Joseph Yanai

List of Publications by Year
in descending order

111 papers	2,481 citations	172457 29 h-index	254184 43 g-index
111 all docs	111 docs citations	111 times ranked	1208 citing authors

#	Article	IF	Citations
1	Acceleration of wound healing by topical application of honey. American Journal of Surgery, 1983, 145, 374-376.	1.8	195
2	Alterations in hippocampal cholinergic receptors and hippocampal behaviors after early exposure to nicotine. Brain Research Bulletin, 1992, 29, 363-368.	3.0	99
3	Neuronal deficits in mice following prenatal exposure to phenobarbital. Experimental Neurology, 1979, 64, 237-244.	4.1	79
4	The antinociceptive effect of fluvoxamine. European Neuropsychopharmacology, 1996, 6, 281-284.	0.7	68
5	Neurobehavioral damage to cholinergic systems caused by prenatal exposure to heroin or phenobarbital: cellular mechanisms and the reversal of deficits by neural grafts. Developmental Brain Research, 2000, 122, 125-133.	1.7	56
6	Long-lasting effects of early barbiturates on central nervous system and behavior. Neuroscience and Biobehavioral Reviews, 1983, 7, 19-28.	6.1	55
7	Cell Signaling as a Target and Underlying Mechanism for Neurobehavioral Teratogenesis. Annals of the New York Academy of Sciences, 2002, 965, 473-478.	3.8	54
8	Strain and sex differences in the rat brain. Cells Tissues Organs, 1979, 103, 150-158.	2.3	52
9	Assortative Mating in Mice and the Incest Taboo. Nature, 1972, 238, 281-282.	27.8	51
10	Hippocampal cholinergic alterations and related behavioral deficits after early exposure to phenobarbital. Brain Research Bulletin, 1992, 29, 1-6.	3.0	51
11	Alterations in septohippocampal cholinergic innervations and related behaviors after early exposure to heroin and phencyclidine. Developmental Brain Research, 1992, 69, 207-214.	1.7	47
12	Adrenal glucocorticoids as a required factor in the development of ethanol withdrawal seizures in mice. Brain Research, 1974, 80, 155-159.	2.2	46
13	Neuronal deficits after neonatal exposure to phenobarbital. Experimental Neurology, 1981, 73, 199-208.	4.1	44
14	Neural grafting reverses prenatal drug-induced alterations in hippocampal PKC and related behavioral deficits. Developmental Brain Research, 2000, 125, 9-19.	1.7	44
15	Neurobehavioral teratogenicity of perfluorinated alkyls in an avian model. Neurotoxicology and Teratology, 2010, 32, 182-186.	2.4	43
16	Pre- and postsynaptic alterations in the septohippocampal cholinergic innervations after prenatal exposure to drugs. Brain Research Bulletin, 1998, 46, 203-209.	3.0	42
17	Neuron transplantation reverses phenobarbital-induced behavioral birth defects in mice. International Journal of Developmental Neuroscience, 1988, 6, 409-416.	1.6	39
18	S-adenosyl methionine prevents ASD like behaviors triggered by early postnatal valproic acid exposure in very young mice. Neurotoxicology and Teratology, 2019, 71, 64-74.	2.4	39

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19	Effects of early ethanol input on the activities of ethanol-metabolizing enzymes in mice. Biochemical Pharmacology, 1976, 25, 215-217.	4.4	36
20	Long term reduction in eight arm maze performance after early exposure to phenobarbital. International Journal of Developmental Neuroscience, 1985, 3, 223-227.	1.6	36
21	Functional changes after prenatal opiate exposure related to opiate receptors' regulated alterations in cholinergic innervation. International Journal of Neuropsychopharmacology, 2003, 6, 253-265.	2.1	36
22	Long term reduction of male agonistic behavior in mice following early exposure to ethanol. Psychopharmacology, 1977, 52, 31-34.	3.1	33
23	Developmental neurotoxic effects of chlorpyrifos on acetylcholine and serotonin pathways in an avian model. Neurotoxicology and Teratology, 2008, 30, 433-439.	2.4	33
24	Convergent Effects on Cell Signaling Mechanisms Mediate the Actions of Different Neurobehavioral Teratogens: Alterations in Cholinergic Regulation of Protein Kinase C in Chick and Avian Models. Annals of the New York Academy of Sciences, 2004, 1025, 595-601.	3.8	32
25	Cholinergic synaptic signaling mechanisms underlying behavioral teratogenicity: Effects of nicotine, chlorpyrifos, and heroin converge on protein kinase C translocation in the intermedial part of the hyperstriatum ventrale and on imprinting behavior in an avian model. Journal of Neuroscience Research, 2004, 78, 499-507.	2.9	32
26	Early phenobarbital-induced alterations in hippocampal acetylcholinesterase activity and behavior. Developmental Brain Research, 1985, 22, 113-123.	1.7	31
27	Brain opioid receptor adaptation and expression after prenatal exposure to buprenorphine. Developmental Brain Research, 1998, 111, 35-42.	1.7	31
28	Exposure of Developing Chicks to Perfluorooctanoic Acid Induces Defects in Prehatch and Early Posthatch Development. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2008, 71, 131-133.	2.3	30
29	Embryonic cultures but not embryos transplanted to the mouse's brain grow rapidly without immunosuppression. International Journal of Neuroscience, 1995, 81, 21-26.	1.6	29
30	Nicotine Therapy in Adulthood Reverses the Synaptic and Behavioral Deficits Elicited by Prenatal Exposure to Phenobarbital. Neuropsychopharmacology, 2005, 30, 156-165.	5.4	29
31	Increased sensitivity to chronic ethanol in isolated mice. Psychopharmacology, 1976, 46, 185-189.	3.1	28
32	Alterations in PKCÎ³ in the mouse hippocampus after prenatal exposure to heroin: a link from cell signaling to behavioral outcome. Developmental Brain Research, 2003, 140, 117-125.	1.7	28
33	Audiogenic Seizures and Neuronal Deficits following Early Exposure to Barbiturate. Developmental Neuroscience, 1981, 4, 345-350.	2.0	27
34	Assortative mating in mice. I. Female mating preference. Behavior Genetics, 1972, 2, 173-183.	2.1	26
35	The teratogenicity and behavioral teratogenicity of di(2-ethylhexyl) phthalate (DEHP) and di-butyl Phthalate (DBP) in a chick model. Neurotoxicology and Teratology, 2012, 34, 56-62.	2.4	26
36	Assortative mating in mice. II. Strain differences in female mating preference, male preference, and the question of possible sexual selection. Behavior Genetics, 1973, 3, 65-74.	2.1	25

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37	Substance abuse studies and prevention efforts among Arabs in the 1990s in Israel, Jordan and the Palestinian Authority-a literature review. Addiction, 1999, 94, 177-198.	3.3	25
38	Effects of Aminergic Drugs and Glutamic Acid on Audiogenic Seizures Induced by Early Exposure to Ethanol. Epilepsia, 1975, 16, 67-71.	5.1	24
39	Delayed maturation of the male cerebral cortex in rats. Cells Tissues Organs, 1979, 104, 335-339.	2.3	24
40	Neuronal deficits in mice following phenobarbital exposure during various periods in fetal development. Cells Tissues Organs, 1980, 108, 370-373.	2.3	23
41	Comparison of the Effects of Barbiturate and Ethanol Given to Neonates on the Cerebellar Morphology. Cells Tissues Organs, 1985, 123, 145-147.	2.3	23
42	Inositol phosphate formation in mice prenatally exposed to drugs: Relation to muscarinic receptors and postreceptor effects. Brain Research Bulletin, 1996, 40, 183-186.	3.0	22
43	Prenatal heroin exposure alters cholinergic receptor stimulated activation of the PKCÎ²II and PKCÎ³ isoforms. Brain Research Bulletin, 2004, 63, 339-349.	3.0	22
44	Long-term reduction in spontaneous alternations after early exposure to phenobarbital. International Journal of Developmental Neuroscience, 1984, 2, 223-228.	1.6	21
45	Dopaminergic denervation reverses behavioral deficits induced by prenatal exposure to phenobarbital. Developmental Brain Research, 1989, 48, 255-261.	1.7	21
46	Hippocampal cholinergic alterations and related behavioral deficits after early exposure to ethanol. International Journal of Developmental Neuroscience, 1993, 11, 379-385.	1.6	20
47	Gender Related Changes in Gene Expression Induced by Valproic Acid in A Mouse Model of Autism and the Correction by S-adenosyl Methionine. Does It Explain the Gender Differences in Autistic Like Behavior?. International Journal of Molecular Sciences, 2019, 20, 5278.	4.1	20
48	Increased tolerance in mice following prenatal exposure to barbiturate. Psychopharmacology, 1979, 64, 325-327.	3.1	19
49	Eight-arm maze performance, neophobia, and hippocampal cholinergic alterations after prenatal oxazepam in mice. Brain Research Bulletin, 1992, 29, 609-616.	3.0	18
50	Reversal of early phenobarbital-induced cholinergic and related behavioral deficits by neuronal grafting. Brain Research Bulletin, 1994, 33, 273-279.	3.0	18
51	Altered localization of choline transporter sites in the mouse hippocampus after prenatal heroin exposure. Brain Research Bulletin, 2004, 63, 25-32.	3.0	18
52	Assortative mating in mice. III. Genetic determination of female mating preference. Behavior Genetics, 1973, 3, 75-84.	2.1	17
53	Long-term effects of early ethanol on predatory behavior in inbred mice. Physiological Psychology, 1976, 4, 409-411.	0.8	17
54	Cortexolone antagonizes development of alcohol tolerance in mice. Psychopharmacology, 1979, 64, 123-124.	3.1	17

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55	Reversal of chlorpyrifos neurobehavioral teratogenicity in mice by allographic transplantation of adult subventricular zoneâ€derived neural stem cells. Journal of Neuroscience Research, 2011, 89, 1185-1193.	2.9	17
56	Studies into the mechanisms of strain differences in hippocampus-related behaviors. Behavior Genetics, 1989, 19, 315-325.	2.1	16
57	Reversal of heroin neurobehavioral teratogenicity by grafting of neural progenitors. Journal of Neurochemistry, 2007, 104, 071115163504002-???.	3.9	16
58	Reversal of chlorpyrifos neurobehavioral teratogenicity in mice by nicotine administration and neural stem cell transplantation. Behavioural Brain Research, 2009, 205, 499-504.	2.2	16
59	Neuronal Losses in Mice following <i>both</i> Prenatal and Neonatal Exposure to Phenobarbital. Cells Tissues Organs, 1982, 114, 185-192.	2.3	14
60	Studies on noradrenergic alterations in relation to early phenobarbital-induced behavioral changes. International Journal of Developmental Neuroscience, 1987, 5, 337-344.	1.6	14
61	The Relationship between Neural Alterations and Behavioral Deficits after Prenatal Exposure to Heroin. Annals of the New York Academy of Sciences, 2000, 914, 402-411.	3.8	14
62	Mesenchymal Stem Cells Can Prevent Alterations in Behavior and Neurogenesis Induced by AÃŸ25â€"35 Administration. Journal of Molecular Neuroscience, 2015, 55, 1006-1013.	2.3	14
63	Altered sensitivity to ethanol following prenatal exposure to barbiturate. Psychopharmacology, 1980, 68, 301-303.	3.1	13
64	Heroin neuroteratogenicity: targeting adenylyl cyclase as an underlying biochemical mechanism. Developmental Brain Research, 2001, 132, 69-79.	1.7	13
65	An avian model for ascertaining the mechanisms of organophosphate neuroteratogenicity and its therapy with mesenchymal stem cell transplantation.. Neurotoxicology and Teratology, 2015, 50, 73-81.	2.4	13
66	The effect of drugs altering striatal dopamine levels on apomorphine induced stereotypy. Pharmacology Biochemistry and Behavior, 1982, 16, 235-240.	2.9	12
67	A chick model for the mechanisms of mustard gas neurobehavioral teratogenicity. Neurotoxicology and Teratology, 2005, 27, 65-71.	2.4	12
68	The effect of haloperidol feeding on dopamine receptor number in ten mouse strains. Clinical Genetics, 1981, 19, 353-356.	2.0	12
69	Correlated ultrastructural damage between cerebellum cells after early anticonvulsant treatment in mice. International Journal of Developmental Neuroscience, 1989, 7, 15-26.	1.6	11
70	An avian model for the reversal of 6-hydroxydopamine induced rotating behaviour by neural grafting. Neuroscience Letters, 1995, 187, 153-156.	2.1	11
71	Survival, differentiation, and reversal of heroin neurobehavioral teratogenicity in mice by transplanted neural stem cells derived from embryonic stem cells. Journal of Neuroscience Research, 2010, 88, 315-323.	2.9	11
72	Normal homing behavior in infant rats despite extensive olfactory bulb granule cell losses. Behavioral Biology, 1978, 24, 539-544.	2.2	10

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73	Isolation reduces midbrain tryptophan hydroxylase activity in mice. Psychopharmacology, 1983, 80, 284-285.	3.1	10
74	Studies on brain monoamine neurotransmitters in mice after prenatal exposure to barbiturate. Pharmacology Biochemistry and Behavior, 1985, 23, 215-219.	2.9	10
75	Neuromorphological changes in mouse olfactory bulb after neonatal exposure to phenobarbital. Neurotoxicology and Teratology, 1989, 11, 227-230.	2.4	10
76	Effect of prenatal and neonatal chronic exposure to phenobarbital on central and peripheral benzodiazepine receptors. Brain Research, 1990, 506, 115-119.	2.2	10
77	Disruption of the development of cholinergic-induced translocation/activation of PKC isoforms after prenatal heroin exposure. Brain Research Bulletin, 2006, 69, 174-181.	3.0	10
78	Suppressant Effects of Alcohol on Audiogenic Seizures. Epilepsia, 1975, 16, 491-496.	5.1	9
79	Transplacental Effects of Methylmercury Chloride in Mice with Specific Emphasis on the Audiogenic Seizure Response. Developmental Neuroscience, 1982, 5, 216-221.	2.0	9
80	Adrenal glucocorticoids as a required factor in barbitura-induced changes in functional tolerance and brainstem tryptophan hydroxylase. Brain Research, 1983, 269, 297-302.	2.2	9
81	Altered brain sensitivity to ethanol in mice after MPTP treatment. Alcohol, 1995, 12, 127-130.	1.7	9
82	The Role of Dopaminergic Mechanisms in Mediating the Central Behavioral Effects of Morphine in Rodents. Neuropsychobiology, 1984, 11, 98-105.	1.9	8
83	Alterations in mice dopamine receptor characteristics after early exposure to phenobarbital. Developmental Brain Research, 1986, 30, 57-65.	1.7	8
84	Neural grafting as a tool for the study and reversal of neurobehavioral birth defects. Pharmacology Biochemistry and Behavior, 1996, 55, 673-681.	2.9	8
85	Heroin neuroteratogenicity: delayed-onset deficits in catecholaminergic synaptic activity. Brain Research, 2003, 984, 189-197.	2.2	8
86	Mechanism-Based Approaches for the Reversal of Drug Neurobehavioral Teratogenicity. Annals of the New York Academy of Sciences, 2006, 1074, 659-671.	3.8	8
87	Neurobehavioral teratogenicity of sarin in an avian model. Neurotoxicology and Teratology, 2009, 31, 406-412.	2.4	8
88	Resistance to barbiturate is changed by developmental alteration of dopamine receptor sensitivity. International Journal of Developmental Neuroscience, 1984, 2, 61-64.	1.6	7
89	Is post exposure prevention of teratogenic damage possible: Studies on diabetes, valproic acid, alcohol and anti folates in pregnancy: Animal studies with reflection to human. Reproductive Toxicology, 2018, 80, 92-104.	2.9	7
90	Hippocampal Î³-aminobutyric acid and benzodiazepine receptors after early phenobarbital exposure. Developmental Brain Research, 1993, 74, 111-116.	1.7	6

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91	Directional consistency: Determinant of learned maze performance of five mice strains. Behavioural Processes, 1994, 32, 117-131.	1.1	6
92	A mechanism-based complementary screening approach for the amelioration and reversal of neurobehavioral teratogenicity. Neurotoxicology and Teratology, 2010, 32, 109-113.	2.4	6
93	Paternal and/or maternal preconception-induced neurobehavioral teratogenicity in animal and human models. Brain Research Bulletin, 2021, 174, 103-121.	3.0	6
94	Genetic Factors Influencing Neurosensitivity to Early Phenobarbital Administration in Mice. Cells Tissues Organs, 1983, 115, 40-46.	2.3	5
95	Drug Abuse Primary Prevention Research and Programs Among Jewish Youth in Israel: a review. Drugs: Education, Prevention and Policy, 1994, 1, 49-58.	1.3	5
96	An avian model for the reversal of neurobehavioral teratogenicity with neural stem cells. Neurotoxicology and Teratology, 2010, 32, 481-488.	2.4	5
97	Reversal of neurobehavioral teratogenicity in animal models and human: Three decades of progress. Brain Research Bulletin, 2019, 150, 328-342.	3.0	5
98	Morphological Alterations in the Medial Preoptic Area After Prenatal Administration of Phenobarbital. Cells Tissues Organs, 1982, 114, 347-354.	2.3	4
99	Accelerated Acquisition of Ethanol Tolerance in Isolated Mice. Neuropsychobiology, 1982, 8, 135-139.	1.9	4
100	Barbiturate Narcosis and Estrogen Levels in Women. Gynecologic and Obstetric Investigation, 1987, 23, 167-171.	1.6	4
101	Implementation of a six-around-one optical probe based on diffuse light spectroscopy for study of cerebral properties in a murine mouse model of autism spectrum disorder. Applied Optics, 2020, 59, 6809.	1.8	4
102	Adrenal Glucocorticoids as a Required Factor in the Development of Ethanol Tolerance in Mice. Neuropsychobiology, 1983, 9, 207-210.	1.9	3
103	Normal zinc and iron concentrations in mice after early exposure to phenobarbital. International Journal of Developmental Neuroscience, 1987, 5, 391-398.	1.6	3
104	Reversal of prenatal heroin-induced alterations in hippocampal gene expression via transplantation of mesenchymal stem cells during adulthood. Neurotoxicology and Teratology, 2022, 90, 107063.	2.4	3
105	Effect of Naloxone on Dopamine Uptake and Release in vitro in the Striatum. Neuropsychobiology, 1984, 11, 94-97.	1.9	2
106	GTPase activity in mouse hippocampus membranes following prenatal exposure to heroin and phenobarbital. Biochemical Pharmacology, 1995, 50, 127-130.	4.4	1
107	Neuron transplantation into mice hippocampus alters sensitivity to barbital narcosis. Brain Research Bulletin, 1995, 38, 93-98.	3.0	1
108	Prenatal exposure to phenobarbital decreases brain sensitivity to ethanol. Drug and Alcohol Dependence, 1980, 6, 49-50.	3.2	0

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109	Studies on serotonergic and catecholaminergic systems in mice after prenatal exposure to phenobarbital. International Journal of Developmental Neuroscience, 1985, 3, 477-477.	1.6	0
110	A method of reducing the opioid withdrawal intensity using progressively increasing doses of naloxone. Journal of Pharmacological and Toxicological Methods, 1999, 42, 115-119.	0.7	0
111	Prenatal heroin exposure alters cholinergic receptor stimulated activation of the PKC$beta;II and PKC$gamma; isoforms. Brain Research Bulletin, 2004, 63, 339-339.	3.0	0