

# Gemma Calamandrei

## List of Publications by Year in descending order

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86  
papers

3,413  
citations

156536

32  
h-index

182931

54  
g-index

86  
all docs

86  
docs citations

86  
times ranked

4734  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prenatal exposure to neurotoxic metals and micronutrients and neurodevelopmental outcomes in early school age children from Poland. <i>Environmental Research</i> , 2022, 204, 112049.	3.7	21
2	Who is likely to vacillate in their COVID-19 vaccination decision? Free-riding intention and post-positive reluctance. <i>Preventive Medicine</i> , 2022, 154, 106885.	1.6	25
3	Critical Role of Maternal Selenium Nutrition in Neurodevelopment: Effects on Offspring Behavior and Neuroinflammatory Profile. <i>Nutrients</i> , 2022, 14, 1850.	1.7	12
4	Low-level lead exposure during development differentially affects neurobehavioral responses in male and female mouse offspring: A longitudinal study. <i>NeuroToxicology</i> , 2022, 91, 188-199.	1.4	7
5	Determinants of the Essential Elements and Vitamins Intake and Status during Pregnancy: A Descriptive Study in Polish Mother and Child Cohort. <i>Nutrients</i> , 2021, 13, 949.	1.7	9
6	Altered responsiveness to pups in virgin female mice of the BTBR strain: Insights from pattern of c-Fos expression in brain regions involved in maternal behavior. <i>Behavioural Brain Research</i> , 2021, 410, 113365.	1.2	3
7	Pregnancy exposome and child psychomotor development in three European birth cohorts. <i>Environmental Research</i> , 2020, 181, 108856.	3.7	18
8	Urinary metabolites of organophosphate and pyrethroid pesticides in children from an Italian cohort (PHIME, Trieste). <i>Environmental Research</i> , 2019, 176, 108508.	3.7	24
9	Sociodemographic, Lifestyle, Environmental and Pregnancy-Related Determinants of Dietary Patterns during Pregnancy. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 754.	1.2	35
10	Early Behavioral Alterations and Increased Expression of Endogenous Retroviruses Are Inherited Across Generations in Mice Prenatally Exposed to Valproic Acid. <i>Molecular Neurobiology</i> , 2019, 56, 3736-3750.	1.9	27
11	Prenatal valproate in rodents as a tool to understand the neural underpinnings of social dysfunctions in autism spectrum disorder. <i>Neuropharmacology</i> , 2019, 159, 107477.	2.0	68
12	Sex-Dependent Impact of Low-Level Lead Exposure during Prenatal Period on Child Psychomotor Functions. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2263.	1.2	36
13	Regenerative medicine in Huntington's disease: Strengths and weaknesses of preclinical studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 77, 32-47.	2.9	10
14	Maternal stress during pregnancy and neurodevelopmental outcomes of children during the first 2 years of life. <i>Journal of Paediatrics and Child Health</i> , 2017, 53, 263-270.	0.4	43
15	Human biomonitoring data analysis for metals in an Italian adolescents cohort: An exposome approach. <i>Environmental Research</i> , 2017, 159, 344-354.	3.7	32
16	Micronutrients during pregnancy and child psychomotor development: Opposite effects of Zinc and Selenium. <i>Environmental Research</i> , 2017, 158, 583-589.	3.7	38
17	Environmental Tobacco Smoke Exposure during Pregnancy and Child Neurodevelopment. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 796.	1.2	45
18	Reduced miR-659-3p Levels Correlate with Progranulin Increase in Hypoxic Conditions: Implications for Frontotemporal Dementia. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 31.	1.4	25

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19	Aberrant self-grooming as early marker of motor dysfunction in a rat model of Huntington's disease. <i>Behavioural Brain Research</i> , 2016, 313, 53-57.	1.2	15
20	Selenium status during pregnancy and child psychomotor developmentâ€”Polish Mother and Child Cohort study. <i>Pediatric Research</i> , 2016, 79, 863-869.	1.1	52
21	Effects of maternal chlorpyrifos diet on social investigation and brain neuroendocrine markers in the offspring â€” a mouse study. <i>Environmental Health</i> , 2015, 14, 32.	1.7	44
22	Multifactorial Origin of Neurodevelopmental Disorders: Approaches to Understanding Complex Etiologies. <i>Toxics</i> , 2015, 3, 89-129.	1.6	65
23	Early-Life Toxic Insults and Onset of Sporadic Neurodegenerative Diseasesâ€”an Overview of Experimental Studies. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 29, 231-264.	0.8	39
24	Prenatal Exposure to a Common Organophosphate Insecticide Delays Motor Development in a Mouse Model of Idiopathic Autism. <i>PLoS ONE</i> , 2015, 10, e0121663.	1.1	48
25	Sex-dimorphic effects of gestational exposure to the organophosphate insecticide chlorpyrifos on social investigation in mice. <i>Neurotoxicology and Teratology</i> , 2014, 46, 32-39.	1.2	27
26	Prolonged lifespan with enhanced exploratory behavior in mice overexpressing the oxidized nucleoside triphosphatase hMTH1. <i>Aging Cell</i> , 2013, 12, 695-705.	3.0	35
27	Transplacental Exposure to AZT Induces Adverse Neurochemical and Behavioral Effects in a Mouse Model: Protection by L-Acetylcarnitine. <i>PLoS ONE</i> , 2013, 8, e55753.	1.1	12
28	Sex dimorphic behaviors as markers of neuroendocrine disruption by environmental chemicals: The case of chlorpyrifos. <i>NeuroToxicology</i> , 2012, 33, 1420-1426.	1.4	56
29	Endocrine Disrupters: A Review of Some Sources, Effects, and Mechanisms of Actions on Behaviour and Neuroendocrine Systems. <i>Journal of Neuroendocrinology</i> , 2012, 24, 144-159.	1.2	327
30	Complex behavioral and synaptic effects of dietary branched chain amino acids in a mouse model of amyotrophic lateral sclerosis. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 541-552.	1.5	7
31	Foetal and neonatal exposure to chlorpyrifos: Biochemical and metabolic alterations in the mouse liver at different developmental stages. <i>Toxicology</i> , 2011, 280, 98-108.	2.0	22
32	Does Age Matter? Behavioral and Neuro-anatomical Effects of Neonatal and Adult Basal Forebrain Cholinergic Lesions. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 207-227.	1.2	13
33	Gestational exposure to the organophosphate chlorpyrifos alters socialâ€”emotional behaviour and impairs responsiveness to the serotonin transporter inhibitor fluvoxamine in mice. <i>Psychopharmacology</i> , 2010, 208, 99-107.	1.5	52
34	Early behavioural markers of disease in P301S tau transgenic mice. <i>Behavioural Brain Research</i> , 2010, 208, 250-257.	1.2	76
35	The application of Russell and Burch 3R principle in rodent models of neurodegenerative disease: The case of Parkinsonâ€™s disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2009, 33, 18-32.	2.9	42
36	Effects of the food contaminant semicarbazide following oral administration in juvenile Spragueâ€”Dawley rats. <i>Food and Chemical Toxicology</i> , 2009, 47, 472-479.	1.8	50

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37	Early social enrichment affects responsiveness to different social cues in female mice. <i>Behavioural Brain Research</i> , 2009, 196, 304-309.	1.2	21
38	Developmental Exposure to Chlorpyrifos Induces Alterations in Thyroid and Thyroid Hormone Levels Without Other Toxicity Signs in Cd1 Mice. <i>Toxicological Sciences</i> , 2009, 108, 311-319.	1.4	108
39	Long-Term Effects on Hypothalamic Neuropeptides after Developmental Exposure to Chlorpyrifos in Mice. <i>Environmental Health Perspectives</i> , 2009, 117, 112-116.	2.8	54
40	A Retrospective Performance Assessment of the Developmental Neurotoxicity Study in Support of OECD Test Guideline 426. <i>Environmental Health Perspectives</i> , 2009, 117, 17-25.	2.8	147
41	Neonatal exposure to chlorpyrifos affects maternal responses and maternal aggression of female mice in adulthood. <i>Neurotoxicology and Teratology</i> , 2008, 30, 468-474.	1.2	53
42	B-vitamin deprivation induces hyperhomocysteinemia and brain S-adenosylhomocysteine, depletes brain S-adenosylmethionine, and enhances PS1 and BACE expression and amyloid- $\beta$ deposition in mice. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 731-746.	1.0	183
43	Adenosine A2A receptor blockade before striatal excitotoxic lesions prevents long term behavioural disturbances in the quinolinic rat model of Huntington's disease. <i>Behavioural Brain Research</i> , 2007, 176, 216-221.	1.2	27
44	Neonatal basal forebrain cholinergic hypofunction affects ultrasonic vocalizations and fear conditioning responses in preweaning rats. <i>Behavioural Brain Research</i> , 2007, 183, 111-117.	1.2	23
45	Opposite effects of the A2A receptor agonist CGS21680 in the striatum of Huntington's disease versus wild-type mice. <i>Neuroscience Letters</i> , 2007, 417, 78-83.	1.0	39
46	Workgroup Report: Incorporating In Vitro Alternative Methods for Developmental Neurotoxicity into International Hazard and Risk Assessment Strategies. <i>Environmental Health Perspectives</i> , 2007, 115, 924-931.	2.8	145
47	Behavioral and electrophysiological effects of the adenosine A2A receptor antagonist SCH 58261 in R6/2 Huntington's disease mice. <i>Neurobiology of Disease</i> , 2007, 28, 197-205.	2.1	67
48	C-section birth per se or followed by acute global asphyxia altered emotional behaviour in neonate and adult rats. <i>Behavioural Brain Research</i> , 2006, 168, 56-63.	1.2	32
49	The cannabinoid receptor agonist WIN 55,212-2 attenuates the effects induced by quinolinic acid in the rat striatum. <i>Neuropharmacology</i> , 2006, 51, 1004-1012.	2.0	69
50	Efficient testing strategies for evaluation of xenobiotics with neuroendocrine activity. <i>Reproductive Toxicology</i> , 2006, 22, 164-174.	1.3	20
51	A social recognition test for female mice reveals behavioral effects of developmental chlorpyrifos exposure. <i>Neurotoxicology and Teratology</i> , 2006, 28, 466-471.	1.2	50
52	Developmental Neurotoxicity of Organophosphorous Pesticides: Fetal and Neonatal Exposure to Chlorpyrifos Alters Sex-Specific Behaviors at Adulthood in Mice. <i>Toxicological Sciences</i> , 2006, 93, 105-113.	1.4	158
53	Neurobehavioral effects of prenatal exposure to AZT: a preliminary investigation with the D1 receptor agonist SKF 38393 in mice. <i>Neurotoxicology and Teratology</i> , 2005, 27, 169-173.	1.2	10
54	Basal forebrain cholinergic lesions in 7-day-old rats alter ultrasound vocalisations and homing behaviour. <i>Behavioural Brain Research</i> , 2005, 161, 169-172.	1.2	19

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55	Increased Brain Levels of F2-Isoprostane Are an Early Marker of Behavioral Sequels in a Rat Model of Global Perinatal Asphyxia. <i>Pediatric Research</i> , 2004, 55, 85-92.	1.1	29
56	Progressive behavioural changes in the spatial open-field in the quinolinic acid rat model of Huntington's disease. <i>Behavioural Brain Research</i> , 2004, 152, 375-383.	1.2	29
57	Acute global anoxia during C-section birth affects dopamine-mediated behavioural responses and reactivity to stress. <i>Behavioural Brain Research</i> , 2004, 154, 155-164.	1.2	28
58	Developmental exposure to chlorpyrifos alters reactivity to environmental and social cues in adolescent mice. <i>Toxicology and Applied Pharmacology</i> , 2003, 191, 189-201.	1.3	90
59	NGF induces appearance of adult-like response to spatial novelty in 18-day male mice. <i>Behavioural Brain Research</i> , 2002, 136, 289-298.	1.2	11
60	Animal models of anti-HIV drugs exposure during pregnancy. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2002, 26, 747-761.	2.5	10
61	Developmental exposure to the antiretroviral drug zidovudine increases brain levels of brain-derived neurotrophic factor in mice. <i>Neuroscience Letters</i> , 2002, 333, 111-114.	1.0	12
62	Long-term effects of developmental exposure to zidovudine on exploratory behavior and novelty discrimination in CD-1 mice. <i>Neurotoxicology and Teratology</i> , 2002, 24, 529-540.	1.2	10
63	Delayed Developmental Effects Following Prenatal Exposure to Drugs. <i>Current Pharmaceutical Design</i> , 2001, 7, 859-880.	0.9	27
64	Prenatal exposure to anti-HIV drugs. <i>Neurotoxicology and Teratology</i> , 2000, 22, 369-379.	1.2	12
65	Effects of prenatal AZT+3TC treatment on open field behavior and responsiveness to scopolamine in adult mice. <i>Pharmacology Biochemistry and Behavior</i> , 2000, 67, 511-517.	1.3	8
66	Prolonged perinatal exposure to AZT affects aggressive behaviour of adult CD-1 mice. <i>Psychopharmacology</i> , 2000, 150, 404-411.	1.5	16
67	Serum NGF levels in children and adolescents with either Williams syndrome or Down syndrome. <i>Developmental Medicine and Child Neurology</i> , 2000, 42, 746-750.	1.1	13
68	Long-term effects of prenatal 3'-azido-3'-deoxythymidine (AZT) exposure on intermale aggressive behaviour of mice. <i>Psychopharmacology</i> , 1999, 145, 317-323.	1.5	12
69	Effects of Prenatal AZT on Mouse Neurobehavioral Development and Passive Avoidance Learning. <i>Neurotoxicology and Teratology</i> , 1999, 21, 29-40.	1.2	33
70	Neurobehavioral Effects of Prenatal Lamivudine (3TC) Exposure in Prewaning Mice. <i>Neurotoxicology and Teratology</i> , 1999, 21, 365-373.	1.2	15
71	Neonatal 192 IgG-saporin lesions of basal forebrain cholinergic neurons selectively impair response to spatial novelty in adult rats. <i>Behavioral Neuroscience</i> , 1999, 113, 1204-15.	0.6	21
72	Scopolamine impairs memory recall in <i>Octopus vulgaris</i> . <i>Neuroscience Letters</i> , 1998, 253, 87-90.	1.0	23

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73	Sexually dimorphic effects of anti-NGF treatment in neonatal rats. <i>Developmental Brain Research</i> , 1997, 101, 273-276.	2.1	16
74	Neonatal Cocaine Alters Behavioural Responsiveness to Scopolamine and Cholinergic Development in Mice. <i>Pharmacology Biochemistry and Behavior</i> , 1997, 56, 557-563.	1.3	10
75	Systemic administration of anti-NGF antibodies to neonatal mice impairs 24-h retention of an inhibitory avoidance task while increasing ChAT immunoreactivity in the medial septum. <i>Behavioural Brain Research</i> , 1996, 78, 81-91.	1.2	23
76	Nerve growth factor affects passive avoidance learning and retention in developing mice. <i>Brain Research Bulletin</i> , 1996, 39, 219-226.	1.4	19
77	Neonatal exposure to anti-nerve growth factor antibodies affects exploratory behavior of developing mice in the hole board. <i>Neurotoxicology and Teratology</i> , 1996, 18, 141-146.	1.2	9
78	Neuronal growth factors, neurotrophins and memory deficiency. <i>Behavioural Brain Research</i> , 1995, 66, 129-132.	1.2	38
79	IGF-I and IGF-II affect somatic and neurobehavioral development of newborn male mice. <i>Brain Research Bulletin</i> , 1994, 35, 367-371.	1.4	16
80	Differential expression of Fos protein in the brain of female mice dependent on pup sensory cues and maternal experience. <i>Behavioral Neuroscience</i> , 1994, 108, 113-20.	0.6	34
81	Neonatal exposure to bFGF exerts NGF-like effects on mouse behavioral development. <i>Neurotoxicology and Teratology</i> , 1993, 15, 131-137.	1.2	17
82	Olfactory recognition of infants in laboratory mice: Role of noradrenergic mechanisms. <i>Physiology and Behavior</i> , 1992, 52, 901-907.	1.0	31
83	NGF and cholinergic control of behavior: anticipation and enhancement of scopolamine effects in neonatal mice. <i>Developmental Brain Research</i> , 1991, 61, 237-241.	2.1	27
84	Epidermal growth factor has both growth-promoting and growth-inhibiting effects on physical and neurobehavioral development of neonatal mice. <i>Brain Research</i> , 1989, 477, 1-6.	1.1	39
85	Nerve growth factor influences neurobehavioral development of newborn mice. <i>Neurotoxicology and Teratology</i> , 1987, 9, 271-275.	1.2	21
86	Odor-aversion learning and retention span in neonatal mouse pups. <i>Behavioral and Neural Biology</i> , 1986, 46, 348-357.	2.3	29