The zebrafish model. <i>Pharmacological Research</i> , 2019, 141, 602-608.	7.1	33
18	High-glucose/high-cholesterol diet in zebrafish evokes diabetic and affective pathogenesis: The role of peripheral and central inflammation, microglia and apoptosis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 96, 109752.	4.8	33

#	ARTICLE	IF	CITATIONS
19	The role of intraspecies variation in fish neurobehavioral and neuropharmacological phenotypes in aquatic models. <i>Aquatic Toxicology</i> , 2019, 210, 44-55.	4.0	27
20	Acute behavioral effects of deliriant hallucinogens atropine and scopolamine in adult zebrafish. <i>Behavioural Brain Research</i> , 2019, 359, 274-280.	2.2	26
21	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. <i>Journal of Neuroscience Methods</i> , 2020, 337, 108637.	2.5	25
22	Understanding complex dynamics of behavioral, neurochemical and transcriptomic changes induced by prolonged chronic unpredictable stress in zebrafish. <i>Scientific Reports</i> , 2020, 10, 19981.	3.3	24
23	Behavioral and physiological effects of acute and chronic kava exposure in adult zebrafish. <i>Neurotoxicology and Teratology</i> , 2020, 79, 106881.	2.4	24
24	Modeling neurodegenerative disorders in zebrafish. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 138, 104679.	6.1	23
25	Modeling gut-brain interactions in zebrafish. <i>Brain Research Bulletin</i> , 2019, 148, 55-62.	3.0	22
26	The evolutionarily conserved role of melatonin in CNS disorders and behavioral regulation: Translational lessons from zebrafish. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 99, 117-127.	6.1	21
27	Emotional behavior in aquatic organisms? Lessons from crayfish and zebrafish. <i>Journal of Neuroscience Research</i> , 2020, 98, 764-779.	2.9	21
28	Understanding the Role of Environmental Enrichment in Zebrafish Neurobehavioral Models. <i>Zebrafish</i> , 2018, 15, 425-432.	1.1	19
29	Developing zebrafish experimental animal models relevant to schizophrenia. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 105, 126-133.	6.1	19
30	An acetylcholinesterase inhibitor, donepezil, increases anxiety and cortisol levels in adult zebrafish. <i>Journal of Psychopharmacology</i> , 2020, 34, 1449-1456.	4.0	19
31	Abnormal repetitive behaviors in zebrafish and their relevance to human brain disorders. <i>Behavioural Brain Research</i> , 2019, 367, 101-110.	2.2	18
32	Zebrafish models of diabetes-related CNS pathogenesis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 92, 48-58.	4.8	18
33	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. <i>Behavioural Brain Research</i> , 2020, 389, 112644.	2.2	18
34	Understanding how stress responses and stress-related behaviors have evolved in zebrafish and mammals. <i>Neurobiology of Stress</i> , 2021, 15, 100405.	4.0	18
35	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.	5.7	18
36	DARK Classics in Chemical Neuroscience: Î±-Pyrrolidinovalerophenone (α-Flakka). <i>ACS Chemical Neuroscience</i> , 2019, 10, 168-174.	3.5	16

#	ARTICLE	IF	CITATIONS
37	Non-pharmacological and pharmacological approaches for psychiatric disorders: Re-appraisal and insights from zebrafish models. <i>Pharmacology Biochemistry and Behavior</i> , 2020, 193, 172928.	2.9	16
38	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.	5.0	14
39	DARK Classics in Chemical Neuroscience: Kava. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3893-3904.	3.5	14
40	Artificial intelligence-driven phenotyping of zebrafish psychoactive drug responses. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 112, 110405.	4.8	14
41	Understanding antidepressant discontinuation syndrome (ADS) through preclinical experimental models. <i>European Journal of Pharmacology</i> , 2018, 829, 129-140.	3.5	12
42	Understanding neurobehavioral genetics of zebrafish. <i>Journal of Neurogenetics</i> , 2020, 34, 203-215.	1.4	12
43	Studying CNS effects of Traditional Chinese Medicine using zebrafish models. <i>Journal of Ethnopharmacology</i> , 2021, 267, 113383.	4.1	12
44	Sex differences shape zebrafish performance in a battery of anxiety tests and in response to acute scopolamine treatment. <i>Neuroscience Letters</i> , 2021, 759, 135993.	2.1	12
45	Color as an important biological variable in zebrafish models: Implications for translational neurobehavioral research. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 124, 1-15.	6.1	11
46	Melatonin treatment reverses cognitive and endocrine deficits evoked by a 24-h light exposure in adult zebrafish. <i>Neuroscience Letters</i> , 2020, 733, 135073.	2.1	11
47	Auditory environmental enrichment prevents anxiety-like behavior, but not cortisol responses, evoked by 24-h social isolation in zebrafish. <i>Behavioural Brain Research</i> , 2021, 404, 113169.	2.2	10
48	Cross-species Analyses of Intra-species Behavioral Differences in Mammals and Fish. <i>Neuroscience</i> , 2020, 429, 33-45.	2.3	9
49	Decoding the role of zebrafish neuroglia in CNS disease modeling. <i>Brain Research Bulletin</i> , 2021, 166, 44-53.	3.0	9
50	Modulation of behavioral and neurochemical responses of adult zebrafish by fluoxetine, eicosapentaenoic acid and lipopolysaccharide in the prolonged chronic unpredictable stress model. <i>Scientific Reports</i> , 2021, 11, 14289.	3.3	9
51	Zebrafish models of impulsivity and impulse control disorders. <i>European Journal of Neuroscience</i> , 2020, 52, 4233-4248.	2.6	8
52	A new method for vibration-based neurophenotyping of zebrafish. <i>Journal of Neuroscience Methods</i> , 2020, 333, 108563.	2.5	7
53	Unconventional anxiety pharmacology in zebrafish: Drugs beyond traditional anxiogenic and anxiolytic spectra. <i>Pharmacology Biochemistry and Behavior</i> , 2021, 207, 173205.	2.9	7
54	CNS genomic profiling in the mouse chronic social stress model implicates a novel category of candidate genes integrating affective pathogenesis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 105, 110086.	4.8	6

#	ARTICLE	IF	CITATIONS
55	On the value of zebrafish outbred strains in neurobehavioral research. <i>Lab Animal</i> , 2021, , .	0.4	6
56	Psychopharmacological characterization of an emerging drug of abuse, a synthetic opioid U-47700, in adult zebrafish. <i>Brain Research Bulletin</i> , 2021, 167, 48-55.	3.0	5
57	Pro-social and anxiolytic-like behavior following a single 24-h exposure to 17 β -estradiol in adult male zebrafish. <i>Neuroscience Letters</i> , 2021, 747, 135591.	2.1	4
58	Putative anxiolytic-like behavioral effects of acute paracetamol in adult zebrafish. <i>Behavioural Brain Research</i> , 2021, 409, 113293.	2.2	4
59	Acute behavioral and Neurochemical Effects of Novel <i>N</i> -Benzyl-2-Phenylethylamine Derivatives in Adult Zebrafish. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1902-1922.	3.5	4
60	The role of auditory and vibration stimuli in zebrafish neurobehavioral models. <i>Behavioural Processes</i> , 2021, 193, 104505.	1.1	3
61	Understanding sex differences in zebrafish pain- and fear-related behaviors. <i>Neuroscience Letters</i> , 2022, 772, 136412.	2.1	3
62	Towards Modeling Anhedonia and Its Treatment in Zebrafish. <i>International Journal of Neuropsychopharmacology</i> , 2022, 25, 293-306.	2.1	3
63	Exploring CNS effects of American traditional medicines using zebrafish models. <i>Current Neuropharmacology</i> , 2021, 19, .	2.9	2
64	Behavioral Studies in Zebrafish. , 2020, , 24-24.		1
65	Zebrafish Models for Stress Research. , 2021, , 263-268.		1
66	Understanding early-life pain and its effects on adult human and animal emotionality: Translational lessons from rodent and zebrafish models. <i>Neuroscience Letters</i> , 2021, 768, 136382.	2.1	1
67	Towards translational modeling of behavioral despair and its treatment in zebrafish. <i>Behavioural Brain Research</i> , 2022, , 113906.	2.2	1
68	Pharmacological characterization of a novel putative nootropic beta-alanine derivative, MB-005, in adult zebrafish. <i>Journal of Psychopharmacology</i> , 0, , 026988112210981.	4.0	1