Maria Teresa Colomina

List of Publications by Year
in descending order

85 papers	2,620 citations	159358 30 h-index	223531 46 g-index
89 all docs	89 docs citations	89 times ranked	2991 citing authors

#	Article	IF	Citations
1	The adverse events of ibogaine in humans: an updated systematic review of the literature (2015â€“2020). Psychopharmacology, 2022, 239, 1977-1987.	1.5	18
2	Influence of Gestational Chlorpyrifos Exposure on ASD-like Behaviors in an fmr1-KO Rat Model. Molecular Neurobiology, 2022, 59, 5835-5855.	1.9	4
3	Paraoxonase-1 and -3 Protein Expression in the Brain of the Tg2576 Mouse Model of Alzheimerâ€™s Disease. Antioxidants, 2021, 10, 339.	2.2	14
4	Relationship between Autism Spectrum Disorder and Pesticides: A Systematic Review of Human and Preclinical Models. International Journal of Environmental Research and Public Health, 2021, 18, 5190.	1.2	22
5	Relationship between Prenatal or Postnatal Exposure to Pesticides and Obesity: A Systematic Review. International Journal of Environmental Research and Public Health, 2021, 18, 7170.	1.2	19
6	Pesticides and aging: Preweaning exposure to Chlorpyrifos induces a general hypomotricity state in late-adult rats. NeuroToxicology, 2021, 86, 69-77.	1.4	1
7	Sex and Exposure to Postnatal Chlorpyrifos Influence the Epigenetics of Feeding-Related Genes in a Transgenic APOE Mouse Model: Long-Term Implications on Body Weight after a High-Fat Diet. International Journal of Environmental Research and Public Health, 2021, 18, 184.	1.2	7
8	Long-term effects of low doses of Chlorpyrifos exposure at the preweaning developmental stage: A locomotor, pharmacological, brain gene expression and gut microbiome analysis. Food and Chemical Toxicology, 2020, 135, 110865.	1.8	35
9	APOE genotype and postnatal chlorpyrifos exposure modulate gut microbiota and cerebral short-chain fatty acids in preweaning mice. Food and Chemical Toxicology, 2020, 135, 110872.	1.8	25
10	Similarities between the Effects of Prenatal Chlorpyrifos and Valproic Acid on Ultrasonic Vocalization in Infant Wistar Rats. International Journal of Environmental Research and Public Health, 2020, 17, 6376.	1.2	12
11	Postnatal exposure to low doses of Chlorpyrifos induces long-term effects on 5C-SRTT learning and performance, cholinergic and GABAergic systems and BDNF expression. Experimental Neurology, 2020, 330, 113356.	2.0	13
12	Obesogenic effects of chlorpyrifos and its metabolites during the differentiation of 3T3-L1 preadipocytes. Food and Chemical Toxicology, 2020, 137, 111171.	1.8	24
13	Improvement of APOE4-dependent non-cognitive behavioural traits by postnatal cholinergic stimulation in female mice. Behavioural Brain Research, 2020, 384, 112552.	1.2	2
14	Medium and long-term effects of low doses of Chlorpyrifos during the postnatal, preweaning developmental stage on sociability, dominance, gut microbiota and plasma metabolites. Environmental Research, 2020, 184, 109341.	3.7	33
15	APOE genetic background and sex confer different vulnerabilities to postnatal chlorpyrifos exposure and modulate the response to cholinergic drugs. Behavioural Brain Research, 2019, 376, 112195.	1.2	4
16	Exposure to chlorpyrifos at different ages triggers APOE genotype-specific responses in social behavior, body weight and hypothalamic gene expression. Environmental Research, 2019, 178, 108684.	3.7	9
17	Long lasting behavioural effects on cuprizone fed mice after neurotoxicant withdrawal. Behavioural Brain Research, 2019, 363, 38-44.	1.2	5
18	Learning, memory and the expression of cholinergic components in mice are modulated by the pesticide chlorpyrifos depending upon age at exposure and apolipoprotein E (APOE) genotype. Archives of Toxicology, 2019, 93, 693-707.	1.9	20

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19	New mechanistic insights on the metabolic-disruptor role of chlorpyrifos in apoE mice: a focus on insulin- and leptin-signalling pathways. Archives of Toxicology, 2018, 92, 1717-1728.	1.9	13
20	Postnatal chlorpyrifos exposure and apolipoprotein E (APOE) genotype differentially affect cholinergic expression and developmental parameters in transgenic mice. Food and Chemical Toxicology, 2018, 118, 42-52.	1.8	20
21	Postnatal exposure to chlorpyrifos produces long-term effects on spatial memory and the cholinergic system in mice in a sex- and APOE genotype-dependent manner. Food and Chemical Toxicology, 2018, 122, 1-10.	1.8	19
22	The Psychoexposome: A holistic perspective beyond health and disease. Psicothema, 2018, 30, 5-7.	0.7	5
23	Epigallocatechin gallate (EGCG) inhibits adhesion and migration of neural progenitor cells in vitro. Archives of Toxicology, 2017, 91, 827-837.	1.9	39
24	Aluminum and Alzheimerâ€™s Disease. Advances in Neurobiology, 2017, 18, 183-197.	1.3	90
25	Two cholinesterase inhibitors trigger dissimilar effects on behavior and body weight in C57BL/6 mice: The case of chlorpyrifos and rivastigmine. Behavioural Brain Research, 2017, 318, 1-11.	1.2	13
26	Behavioral Biomarkers of Schizophrenia in High Drinker Rats: A Potential Endophenotype of Compulsive Neuropsychiatric Disorders. Schizophrenia Bulletin, 2017, 43, 778-787.	2.3	27
27	Apolipoprotein E (APOE) genotype and the pesticide chlorpyrifos modulate attention, motivation and impulsivity in female mice in the 5-choice serial reaction time task. Food and Chemical Toxicology, 2016, 92, 224-235.	1.8	27
28	Chronic dietary chlorpyrifos causes long-term spatial memory impairment and thigmotaxic behavior. NeuroToxicology, 2016, 53, 85-92.	1.4	19
29	Attentional performance, impulsivity, and related neurotransmitter systems in apoE2, apoE3, and apoE4 female transgenic mice. Psychopharmacology, 2016, 233, 295-308.	1.5	18
30	Organophosphate pesticide exposure and neurodegeneration. Cortex, 2016, 74, 417-426.	1.1	175
31	Adulthood dietary exposure to a common pesticide leads to an obese-like phenotype and a diabetic profile in apoE3 mice. Environmental Research, 2015, 142, 169-176.	3.7	46
32	Chronic exposure to chlorpyrifos triggered body weight increase and memory impairment depending on human apoE polymorphisms in a targeted replacement mouse model. Physiology and Behavior, 2015, 144, 37-45.	1.0	32
33	Automatic counting and positioning of 5-bromo-2-deoxyuridine (BrdU) positive cells in cortical layers of rat brain slices. NeuroToxicology, 2014, 43, 127-133.	1.4	8
34	Assessing anxiety in C57BL/6J mice: A pharmacological characterization of the open-field and light/dark tests. Journal of Pharmacological and Toxicological Methods, 2014, 69, 108-114.	0.3	76
35	Impaired retention in AÎ²PP Swedish mice six months after oral exposure to chlorpyrifos. Food and Chemical Toxicology, 2014, 72, 289-294.	1.8	30
36	Neurodevelopmental effects of decabromodiphenyl ether (BDE-209) in APOE transgenic mice. Neurotoxicology and Teratology, 2014, 46, 10-17.	1.2	22

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37	Chronic exposure to aluminum and melatonin through the diet: Neurobehavioral effects in a transgenic mouse model of Alzheimer disease. Food and Chemical Toxicology, 2014, 69, 320-329.	1.8	36
38	Thyroid hormones and fear learning but not anxiety are affected in adult apoE transgenic mice exposed postnatally to decabromodiphenyl ether (BDE-209). Physiology and Behavior, 2014, 133, 81-91.	1.0	13
39	Long term effects of murine postnatal exposure to decabromodiphenyl ether (BDE-209) on learning and memory are dependent upon APOE polymorphism and age. Neurotoxicology and Teratology, 2013, 40, 17-27.	1.2	24
40	Assessing anxiety in C57BL/6J mice: A pharmacological characterization of the zero maze test. Journal of Pharmacological and Toxicological Methods, 2013, 68, 275-283.	0.3	13
41	Recognition Memory and Î²-amyloid Plaques in Adult Tg2576 Mice are not Modified After Oral Exposure to Aluminum. Alzheimer Disease and Associated Disorders, 2012, 26, 179-185.	0.6	13
42	Behavioral phenotype and BDNF differences related to apoE isoforms and sex in young transgenic mice. Experimental Neurology, 2012, 237, 116-125.	2.0	31
43	Behavioral effects of oral subacute exposure to BDE-209 in young adult mice: A preliminary study. Food and Chemical Toxicology, 2012, 50, 707-712.	1.8	16
44	Individual housing and handling procedures modify anxiety levels of Tg2576 mice assessed in the zero maze test. Physiology and Behavior, 2012, 107, 187-191.	1.0	21
45	Cognitive and histological disturbances after chlorpyrifos exposure and chronic AÎ²(1â€“42) infusions in Wistar rats. NeuroToxicology, 2011, 32, 836-844.	1.4	25
46	Amyloid β Peptide Levels Increase in Brain of AβPP Swedish Mice after Exposure to Chlorpyrifos. Current Alzheimer Research, 2011, 8, 732-740.	0.7	44
47	Oral silicon supplementation: an effective therapy for preventing oral aluminum absorption and retention in mammals. Nutrition Reviews, 2011, 69, 41-51.	2.6	29
48	Combined effects of perfluorooctane sulfonate (PFOS) and maternal restraint stress on hypothalamus adrenal axis (HPA) function in the offspring of mice. Toxicology and Applied Pharmacology, 2010, 243, 13-18.	1.3	26
49	Impaired Spatial Learning and Unaltered Neurogenesis in a Transgenic Model of Alzheimers Disease After Oral Aluminum Exposure. Current Alzheimer Research, 2010, 7, 401-408.	0.7	40
50	Evaluation of the protective role of melatonin on the behavioral effects of aluminum in a mouse model of Alzheimer's disease. Toxicology, 2009, 265, 49-55.	2.0	38
51	Effects of oral aluminum exposure on behavior and neurogenesis in a transgenic mouse model of Alzheimer's disease. Experimental Neurology, 2008, 214, 293-300.	2.0	85
52	Concurrent Exposure to Perfluorooctane Sulfonate and Restraint Stress during Pregnancy in Mice: Effects on Postnatal Development and Behavior of the Offspring. Toxicological Sciences, 2007, 98, 589-598.	1.4	82
53	Behavioral deficits in the cuprizone-induced murine model of demyelination/remyelination. Toxicology Letters, 2007, 169, 205-213.	0.4	171
54	Influence of maternal restraint stress on the long-lasting effects induced by prenatal exposure to perfluorooctane sulfonate (PFOS) in mice. Toxicology Letters, 2007, 171, 162-170.	0.4	47

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55	Behavioral effects in adult mice exposed to perfluorooctane sulfonate (PFOS). Toxicology, 2007, 242, 123-129.	2.0	75
56	Interactions in developmental toxicology: Concurrent exposure to perfluorooctane sulfonate (PFOS) and stress in pregnant mice. Toxicology Letters, 2006, 164, 81-89.	0.4	55
57	Aluminum, restraint stress and aging: Behavioral effects in rats after 1 and 2 years of aluminum exposure. Toxicology, 2006, 218, 112-124.	2.0	38
58	Behavioral effects of adult rats concurrently exposed to high doses of oral manganese and restraint stress. Toxicology, 2005, 211, 59-69.	2.0	31
59	Metal Concentrations in Hair and Cognitive Assessment in an Adolescent Population. Biological Trace Element Research, 2005, 104, 215-222.	1.9	54
60	Concurrent exposure to aluminum and stress during pregnancy in rats: Effects on postnatal development and behavior of the offspring. Neurotoxicology and Teratology, 2005, 27, 565-574.	1.2	60
61	Influence of Maternal Stress on Metal-Induced Pre- and Postnatal Effects in Mammals: A Review. Biological Trace Element Research, 2004, 98, 193-208.	1.9	16
62	Interactions of Caffeine and Restraint Stress During Pregnancy in Mice. Experimental Biology and Medicine, 2002, 227, 779-785.	1.1	23
63	Influence of Age on Aluminum-Induced Neurobehavioral Effects and Morphological Changes in Rat Brain. NeuroToxicology, 2002, 23, 775-781.	1.4	61
64	Effects of prenatal exposure to manganese on postnatal development and behavior in mice:. Neurotoxicology and Teratology, 2002, 24, 219-225.	1.2	33
65	Interactions in developmental toxicology: Combined action of restraint stress, caffeine, and aspirin in pregnant mice. Teratology, 2001, 63, 144-151.	1.8	22
66	Behavioral Effects of Aluminum in Mice: Influence of Restraint Stress. Neuropsychobiology, 1999, 40, 142-149.	0.9	21
67	Prevention by sodium 4,5-dihydroxybenzene1,3-disulfonate (tiron) of vanadium-induced behavioral toxicity in rats. Biological Trace Element Research, 1999, 69, 249-259.	1.9	18
68	The Effect of Maternal Restraint on Developmental Toxicity of Aluminum in Mice. Neurotoxicology and Teratology, 1998, 20, 651-656.	1.2	36
69	Effects of Vanadium on Activity and Learning in Rats. Physiology and Behavior, 1998, 63, 345-350.	1.0	36
70	Influence of Maternal Stress on the Effects of Prenatal Exposure to Methylmercury and Arsenic on Postnatal Development and Behavior in Mice: A Preliminary Evaluation. Physiology and Behavior, 1997, 61, 455-459.	1.0	44
71	Influence of smoking and drinking habits on salivary cortisol levels. Personality and Individual Differences, 1997, 23, 593-599.	1.6	13
72	STRESSFUL EVENTS AND SALIVARY CORTISOL. Psychological Reports, 1997, 80, 305.	0.9	0

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73	Reproductive Toxicology of Aluminum in Male Mice. Toxicological Sciences, 1995, 25, 45-51.	1.4	6
74	Effects of maternal stress on methylmercury-induced developmental toxicity in mice. Physiology and Behavior, 1995, 58, 979-983.	1.0	35
75	Reproductive Toxicology of Aluminum in Male Mice. Fundamental and Applied Toxicology, 1995, 25, 45-51.	1.9	57
76	Evaluation of the protective activity of 2,3-dimercaptopropanol and sodium 2,3-dimercaptopropane-1-sulfonate on methylmercury-induced developmental toxicity in mice. Archives of Environmental Contamination and Toxicology, 1994, 26, 64-68.	2.1	15
77	Lack of Maternal and Developmental Toxicity in Mice Given High Doses of Aluminium Hydroxide and Ascorbic Acid During Gestation. Basic and Clinical Pharmacology and Toxicology, 1994, 74, 236-239.	0.0	25
78	Reproductive toxicity evaluation of vanadium in male mice. Toxicology, 1993, 80, 199-206.	2.0	53
79	Evaluation of the reproductive toxicity of gallium nitrate in mice. Food and Chemical Toxicology, 1993, 31, 847-851.	1.8	14
80	Evaluation of Potential Strontium Chelators in an Octanol-water System. Health Physics, 1993, 65, 541-544.	0.3	4
81	The Action of Chelating Agents in Experimental Uranium Intoxication in Mice: Variations with Structure and Time of Administration. Toxicological Sciences, 1992, 19, 350-357.	1.4	0
82	Influence of several antidotal treatments on the distribution and excretion of strontium. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1992, 27, 1103-1114.	0.1	1
83	The action of chelating agents in experimental uranium intoxication in mice: Variations with structure and time of administration. Fundamental and Applied Toxicology, 1992, 19, 350-357.	1.9	20
84	Evaluation of the effects of chelation therapy with time following strontium exposure to mice. Archives of Environmental Contamination and Toxicology, 1991, 21, 612-620.	2.1	3
85	Subchronic oral toxicity of zinc in rats. Bulletin of Environmental Contamination and Toxicology, 1988, 41, 36-43.	1.3	50