

# Avi Avital

## List of Publications by Year in descending order

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56  
papers

2,460  
citations

236925

25  
h-index

197818

49  
g-index

56  
all docs

56  
docs citations

56  
times ranked

3743  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impaired interleukin-1 signaling is associated with deficits in hippocampal memory processes and neural plasticity. <i>Hippocampus</i> , 2003, 13, 826-834.	1.9	306
2	Reversible modulations of neuronal plasticity by VEGF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5081-5086.	7.1	213
3	Exposure to juvenile stress exacerbates the behavioural consequences of exposure to stress in the adult rat. <i>International Journal of Neuropsychopharmacology</i> , 2005, 8, 163-173.	2.1	187
4	Astrocytes support hippocampal-dependent memory and long-term potentiation via interleukin-1 signaling. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 1008-1016.	4.1	100
5	The SSRIs drug Fluoxetine, but not the noradrenergic tricyclic drug Desipramine, improves memory performance during acute major depression. <i>Brain Research Bulletin</i> , 2002, 58, 345-350.	3.0	95
6	Contrasting Roles of Corticosteroid Receptors in Hippocampal Plasticity. <i>Journal of Neuroscience</i> , 2006, 26, 9130-9134.	3.6	94
7	Role of Mental Retardation-Associated Dystrophin-Gene Product Dp71 in Excitatory Synapse Organization, Synaptic Plasticity and Behavioral Functions. <i>PLoS ONE</i> , 2009, 4, e6574.	2.5	94
8	Morphological changes in hippocampal dentate gyrus synapses following spatial learning in rats are transient. <i>European Journal of Neuroscience</i> , 2003, 17, 1973-1980.	2.6	93
9	The international society for developmental psychobiology annual meeting symposium: Impact of early life experiences on brain and behavioral development. <i>Developmental Psychobiology</i> , 2006, 48, 583-602.	1.6	87
10	A novel transgenic mouse expressing double mutant tau driven by its natural promoter exhibits tauopathy characteristics. <i>Experimental Neurology</i> , 2008, 212, 71-84.	4.1	81
11	Environmental Enrichment Restores Memory Functioning in Mice with Impaired IL-1 Signaling via Reinstatement of Long-Term Potentiation and Spine Size Enlargement. <i>Journal of Neuroscience</i> , 2009, 29, 3395-3403.	3.6	81
12	Effects of early-life stress on behavior and neurosteroid levels in the rat hypothalamus and entorhinal cortex. <i>Brain Research Bulletin</i> , 2006, 68, 419-424.	3.0	79
13	ASCT1 (Slc1a4) transporter is a physiologic regulator of brain d-serine and neurodevelopment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9628-9633.	7.1	77
14	Amygdala modulation of memory-related processes in the hippocampus: potential relevance to PTSD. <i>Progress in Brain Research</i> , 2007, 167, 35-51.	1.4	67
15	Exercise Increases the Preference for Salt in Humans. <i>Appetite</i> , 1999, 32, 251-260.	3.7	55
16	Acute and Repeated Swim Stress Effects on Peripheral Benzodiazepine Receptors in the Rat Hippocampus, Adrenal, and Kidney. <i>Neuropsychopharmacology</i> , 2001, 25, 669-678.	5.4	54
17	Asc-1 Transporter Regulation of Synaptic Activity via the Tonic Release of d-Serine in the Forebrain. <i>Cerebral Cortex</i> , 2017, 27, bhv350.	2.9	54
18	The alanine-serine-cysteine (Asc) transporter controls glycine levels in the brain and is required for glycinergic inhibitory transmission. <i>EMBO Reports</i> , 2015, 16, 590-598.	4.5	48

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19	Neonatal and juvenile stress induces changes in adult social behavior without affecting cognitive function. <i>Behavioural Brain Research</i> , 2008, 190, 135-139.	2.2	47
20	Methylphenidate and desipramine combined treatment improves PTSD symptomatology in a rat model. <i>Translational Psychiatry</i> , 2014, 4, e447-e447.	4.8	39
21	Serum prolactin levels in unmedicated first-episode and recurrent schizophrenia patients: a possible marker for the disease's subtypes. <i>Psychiatry Research</i> , 2004, 127, 227-235.	3.3	37
22	Human-animal interface: The effects of handler's stress on the performance of canines in an explosive detection task. <i>Applied Animal Behaviour Science</i> , 2014, 158, 69-75.	1.9	36
23	Environmental Enrichment Preceding Early Adulthood Methylphenidate Treatment Leads to Long Term Increase of Corticosterone and Testosterone in the Rat. <i>PLoS ONE</i> , 2011, 6, e22059.	2.5	36
24	Prenatal Enriched Environment improves emotional and attentional reactivity to adulthood stress. <i>Behavioural Brain Research</i> , 2013, 241, 185-190.	2.2	34
25	Prolactin and estradiol serum levels in unmedicated male paranoid schizophrenia patients. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007, 31, 378-382.	4.8	32
26	Methylphenidate and environmental enrichment ameliorate the deleterious effects of prenatal stress on attention functioning. <i>Stress</i> , 2015, 18, 280-288.	1.8	28
27	Quinazoline-based tricyclic compounds that regulate programmed cell death, induce neuronal differentiation, and are curative in animal models for excitotoxicity and hereditary brain disease. <i>Cell Death Discovery</i> , 2015, 1, 15027.	4.7	26
28	Serum creatine kinase level in unmedicated nonpsychotic, psychotic, bipolar and schizoaffective depressed patients. <i>European Neuropsychopharmacology</i> , 2007, 17, 194-198.	0.7	25
29	Aged SOD Overexpressing Mice Exhibit Enhanced Spatial Memory While Lacking Hippocampal Neurogenesis. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 181-189.	5.4	25
30	L-Carnitine improves cognitive and renal functions in a rat model of chronic kidney disease. <i>Physiology and Behavior</i> , 2016, 164, 182-188.	2.1	21
31	Use of information and communication technologies among individuals with and without serious mental illness. <i>Psychiatry Research</i> , 2018, 266, 160-167.	3.3	21
32	CK levels in unmedicated bipolar patients. <i>European Neuropsychopharmacology</i> , 2007, 17, 763-767.	0.7	16
33	Intrusive trauma recollections is associated with impairment of interference inhibition and psychomotor speed in PTSD. <i>Comprehensive Psychiatry</i> , 2014, 55, 1587-1594.	3.1	15
34	Evidence for social cooperation in rodents by automated maze. <i>Scientific Reports</i> , 2016, 6, 29517.	3.3	15
35	Physiological parameters of mental health predict the emergence of post-traumatic stress symptoms in physicians treating COVID-19 patients. <i>Translational Psychiatry</i> , 2021, 11, 169.	4.8	15
36	Shyness and social phobia in Israeli Jewish vs Arab students. <i>Comprehensive Psychiatry</i> , 2011, 52, 708-714.	3.1	14

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37	Mapping the developmental trajectory of stress effects: Pubescence as the risk window. <i>Psychoneuroendocrinology</i> , 2015, 52, 168-175.	2.7	14
38	Plant-derived nanoparticle treatment with cocc 30c ameliorates attention and motor abilities in sleep-deprived rats. <i>Neuroscience</i> , 2013, 253, 1-8.	2.3	12
39	Prepubertal chronic stress and ketamine administration to rats as a neurodevelopmental model of schizophrenia symptomatology. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 2307-2314.	2.1	12
40	Serum creatine kinase activity differentiates alcohol syndromes of dependence, withdrawal and delirium tremens. <i>European Neuropsychopharmacology</i> , 2009, 19, 92-96.	0.7	11
41	The role of branched chain amino acid and tryptophan metabolism in rat's behavioral diversity: Intertwined peripheral and brain effects. <i>European Neuropsychopharmacology</i> , 2015, 25, 1695-1705.	0.7	11
42	Establishing hospital admission criteria of pediatric Henoch-Schonlein purpura. <i>Rheumatology International</i> , 2014, 34, 1497-1503.	3.0	9
43	Dog training alleviates PTSD symptomatology by emotional and attentional regulation. <i>HÅrre Utbildning</i> , 2021, 12, 1995264.	3.0	8
44	Developmental effects of environmental enrichment on selective and auditory sustained attention. <i>Psychoneuroendocrinology</i> , 2020, 111, 104479.	2.7	7
45	Prolactin serum levels in paranoid versus nonparanoid male schizophrenia patients treated with risperidone. <i>International Clinical Psychopharmacology</i> , 2007, 22, 192-196.	1.7	6
46	Early postnatal interference with the expression of multiple Sp1 regulated genes leads to disparate behavioral response to sub-chronic and chronic stress in rats. <i>Psychoneuroendocrinology</i> , 2013, 38, 2173-2183.	2.7	5
47	Altered Volatile Organic Compound Profile in Transgenic Rats Bearing A53T Mutation of Human $\alpha$ -Synuclein: Comparison with Dopaminergic and Serotonergic Denervation. <i>ACS Chemical Neuroscience</i> , 2018, 9, 291-297.	3.5	5
48	A probabilistic model of startle response reveals opposite effects of acute versus chronic Methylphenidate treatment. <i>Journal of Neuroscience Methods</i> , 2019, 327, 108389.	2.5	5
49	Exaggerated neurophysiological responses to stressor in patients with chronic spontaneous urticaria. <i>Clinical and Experimental Allergy</i> , 2021, 51, 936-938.	2.9	2
50	Attention Dysregulation in Breast Cancer Patients Following a Complementary Alternative Treatment Routine: A Double-Blind Randomized Trial. <i>Integrative Cancer Therapies</i> , 2021, 20, 153473542110194.	2.0	2
51	Feline cognitive dysfunction as a model for Alzheimer's disease in the research of CBD as a potential treatment—a narrative review. <i>Journal of Cannabis Research</i> , 2020, 2, 43.	3.2	2
52	Editorial: Attention and Methylphenidate. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 66.	2.0	1
53	Challenges in Basic and Instrumental Activities of Daily Living among Adults with Posttraumatic Stress Disorder: A Scoping Review. <i>Occupational Therapy in Mental Health</i> , 2023, 39, 184-210.	0.3	1
54	Letter to the Editor. <i>Psychoneuroendocrinology</i> , 2015, 58, 152-153.	2.7	0

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55	High resolution behavioral and neural activity representation using a geometrical approach. Scientific Reports, 2020, 10, 7977.	3.3	0
56	Are Our Genes Important for Cooperation?. Frontiers for Young Minds, 0, 9, .	0.8	0