

# Ilan A Kerman

## List of Publications by Year in descending order

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45  
papers

2,197  
citations

236925

25  
h-index

276875

41  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2885  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling heritability of temperamental differences, stress reactivity, and risk for anxiety and depression: Relevance to research domain criteria (RDoC). <i>European Journal of Neuroscience</i> , 2022, 55, 2076-2107.	2.6	5
2	Structural and metabolic activity differences in serotonergic cell groups in a rat model of individual differences of emotionality and stress reactivity. <i>Neuroscience Letters</i> , 2022, 784, 136752.	2.1	0
3	Inborn differences in emotional behavior coincide with alterations in hypothalamic paraventricular motor projections. <i>European Journal of Neuroscience</i> , 2021, 53, 814-826.	2.6	1
4	Examining the Role of Microbiota in Emotional Behavior: Antibiotic Treatment Exacerbates Anxiety in High Anxiety-Prone Male Rats. <i>Neuroscience</i> , 2021, 459, 179-197.	2.3	11
5	Distinct effects of early-life experience and trait aggression on cardiovascular reactivity and recovery. <i>Physiology and Behavior</i> , 2019, 199, 375-385.	2.1	1
6	Differential stress induced c-Fos expression and identification of region-specific miRNA-mRNA networks in the dorsal raphe and amygdala of high-responder/low-responder rats. <i>Behavioural Brain Research</i> , 2017, 319, 110-123.	2.2	35
7	A2 noradrenergic neurons regulate forced swim test immobility. <i>Physiology and Behavior</i> , 2016, 165, 339-349.	2.1	8
8	Neonatal maternal separation stress elicits lasting <scp>DNA</scp> methylation changes in the hippocampus of stressâ€reactive Wistar Kyoto rats. <i>European Journal of Neuroscience</i> , 2016, 44, 2829-2845.	2.6	41
9	Independent effects of early-life experience and trait aggression on cardiovascular function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R272-R286.	1.8	6
10	Protective effects of chronic mild stress during adolescence in the low-novelty responder rat. <i>Stress</i> , 2016, 19, 133-138.	1.8	20
11	Maternal Style Selectively Shapes Amygdalar Development and Social Behavior in Rats Genetically Prone to High Anxiety. <i>Developmental Neuroscience</i> , 2015, 37, 203-214.	2.0	33
12	Inborn stress reactivity shapes adult behavioral consequences of early-life maternal separation stress. <i>Neuroscience Letters</i> , 2015, 584, 146-150.	2.1	39
13	Learned helplessness and social avoidance in the Wistar-Kyoto rat. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 109.	2.0	114
14	A subset of presympathetic-premotor neurons within the centrally projecting Edingerâ€™Westphal nucleus expresses urocortin-1. <i>Journal of Chemical Neuroanatomy</i> , 2013, 52, 25-35.	2.1	14
15	Expression of tyrosine hydroxylase within distinct populations of presympatheticâ€™premotor neurons in the rat brainstem. <i>FASEB Journal</i> , 2013, 27, 932.13.	0.5	0
16	New Insights Into BDNF Signaling: Relevance to Major Depression and Antidepressant Action. <i>American Journal of Psychiatry</i> , 2012, 169, 1137-1140.	7.2	26
17	Evidence for Transcriptional Factor Dysregulation in the Dorsal Raphe Nucleus of Patients with Major Depressive Disorder. <i>Frontiers in Neuroscience</i> , 2012, 6, 135.	2.8	35
18	Inborn differences in environmental reactivity predict divergent diurnal behavioral, endocrine, and gene expression rhythms. <i>Psychoneuroendocrinology</i> , 2012, 37, 256-269.	2.7	26

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19	Novelty-seeking behavior predicts vulnerability in a rodent model of depression. <i>Physiology and Behavior</i> , 2011, 103, 210-216.	2.1	114
20	Altered expression of glutamate signaling, growth factor, and glia genes in the locus coeruleus of patients with major depression. <i>Molecular Psychiatry</i> , 2011, 16, 634-646.	7.9	313
21	Pattern of forebrain activation in high novelty-seeking rats following aggressive encounter. <i>Brain Research</i> , 2011, 1422, 20-31.	2.2	29
22	High novelty-seeking predicts aggression and gene expression differences within defined serotonergic cell groups. <i>Brain Research</i> , 2011, 1419, 34-45.	2.2	52
23	Leptin-Receptor-Expressing Neurons in the Dorsomedial Hypothalamus and Median Preoptic Area Regulate Sympathetic Brown Adipose Tissue Circuits. <i>Journal of Neuroscience</i> , 2011, 31, 1873-1884.	3.6	217
24	Region-Specific In Situ Hybridization-Guided Laser-Capture Microdissection on Postmortem Human Brain Tissue Coupled with Gene Expression Quantification. <i>Methods in Molecular Biology</i> , 2011, 755, 345-361.	0.9	5
25	Expression patterns of corticotropin-releasing factor, arginine vasopressin, histidine decarboxylase, melanin-concentrating hormone, and orexin genes in the human hypothalamus. <i>Journal of Comparative Neurology</i> , 2010, 518, 4591-4611.	1.6	29
26	Chemical Coding for Cardiovascular Sympathetic Preganglionic Neurons in Rats. <i>Journal of Neuroscience</i> , 2010, 30, 11781-11791.	3.6	25
27	Candesartan reverses depression-like behavior in a rodent model of depression. <i>FASEB Journal</i> , 2010, 24, 1052.3.	0.5	1
28	Upregulation in the Expression of Tryptophan Hydroxylase 2 (TPH2) in the Lower Brainstem in Depression. <i>FASEB Journal</i> , 2010, 24, 1b613.	0.5	0
29	Evolutionary Sequence Modeling for Discovery of Peptide Hormones. <i>PLoS Computational Biology</i> , 2009, 5, e1000258.	3.2	88
30	Localization of serotonergic neurons that participate in regulating diaphragm activity in the cat. <i>Brain Research</i> , 2009, 1279, 71-81.	2.2	15
31	Gene expression profiling of neurochemically defined regions of the human brain by in situ hybridization-guided laser capture microdissection. <i>Journal of Neuroscience Methods</i> , 2009, 178, 46-54.	2.5	31
32	Organization of brain somatomotor-sympathetic circuits. <i>Experimental Brain Research</i> , 2008, 187, 1-16.	1.5	62
33	Upregulation of GAD65 mRNA in the medulla of the rat model of metabolic syndrome. <i>Neuroscience Letters</i> , 2007, 419, 178-183.	2.1	11
34	Distinct populations of presympathetic-premotor neurons express orexin or melanin-concentrating hormone in the rat lateral hypothalamus. <i>Journal of Comparative Neurology</i> , 2007, 505, 586-601.	1.6	52
35	Combining laser capture microdissection with quantitative real-time PCR: Effects of tissue manipulation on RNA quality and gene expression. <i>Journal of Neuroscience Methods</i> , 2006, 153, 71-85.	2.5	75
36	Relationship of presympathetic-premotor neurons to the serotonergic transmitter system in the rat brainstem. <i>Journal of Comparative Neurology</i> , 2006, 499, 882-896.	1.6	47

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37	Rostral Elements of Sympatho-motor Circuitry: A Virally Mediated Transsynaptic Tracing Study. Journal of Neuroscience, 2006, 26, 3423-3433.	3.6	76
38	Brainstem Substrates of Sympatho-Motor Circuitry Identified Using Trans-Synaptic Tracing with Pseudorabies Virus Recombinants. Journal of Neuroscience, 2003, 23, 4657-4666.	3.6	142
39	Vestibular influences on cardiovascular control during movement. , 2002, , 691-700.		0
40	Autoradiographic Study of Pre- and Postnatal Distribution of Cannabinoid Receptors in Human Brain. NeuroImage, 2001, 14, 1463-1468.	4.2	108
41	Role of Potassium Conductances in Determining Input Resistance of Developing Brain Stem Motoneurons. Journal of Neurophysiology, 2000, 84, 2330-2339.	1.8	34
42	Patterning of sympathetic nerve activity in response to vestibular stimulation. Brain Research Bulletin, 2000, 53, 11-16.	3.0	51
43	Post-spaceflight orthostatic intolerance: possible relationship to microgravity-induced plasticity in the vestibular system. Brain Research Reviews, 1998, 28, 73-82.	9.0	95
44	Influences of neck afferents on sympathetic and respiratory nerve activity. Brain Research Bulletin, 1998, 47, 413-419.	3.0	45
45	Interdigitation of nitric oxide synthase-, tyrosine hydroxylase-, and serotonin-containing neurons in and around the laterodorsal and pedunculopontine tegmental nuclei of the guinea pig. Journal of Comparative Neurology, 1995, 362, 411-432.	1.6	65