

Maya Frankfurt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8970152/publications.pdf>

Version: 2024-02-01

79
papers

6,772
citations

71102

41
h-index

69250

77
g-index

80
all docs

80
docs citations

80
times ranked

4586
citing authors

#	ARTICLE	IF	CITATIONS
1	Gonadal steroids regulate dendritic spine density in hippocampal pyramidal cells in adulthood. <i>Journal of Neuroscience</i> , 1990, 10, 1286-1291.	3.6	1,254
2	Naturally occurring fluctuation in dendritic spine density on adult hippocampal pyramidal neurons. <i>Journal of Neuroscience</i> , 1990, 10, 4035-4039.	3.6	971
3	Gonadal Steroids Modify Dendritic Spine Density in Ventromedial Hypothalamic Neurons: A Golgi Study in the Adult Rat. <i>Neuroendocrinology</i> , 1990, 51, 530-535.	2.5	239
4	Sex differences and thyroid hormone sensitivity of hippocampal pyramidal cells. <i>Journal of Neuroscience</i> , 1990, 10, 996-1003.	3.6	207
5	Ovariectomized rats show decreased recognition memory and spine density in the hippocampus and prefrontal cortex. <i>Brain Research</i> , 2006, 1126, 176-182.	2.2	207
6	Interactions between estradiol, BDNF and dendritic spines in promoting memory. <i>Neuroscience</i> , 2013, 239, 34-45.	2.3	195
7	Sexually Dimorphic Effects of Prenatal Stress on Cognition, Hormonal Responses, and Central Neurotransmitters. <i>Endocrinology</i> , 2004, 145, 3778-3787.	2.8	188
8	HMGB1 Mediates Cognitive Impairment in Sepsis Survivors. <i>Molecular Medicine</i> , 2012, 18, 930-937.	4.4	172
9	Chronic Stress and Neural Function: Accounting for Sex and Age. <i>Journal of Neuroendocrinology</i> , 2007, 19, 743-751.	2.6	154
10	Steroid hormones as mediators of neural plasticity. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1991, 39, 223-232.	2.5	130
11	Prevention of stress-induced morphological and cognitive consequences. <i>European Neuropsychopharmacology</i> , 1997, 7, S323-S328.	0.7	127
12	Estradiol-Mediated Spine Changes in the Dorsal Hippocampus and Medial Prefrontal Cortex of Ovariectomized Female Mice Depend on ERK and mTOR Activation in the Dorsal Hippocampus. <i>Journal of Neuroscience</i> , 2016, 36, 1483-1489.	3.6	119
13	The evolving role of dendritic spines and memory: Interaction(s) with estradiol. <i>Hormones and Behavior</i> , 2015, 74, 28-36.	2.1	117
14	Biochemical and immunocytochemical localization of the neuropeptides FMRFamide, SCPA, SCPB, to neurons involved in the regulation of feeding in <i>Aplysia</i> . <i>Journal of Neuroscience</i> , 1987, 7, 1123-1132.	3.6	114
15	Localized actions of progesterone in hypothalamus involve oxytocin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 6798-6801.	7.1	106
16	Bisphenol-A impairs memory and reduces dendritic spine density in adult male rats.. <i>Behavioral Neuroscience</i> , 2012, 126, 175-185.	1.2	100
17	Estrogen-Induced Memory Enhancements Are Blocked by Acute Bisphenol A in Adult Female Rats: Role of Dendritic Spines. <i>Endocrinology</i> , 2012, 153, 3357-3367.	2.8	96
18	The immunocytochemical localization of serotonergic neurons in the rat hypothalamus. <i>Neuroscience Letters</i> , 1981, 24, 227-232.	2.1	90

#	ARTICLE	IF	CITATIONS
19	Estrogens facilitate memory processing through membrane mediated mechanisms and alterations in spine density. <i>Frontiers in Neuroendocrinology</i> , 2012, 33, 388-402.	5.2	87
20	Sex differences in $\hat{1}^3$ -aminobutyric acid and glutamate concentrations in discrete rat brain nuclei. <i>Neuroscience Letters</i> , 1984, 50, 245-250.	2.1	86
21	Estrogen-induction of dendritic spines in ventromedial hypothalamus and hippocampus: effects of neonatal aromatase blockade and adult GDx. <i>Developmental Brain Research</i> , 1995, 87, 91-95.	1.7	84
22	Gonadal Hormones Rapidly Enhance Spatial Memory and Increase Hippocampal Spine Density in Male Rats. <i>Endocrinology</i> , 2016, 157, 1357-1362.	2.8	82
23	Dietary phytoestrogens enhance spatial memory and spine density in the hippocampus and prefrontal cortex of ovariectomized rats. <i>Brain Research</i> , 2006, 1126, 183-187.	2.2	77
24	Effect of 5,7-Dihydroxytryptamine, Ovariectomy and Gonadal Steroids on Serotonin Receptor Binding in Rat Brain. <i>Neuroendocrinology</i> , 1994, 59, 245-250.	2.5	76
25	Facilitated sexual behavior reversed and serotonin restored by raphe nuclei transplanted into denervated hypothalamus. <i>Science</i> , 1984, 226, 1436-1439.	12.6	72
26	Age-Dependent Effects of A53T Alpha-Synuclein on Behavior and Dopaminergic Function. <i>PLoS ONE</i> , 2013, 8, e60378.	2.5	72
27	High-Affinity Naloxone Binding to Filamin A Prevents Mu Opioid Receptor $\hat{1}^G$ s Coupling Underlying Opioid Tolerance and Dependence. <i>PLoS ONE</i> , 2008, 3, e1554.	2.5	70
28	Regeneration of serotonergic fibers in the rat hypothalamus following unilateral 5,7-dihydroxytryptamine injection. <i>Brain Research</i> , 1984, 298, 273-282.	2.2	64
29	Developing forebrain astrocytes are sensitive to thyroid hormone. <i>Glia</i> , 1990, 3, 283-292.	4.9	63
30	Intrahypothalamic 5,7-dihydroxytryptamine: Temporal analysis of effects on 5-hydroxytryptamine content in brain nuclei and on facilitated lordosis behavior. <i>Brain Research</i> , 1985, 340, 127-133.	2.2	61
31	Estrous Cycle Variations in Cholecystokinin and Substance P Concentrations in Discrete Areas of the Rat Brain. <i>Neuroendocrinology</i> , 1986, 42, 226-231.	2.5	58
32	Impaired Recognition Memory and Decreased Prefrontal Cortex Spine Density in Aged Female Rats. <i>Annals of the New York Academy of Sciences</i> , 2007, 1097, 54-57.	3.8	57
33	Reducing Amyloid-Related Alzheimer's Disease Pathogenesis by a Small Molecule Targeting Filamin A. <i>Journal of Neuroscience</i> , 2012, 32, 9773-9784.	3.6	55
34	Intrahypothalamic 5,7-dihydroxytryptamine facilitates feminine sexual behavior and decreases [3H]imipramine binding and 5-HT uptake. <i>Brain Research</i> , 1983, 264, 344-348.	2.2	54
35	The effect of intracerebral injections of 5,7-dihydroxytryptamine and 6-hydroxydopamine on the serotonin-immunoreactive cell bodies and fibers in the adult rat hypothalamus. <i>Brain Research</i> , 1983, 261, 91-99.	2.2	54
36	Estrogen increases axodendritic synapses in the VMN of rats after ovariectomy. <i>NeuroReport</i> , 1991, 2, 380-382.	1.2	52

#	ARTICLE	IF	CITATIONS
37	The oxytocin receptor: a target for steroid hormones. <i>Regulatory Peptides</i> , 1993, 45, 115-119.	1.9	52
38	S 24795 Limits β -Amyloid β 7 Nicotinic Receptor Interaction and Reduces Alzheimer's Disease-Like Pathologies. <i>Biological Psychiatry</i> , 2010, 67, 522-530.	1.3	51
39	Bisphenol-A exposure during adolescence leads to enduring alterations in cognition and dendritic spine density in adult male and female rats. <i>Hormones and Behavior</i> , 2015, 69, 89-97.	2.1	51
40	Prenatal cocaine exposure increases anxiety, impairs cognitive function and increases dendritic spine density in adult rats: influence of sex. <i>Neuroscience</i> , 2010, 169, 1287-1295.	2.3	49
41	Estrogenic regulation of memory: The first 50 years. <i>Hormones and Behavior</i> , 2020, 121, 104711.	2.1	48
42	Cholecystokinin and substance P concentrations in discrete areas of the rat brain: sex differences. <i>Brain Research</i> , 1985, 358, 53-58.	2.2	43
43	Cocaine alters dendritic spine density in cortical and subcortical brain regions of the postpartum and virgin female rat. <i>Synapse</i> , 2011, 65, 955-961.	1.2	43
44	Steroid and thyroid hormones modulate a changing brain. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1991, 40, 1-14.	2.5	39
45	Alterations of serotonin receptor binding in the hypothalamus following acute denervation. <i>Brain Research</i> , 1993, 601, 349-352.	2.2	38
46	Adolescent bisphenol-A exposure decreases dendritic spine density: Role of sex and age. <i>Synapse</i> , 2014, 68, 498-507.	1.2	35
47	5,7-DHT facilitated lordosis: Effects of 5-HT agonists. <i>NeuroReport</i> , 1992, 3, 542.	1.2	33
48	Rapid effects on memory consolidation and spine morphology by estradiol in female and male rodents. <i>Hormones and Behavior</i> , 2018, 104, 111-118.	2.1	31
49	Ultrastructural organization of regenerated serotonin axons in the dorsomedial hypothalamus of the adult rat. <i>Journal of Neurocytology</i> , 1987, 16, 799-809.	1.5	29
50	Plasticity of Fetal and Adult CNS Serotonergic Neurons: Role of Growth-Regulatory Factors. <i>Annals of the New York Academy of Sciences</i> , 1990, 600, 343-363.	3.8	28
51	Gonadal Steroids and Neuronal Plasticity. <i>Annals of the New York Academy of Sciences</i> , 1994, 743, 45-59.	3.8	28
52	Prenatal Cocaine Increases Dendritic Spine Density in Cortical and Subcortical Brain Regions of the Rat. <i>Developmental Neuroscience</i> , 2009, 31, 71-75.	2.0	26
53	Ovarian Steroid Modulation of Oxytocin Receptor Binding in the Ventromedial Hypothalamus. <i>Annals of the New York Academy of Sciences</i> , 1992, 652, 374-386.	3.8	25
54	Short-term fluoxetine treatment alters monoamine levels and turnover in discrete brain nuclei. <i>Brain Research</i> , 1994, 650, 127-132.	2.2	24

#	ARTICLE	IF	CITATIONS
55	Age-Related Deficits in Spatial Memory and Hippocampal Spines in Virgin, Female Fischer 344 Rats. <i>Current Gerontology and Geriatrics Research</i> , 2011, 2011, 1-7.	1.6	24
56	Molecular profiling of reticular gigantocellularis neurons indicates that eNOS modulates environmentally dependent levels of arousal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6900-E6909.	7.1	24
57	GABAergic-serotonergic interactions in regulating lordosis. <i>Brain Research</i> , 1991, 556, 171-174.	2.2	23
58	5,7-Dihydroxytryptamine and Gonadal Steroid Manipulation Alter Spine Density in Ventromedial Hypothalamic Neurons. <i>Neuroendocrinology</i> , 1991, 54, 653-657.	2.5	22
59	Tianeptine treatment induces regionally specific changes in monoamines. <i>Brain Research</i> , 1995, 696, 1-6.	2.2	22
60	Preclinical Models of Overwhelming Sepsis Implicate the Neural System that Encodes Contextual Fear Memory. <i>Molecular Medicine</i> , 2016, 22, 789-799.	4.4	22
61	5,7-dihydroxytryptamine injections increase glial fibrillary acidic protein in the hypothalamus of adult rats. <i>Brain Research</i> , 1991, 549, 138-140.	2.2	20
62	The Effects of Aging and Hormonal Manipulation on Amyloid Precursor Protein APP695 mRNA Expression in the Rat Hippocampus. <i>Journal of Neuroendocrinology</i> , 1994, 6, 517-521.	2.6	18
63	Effects of hypothalamic serotonin depletion on lordosis behavior and gonadal hormone receptors. <i>Brain Research</i> , 1987, 426, 47-54.	2.2	17
64	Effects of adolescent Bisphenol-A exposure on memory and spine density in ovariectomized female rats: Adolescence vs adulthood. <i>Hormones and Behavior</i> , 2019, 107, 26-34.	2.1	15
65	Reducing luteinizing hormone levels after ovariectomy improves spatial memory: Possible role of brain-derived neurotrophic factor. <i>Hormones and Behavior</i> , 2020, 118, 104590.	2.1	14
66	Estrogen-modulated frontal cortical CaMKII activity and behavioral supersensitization induced by prolonged cocaine treatment in female rats. <i>Psychopharmacology</i> , 2007, 191, 323-331.	3.1	13
67	The brain at risk: the sepsis syndrome and lessons from preclinical experiments. <i>Immunologic Research</i> , 2015, 63, 70-74.	2.9	12
68	Reinnervation of dopamine neurons by regenerating serotonin axons in the rat medial zona incerta. <i>Experimental Brain Research</i> , 1988, 72, 473-80.	1.5	9
69	Temporal effects of intrahypothalamic 5,7-dihydroxytryptamine: relationship between serotonin levels and [3H]serotonin binding. <i>Brain Research</i> , 1987, 419, 216-222.	2.2	7
70	Introduction to the Special Issue Estradiol and Cognition: Molecules to Mind. <i>Hormones and Behavior</i> , 2015, 74, 1-3.	2.1	6
71	Metformin-mediated mitochondrial protection postcardiac arrest improves EEG activity and confers neuroprotection and survival benefit. <i>FASEB Journal</i> , 2022, 36, e22307.	0.5	6
72	An Integrative Review of Estradiol Effects on Dendritic Spines and Memory over the Lifespan. , 0, , .		4

#	ARTICLE	IF	CITATIONS
73	Androgens Enhance Recognition Memory and Dendritic Spine Density in the Hippocampus and Prefrontal Cortex of Ovariectomized Female Rats. <i>Neuroscience</i> , 2022, , .	2.3	4
74	A potential role for dendritic spines in bisphenol-A induced memory impairments during adolescence and adulthood. <i>Vitamins and Hormones</i> , 2020, 114, 307-329.	1.7	2
75	Rapid Golgi Stain for Dendritic Spine Visualization in Hippocampus and Prefrontal Cortex. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	2
76	Steroid and thyroid hormones and neural plasticity. <i>European Journal of Pharmacology</i> , 1990, 183, 124.	3.5	1
77	Response to "HMGB1 Mediates Cognitive Impairment in Sepsis Survivors". <i>Molecular Medicine</i> , 2012, 18, 1359-1359.	4.4	1
78	A Student-Centered, Active Learning Approach to Teaching Spinal Cord Anatomy. <i>FASEB Journal</i> , 2018, 32, lb510.	0.5	1
79	Study of lipid rich compositions in the intimal wall of aorta by Raman spectroscopy. , 2008, , .		0