Teresa Coccini

List of Publications by Citations

97 papers	2,463 citations	25 h-index	46 g-index
122 ext. papers	2,702 ext. citations	4 avg, IF	4.73 L-index

#	Paper	IF	Citations
97	Neurotoxicity and molecular effects of methylmercury. *Brain Research Bulletin*, **2001**, 55, 197-203	3.9	272
96	Direct Analysis of Phenol, Catechol and Hydroquinone in Human Urine by Coupled-Column HPLC with Fluorimetric Detection. *Chromatographia*, **2005**, 62, 25-31	2.1	148
95	Low-level exposure to methylmercury modifies muscarinic cholinergic receptor binding characteristics in rat brain and lymphocytes: physiologic implications and new opportunities in biologic monitoring. *Environmental Health Perspectives*, **2000**, 108, 29-33	8.4	127
94	Effects of water-soluble functionalized multi-walled carbon nanotubes examined by different cytotoxicity methods in human astrocyte D384 and lung A549 cells. *Toxicology*, **2010**, 269, 41-53	4.4	106
93	No changes in lymphocyte muscarinic receptors and platelet monoamine oxidase-B examined as surrogate central nervous system biomarkers in a Faroese children cohort prenatally exposed to methylmercury and polychlorinated biphenyls. *Biomarkers*, **2009**, 14, 67-76	2.6	102
92	Human developmental neurotoxicity of methylmercury: impact of variables and risk modifiers. *Regulatory Toxicology and Pharmacology*, **2008**, 51, 201-14	3.4	100
91	Neurotoxic and molecular effects of methylmercury in humans. *Reviews on Environmental Health*, **2003**, 18, 19-31	3.8	95
90	Neurodevelopmental toxicity of methylmercury: Laboratory animal data and their contribution to human risk assessment. *Regulatory Toxicology and Pharmacology*, **2008**, 51, 215-29	3.4	91
89	Characterization of the 5-HT receptor potentiating neuromuscular cholinergic transmission in strips of human isolated detrusor muscle. *British Journal of Pharmacology*, **1994**, 113, 1-2	8.6	71
88	A Review of the Mycotoxin Enniatin B. *Frontiers in Public Health*, **2017**, 5, 304	6	62
87	Comparative cellular toxicity of titanium dioxide nanoparticles on human astrocyte and neuronal cells after acute and prolonged exposure. *NeuroToxicology*, **2015**, 48, 77-89	4.4	57
86	Effects of developmental co-exposure to methylmercury and 2,2Ţ4,4Ţ5,5Ŧhexachlorobiphenyl (PCB153) on cholinergic muscarinic receptors in rat brain. *NeuroToxicology*, **2006**, 27, 468-77	4.4	45
85	Brain monoaminergic neurotransmission parameters in weanling rats after perinatal exposure to methylmercury and 2,2Ţ4,4Ţ5,5Ŧhexachlorobiphenyl (PCB153). *Brain Research*, **2006**, 1112, 91-8	3.7	41
84	Organoids are promising tools for species-specific in vitro toxicological studies. *Journal of Applied Toxicology*, **2019**, 39, 1610-1622	4.1	37
83	Perinatal co-exposure to methylmercury and PCB153 or PCB126 in rats alters the cerebral cholinergic muscarinic receptors at weaning and puberty. *Toxicology*, **2007**, 238, 34-48	4.4	37
82	Cytotoxicity and proliferative capacity impairment induced on human brain cell cultures after short- and long-term exposure to magnetite nanoparticles. *Journal of Applied Toxicology*, **2017**, 37, 361-373	4.1	35
81	Blood MCP-1 levels are increased in chronic obstructive pulmonary disease patients with prevalent emphysema. *International Journal of COPD*, **2018**, 13, 1691-1700	3	33

80	Assessing effects of neurotoxic pollutants by biochemical markers. *Environmental Research*, **2001**, 85, 31-6	7.9	33
79	5-hydroxytryptamine4 receptor agonists facilitate cholinergic transmission in the circular muscle of guinea pig ileum: antagonism by tropisetron and DAU 6285. *Life Sciences*, **1992**, 50, PL173-8	6.8	32
78	Diagnostic accuracy of urinary amanitin in suspected mushroom poisoning: a pilot study. *Journal of Toxicology: Clinical Toxicology*, **2004**, 42, 901-12		30
77	Benzimidazolone derivatives: a new class of 5-hydroxytryptamine4 receptor agonists with prokinetic and acetylcholine releasing properties in the guinea pig ileum. *Journal of Pharmacology and Experimental Therapeutics*, **1992**, 261, 412-9	4.7	29
76	Interaction of sigma-compounds with receptor-stimulated phosphoinositide metabolism in the rat brain. *Journal of Neurochemistry*, **1990**, 55, 1741-8	6	28
75	MAM-2201 (analytically confirmed) intoxication after "Synthacaine" consumption. *Annals of Emergency Medicine*, **2014**, 64, 629-32	2.1	27
74	Pulmonary toxicity of instilled cadmium-doped silica nanoparticles during acute and subacute stages in rats. *Histology and Histopathology*, **2013**, 28, 195-209	1.4	27
73	Mechanisms of neurotoxicity: applications to human biomonitoring. *Toxicology Letters*, **1995**, 77, 63-72	4.4	26
72	Assessment of cellular responses after short- and long-term exposure to silver nanoparticles in human neuroblastoma (SH-SY5Y) and astrocytoma (D384) cells. *Scientific World Journal, The*, **2014**, 2014, 259765	2.2	25
71	Developmental exposure to methylmercury and 2,2Ţ4,4Ţ5,5Ţhexachlorobiphenyl (PCB153) affects cerebral dopamine D1-like and D2-like receptors of weanling and pubertal rats. *Archives of Toxicology*, **2011**, 85, 1281-94	5.8	25
70	Role of nitric oxide-dependent and -independent mechanisms in peristalsis and accommodation in the rabbit distal colon. *Journal of Pharmacology and Experimental Therapeutics*, **1994**, 270, 929-37	4.7	25
69	Human 3D Cultures as Models for Evaluating Magnetic Nanoparticle CNS Cytotoxicity after Short- and Repeated Long-Term Exposure. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	24
68	Safety evaluation of engineered nanomaterials for health risk assessment: an experimental tiered testing approach using pristine and functionalized carbon nanotubes. *ISRN Toxicology*, **2013**, 2013, 825427		24
67	3H-spiperone labels sigma receptors, not dopamine D2 receptors, in rat and human lymphocytes. *Immunopharmacology*, **1991**, 22, 93-105		24
66	Comparative pulmonary toxicity assessment of pristine and functionalized multi-walled carbon nanotubes intratracheally instilled in rats: morphohistochemical evaluations. *Histology and Histopathology*, **2011**, 26, 357-67	1.4	24
65	Sites of action of morphine on the ascending excitatory reflex in the guinea-pig small intestine. *Neuroscience Letters*, **1992**, 144, 195-8	3.3	23
64	Human Co-culture Model of Neurons and Astrocytes to Test Acute Cytotoxicity of Neurotoxic Compounds. *International Journal of Toxicology*, **2017**, 36, 463-477	2.4	20
63	Effect of sorbic acid administration on urinary trans,trans-muconic acid excretion in rats exposed to low levels of benzene. *Food and Chemical Toxicology*, **2002**, 40, 1799-806	4.7	19

62	Single step determination of PCB 126 and 153 in rat tissues by using solid phase microextraction/gas chromatography-mass spectrometry: Comparison with solid phase extraction and liquid/liquid extraction. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2009**, 877, 773-83	3.2	18
61	Styrene-induced alterations in the respiratory tract of rats treated by inhalation or intraperitoneally. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1997**, 52, 63-77	3.2	18
60	Cerebellum cholinergic muscarinic receptor (subtype-2 and -3) and cytoarchitecture after developmental exposure to methylmercury: an immunohistochemical study in rat. *Journal of Chemical Neuroanatomy*, **2008**, 35, 285-94	3.2	18
59	In vivo exposure to carbon monoxide causes delayed impairment of activation of soluble guanylate cyclase by nitric oxide in rat brain cortex and cerebellum. *Journal of Neurochemistry*, **2004**, 89, 1157-65	6	18
58	Platelet monoamine oxidase B activity as a state marker for alcoholism: trend over time during withdrawal and influence of smoking and gender. *Alcohol and Alcoholism*, **2002**, 37, 566-72	3.5	18
57	Investigation into vanadate-induced potentiation of smooth muscle contractility in the rabbit isolated ileum. *Life Sciences*, **1994**, 54, 237-44	6.8	18
56	Comparative in vitro and ex-vivo myelotoxicity of aflatoxins B1 and M1 on haematopoietic progenitors (BFU-E, CFU-E, and CFU-GM): species-related susceptibility. *Toxicology in Vitro*, **2010**, 24, 217-23	3.6	17
55	Two subtypes of enteric non-opioid sigma receptors in guinea-pig cholinergic motor neurons. *European Journal of Pharmacology*, **1991**, 198, 105-8	5.3	17
54	Neurotoxicity of European viperids in Italy: Pavia Poison Control Centre case series 2001-2011. *Clinical Toxicology*, **2014**, 52, 269-76	2.9	16
53	Reduced platelet monoamine oxidase type B activity and lymphocyte muscarinic receptor binding in unmedicated children with attention deficit hyperactivity disorder. *Biomarkers*, **2009**, 14, 513-22	2.6	16
52	Single Silver Nanoparticle Instillation Induced Early and Persisting Moderate Cortical Damage in Rat Kidneys. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	15
51	Gene Expression Changes in Rat Liver and Testes after Lung Instillation of a Low Dose of Silver Nanoparticles. *Journal of Nanomedicine & Nanotechnology*, **2014**, 05,	1.9	15
50	Gene expression profiling in rat kidney after intratracheal exposure to cadmium-doped nanoparticles. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	14
49	In vitro toxicity evaluation of engineered cadmium-coated silica nanoparticles on human pulmonary cells. *Journal of Toxicology*, **2013**, 2013, 931785	3.1	14
48	Biomarkers in environmental medicine: alterations of cell signalling as early indicators of neurotoxicity. *Functional Neurology*, **1994**, 9, 101-9	2.2	14
47	Pulmonary and hepatic effects after low dose exposure to nanosilver: Early and long-lasting histological and ultrastructural alterations in rat. *Toxicology Reports*, **2019**, 6, 1047-1060	4.8	13
46	Apoptosis induction and histological changes in rat kidney following Cd-doped silica nanoparticle exposure: evidence of persisting effects. *Toxicology Mechanisms and Methods*, **2013**, 23, 566-75	3.6	13
45	Short and long-term exposure of CNS cell lines to BPA-f a radiosensitizer for boron neutron capture therapy: safety dose evaluation by a battery of cytotoxicity tests. *NeuroToxicology*, **2013**, 35, 84-90	4.4	13

44	Lymphocyte muscarinic receptors and platelet monoamine oxidase-B as biomarkers of CNS function: effects of age and gender in healthy humans. *Environmental Toxicology and Pharmacology*, **2005**, 19, 715-20	5.8	13
43	Direct analysis of urinary trans,trans-muconic acid by coupled column liquid chromatography and spectrophotometric ultraviolet detection: method applicability to human urine. *Biomedical Applications*, **2001**, 758, 295-303		13
42	Exposure to hydrocarbons and renal disease: an experimental animal model. *Renal Failure*, **1999**, 21, 369-85	2.9	13
41	Improved coupled column liquid chromatographic method for high-speed direct analysis of urinary trans,trans-muconic acid, as a biomarker of exposure to benzene. *Biomedical Applications*, **2001**, 751, 331-9		12
40	Toxicity Evaluation of Iron Oxide (Fe_3O_4) Nanoparticles on Human Neuroblastoma-Derived SH-SY5Y Cell Line. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 203-11	1.3	11
39	Effects of ethanol administration on cerebral non-protein sulfhydryl content in rats exposed to styrene vapour. *Toxicology*, **1996**, 106, 115-22	4.4	11
38	Long-lasting oxidative pulmonary insult in rat after intratracheal instillation of silica nanoparticles doped with cadmium. *Toxicology*, **2012**, 302, 203-11	4.4	10
37	In vitro toxicity screening of magnetite nanoparticles by applying mesenchymal stem cells derived from human umbilical cord lining. *Journal of Applied Toxicology*, **2019**, 39, 1320-1336	4.1	9
36	One-month persistence of inflammation and alteration of fibrotic marker and cytoskeletal proteins in rat kidney after Cd-doped silica nanoparticle instillation. *Toxicology Letters*, **2015**, 232, 449-57	4.4	9
35	Methylmercury interaction with lymphocyte cholinergic muscarinic receptors in developing rats. *Environmental Research*, **2007**, 103, 229-37	7.9	9
34	Peripheral markers of neurochemical function among workers exposed to styrene. *Occupational and Environmental Medicine*, **1992**, 49, 560-5	2.1	9
33	evaluation of magnetite nanoparticles in human mesenchymal stem cells: comparison of different cytotoxicity assays. *Toxicology Mechanisms and Methods*, **2020**, 30, 48-59	3.6	8
32	Cytotoxic Effects of 3,4-Catechol-PV (One Major MDPV Metabolite) on Human Dopaminergic SH-SY5Y Cells. *Neurotoxicity Research*, **2019**, 35, 49-62	4.3	7
31	Effect of styrene on monoamine oxidase B activity in rat brain. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1999**, 56, 59-68	3.2	7
30	Urinary mercapturic acid diastereoisomers in rats subchronically exposed to styrene and ethanol. *Archives of Toxicology*, **1996**, 70, 736-41	5.8	7
29	Interaction of the neurotoxic pesticides ivermectin and lindane with the enteric GABAA receptor-ionophore complex in the guinea-pig. *European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section*, **1993**, 248, 1-6		7
28	Enhanced toxicity of silver nanoparticles in transgenic Caenorhabditis elegans expressing amyloidogenic proteins. *Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis*, **2015**, 22, 221-8	2.7	6
27	Blood-brain barrier (BBB) toxicity and permeability assessment after L-(4-Boronophenyl)alanine, a conventional B-containing drug for boron neutron capture therapy, using an in vitro BBB model. *Brain Research*, **2014**, 1583, 34-44	3.7	6

26	Application of Neurochemical Markers for Assessing Health Effects after Developmental Methylmercury and PCB Coexposure. *Journal of Toxicology*, **2012**, 2012, 216032	3.1	6
25	The influence of neuronal 5-hydroxytryptamine receptor antagonists on non-cholinergic ganglionic transmission in the guinea-pig enteric excitatory reflex. *British Journal of Pharmacology*, **1992**, 107, 5-7	8.6	6
24	Vigabatrin does not affect the intestinal absorption of phenytoin in rat duodeno-jejunal loops in situ. *Pharmacological Research*, **1992**, 26, 201-5	10.2	6
23	Human neuronal cell based assay: A new in vitro model for toxicity evaluation of ciguatoxin. *Environmental Toxicology and Pharmacology*, **2017**, 52, 200-213	5.8	5
22	Lymphocyte cytochrome c oxidase, cyclic GMP and cholinergic muscarinic receptors as peripheral indicators of carbon monoxide neurotoxicity after acute and repeated exposure in the rat. *Life Sciences*, **2006**, 78, 1915-24	6.8	5
21	Prolonged ethanol ingestion enhances benzene myelotoxicity and lowers urinary concentrations of benzene metabolite levels in CD-1 male mice. *Toxicological Sciences*, **2003**, 75, 16-24	4.4	5
20	Determination of S-phenylmercapturic acid by GC-MS and ELISA: a comparison of the two methods. *Biomarkers*, **2005**, 10, 238-51	2.6	5
19	5-HT3 receptor involvement in descending reflex relaxation in the rabbit isolated distal colon. *European Journal of Pharmacology*, **1995**, 286, 205-8	5.3	5
18	Neuron-Like Cells Generated from Human Umbilical Cord Lining-Derived Mesenchymal Stem Cells as a New In Vitro Model for Neuronal Toxicity Screening: Using Magnetite Nanoparticles as an Example. *International Journal of Molecular Sciences*, **2019**, 21,	6.3	5
17	Developmental Neurotoxicity Screening for Nanoparticles Using Neuron-Like Cells of Human Umbilical Cord Mesenchymal Stem Cells: Example with Magnetite Nanoparticles. *Nanomaterials*, **2020**, 10,	5.4	5
16	Gene expression analysis in rat lungs after intratracheal exposure to nanoparticles doped with cadmium. *Journal of Physics: Conference Series*, **2011**, 304, 012025	0.3	4
15	Effect of subchronic ethanol ingestion on styrene-induced damage to the tracheal and pulmonary epithelium of the rat. *Journal of Applied Toxicology*, **1998**, 18, 349-56	4.1	4
14	Calcium entry blockade as a mechanism for chlordimeform-induced inhibition of motor activity in the isolated guinea-pig ileum. *Basic and Clinical Pharmacology and Toxicology*, **1992**, 71, 426-33		4
13	How Do Inflammatory Mediators, Immune Response and Air Pollution Contribute to COVID-19 Disease Severity? A Lesson to Learn. *Life*, **2021**, 11,	3	4
12	Brief exposure to nanosized and bulk titanium dioxide forms induces subtle changes in human D384 astrocytes. *Toxicology Letters*, **2016**, 254, 8-21	4.4	3
11	Morphological and cytohistochemical evaluation of renal effects of cadmium-doped silica nanoparticles given intratracheally to rat. *Journal of Physics: Conference Series*, **2013**, 429, 012033	0.3	2
10	IN vitro toxicology: From INtestine to braIN. *ALTEX: Alternatives To Animal Experimentation*, **2017**, 34, 439-440	4.3	2
9	MAM-2201, One of the Most Potent-Naphthoyl Indole Derivative-Synthetic Cannabinoids, Exerts Toxic Effects on Human Cell-Based Models of Neurons and Astrocytes. *Neurotoxicity Research*, **2021** , 39, 1251-1273	4.3	2

8	Styrene hepatotoxicity in rats treated by inhalation or intraperitoneally: a structural investigation. *Histology and Histopathology*, **2003**, 18, 49-54	1.4	2
7	Comparative HPLC and ELISA studies for CDT isoform characterization in subjects with alcohol related problems. Prospective application in workplace risk-prevention policy. *Giornale Italiano Di Medicina Del Lavoro Ed Ergonomia*, **2008**, 30, 119-27	0.2	1
6	Biomarkers for alcohol abuse/withdrawal and their association with clinical scales and temptation to drink. A prospective pilot study during 4-week residential rehabilitation. *Alcohol*, **2021**, 94, 43-56	2.7	0
5	Human Umbilical Cord Mesenchymal Stem Cell-Based in vitro Model for Neurotoxicity Testing.. *Current Protocols*, **2022**, 2, e423		0
4	Human developmental neurotoxicity of methylmercury and variables. *Regulatory Toxicology and Pharmacology*, **2008**, 52, 197-198	3.4	
3	Morphine inhibits the enteric excitatory reflex at multiple neuronal sites. *Pharmacological Research*, **1990**, 22, 479	10.2	
2	Mercury Vapour Long-Lasting Exposure: Lymphocyte Muscarinic Receptors as Neurochemical Markers of Accidental Intoxication. *Case Reports in Medicine*, **2016**, 2016, 9783876	0.7	
1	Novel tools for blood inflammatory markers detection in monitoring air pollution-induced cardio-respiratory symptoms. *Giornale Italiano Di Medicina Del Lavoro Ed Ergonomia*, **2012**, 34, 175-86	0.2	