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Toxicity of TDCPP and TCEP on PC12 cell: changes in CAMKII, GAP43, tubulin and NF-H gene and protein levels

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#	Paper	IF	Citations
99	Exposures, mechanisms, and impacts of endocrine-active flame retardants. <i>Current Opinion in Pharmacology</i> , 2014 , 19, 125-33	5.1	107
98	Comparison of gene expression regulation in mouse- and human embryonic stem cell assays during neural differentiation and in response to valproic acid exposure. <i>Reproductive Toxicology</i> , 2015 , 56, 77-86	3.4	6
97	Effects of Tris(1,3-dichloro-2-propyl) Phosphate (TDCPP) in Tetrahymena Thermophila: Targeting the Ribosome. <i>Scientific Reports</i> , 2015 , 5, 10562	4.9	28
96	Kinetics of thermal and photo-initiated release of tris (1,3-dichloro-2-propyl) phosphate (TDCP) flame retardant from polyurethane foam materials. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015 , 50, 855-65	2.3	3
95	Bioconcentration and transfer of the organophorous flame retardant 1,3-dichloro-2-propyl phosphate causes thyroid endocrine disruption and developmental neurotoxicity in zebrafish larvae. <i>Environmental Science & Technology</i> , 2015 , 49, 5123-32	10.3	143
94	Bioconcentration, metabolism and alterations of thyroid hormones of Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) in Zebrafish. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 40, 581-6	5.8	27
93	Environmentally Relevant Concentrations of the Flame Retardant Tris(1,3-dichloro-2-propyl) Phosphate Inhibit Growth of Female Zebrafish and Decrease Fecundity. <i>Environmental Science & Technology</i> , 2015 , 49, 14579-87	10.3	76
92	Effects of Tris(1,3-dichloro-2-propyl) Phosphate on Growth, Reproduction, and Gene Transcription of Daphnia magna at Environmentally Relevant Concentrations. <i>Environmental Science & Technology</i> , 2015 , 49, 12975-83	10.3	56
91	Neurotoxicity and risk assessment of brominated and alternative flame retardants. <i>Neurotoxicology and Teratology</i> , 2015 , 52, 248-69	3.9	51
90	Neurotoxicological and thyroid evaluations of rats developmentally exposed to tris(1,3-dichloro-2-propyl)phosphate (TDCIPP) and tris(2-chloro-2-ethyl)phosphate (TCEP). <i>Neurotoxicology and Teratology</i> , 2015 , 52, 236-47	3.9	36
89	Bioconcentration, metabolism and neurotoxicity of the organophorous flame retardant 1,3-dichloro 2-propyl phosphate (TDCPP) to zebrafish. <i>Aquatic Toxicology</i> , 2015 , 158, 108-15	5.1	126
88	Defensive and adverse energy-related molecular responses precede tris (1, 3-dichloro-2-propyl) phosphate cytotoxicity. <i>Journal of Applied Toxicology</i> , 2016 , 36, 649-58	4.1	5
87	Effects of tris(1,3-dichloro-2-propyl)phosphate on pathomorphology and gene/protein expression related to thyroid disruption in rats. <i>Toxicology Research</i> , 2016 , 5, 921-930	2.6	14
86	Multigenerational effects of tris(1,3-dichloro-2-propyl) phosphate on the free-living ciliate protozoa Tetrahymena thermophila exposed to environmentally relevant concentrations and after subsequent recovery. <i>Environmental Pollution</i> , 2016 , 218, 50-58	9.3	18
85	A Reagent-Free Screening Assay for Evaluation of the Effects of Chemicals on the Proliferation and Morphology of HeLa-GFP Cells. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 322-326	11	2
84	Altered Expression of Cytoskeletal and Axonal Proteins in Oxaliplatin-Induced Neuropathy. <i>Pharmacology</i> , 2016 , 97, 146-50	2.3	10
83	Involvement of ROS-mediated mitochondrial dysfunction and SIRT3 down-regulation in tris(2-chloroethyl)phosphate-induced cell cycle arrest. <i>Toxicology Research</i> , 2016 , 5, 461-470	2.6	12

82	Targeting neurotrophic factors and their receptors, but not cholinesterase or neurotransmitter, in the neurotoxicity of TDCPP in Chinese rare minnow adults (<i>Gobiocypris rarus</i>). <i>Environmental Pollution</i> , 2016 , 208, 670-7	9.3	54
81	Tris (1,3-dichloro-2-propyl) phosphate induces toxicity by stimulating CaMK2 in PC12 cells. <i>Environmental Toxicology</i> , 2017 , 32, 1784-1791	4.2	5
80	The involvement of autophagy and cytoskeletal regulation in TDCIPP-induced SH-SY5Y cell differentiation. <i>NeuroToxicology</i> , 2017 , 62, 14-23	4.4	5
79	Assessment of tris (1, 3-dichloro-2-propyl) phosphate toxicology in PC12 cells by using digital gene expression profiling. <i>Chemosphere</i> , 2017 , 183, 353-360	8.4	6
78	Flame retardant tris(1,3-dichloro-2-propyl)phosphate (TDCPP) toxicity is attenuated by -acetylcysteine in human kidney cells. <i>Toxicology Reports</i> , 2017 , 4, 260-264	4.8	17
77	Developmental neurotoxicity of different pesticides in PC-12 cells in vitro. <i>Toxicology and Applied Pharmacology</i> , 2017 , 325, 25-36	4.6	37
76	Tris (1, 3-dichloro-2-propyl) phosphate induces apoptosis and autophagy in SH-SY5Y cells: Involvement of ROS-mediated AMPK/mTOR/ULK1 pathways. <i>Food and Chemical Toxicology</i> , 2017 , 100, 183-196	4.7	33
75	Tributylphosphate (TBP) and tris (2-butoxyethyl) phosphate (TBEP) induced apoptosis and cell cycle arrest in HepG2 cells. <i>Toxicology Research</i> , 2017 , 6, 902-911	2.6	11
74	Tris(1,3-dichloro-2-propyl) phosphate disrupts axonal growth, cholinergic system and motor behavior in early life zebrafish. <i>Aquatic Toxicology</i> , 2017 , 192, 7-15	5.1	31
73	Tris (2-chloroethyl) phosphate induces senescence-like phenotype of hepatocytes via the p21-Rb pathway in a p53-independent manner. <i>Environmental Toxicology and Pharmacology</i> , 2017 , 56, 68-75	5.8	14
72	Heterogeneous photocatalysis of tris(2-chloroethyl) phosphate by UV/TiO ₂ : Degradation products and impacts on bacterial proteome. <i>Water Research</i> , 2017 , 124, 29-38	12.5	50
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70	Bioinspired flame retardant polymers of tyrosol. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45394	2.9	8
69	Tris (1,3-dichloro-2-propyl) phosphate-induced apoptotic signaling pathways in SH-SY5Y neuroblastoma cells. <i>NeuroToxicology</i> , 2017 , 58, 1-10	4.4	22
68	Degradation of tris(2-chloroethyl) phosphate by ultraviolet-persulfate: Kinetics, pathway and intermediate impact on proteome of <i>Escherichia coli</i> . <i>Chemical Engineering Journal</i> , 2017 , 308, 386-395	14.7	48
67	Parental transfer of tris(1,3-dichloro-2-propyl) phosphate and transgenerational inhibition of growth of zebrafish exposed to environmentally relevant concentrations. <i>Environmental Pollution</i> , 2017 , 220, 196-203	9.3	54
66	Human Excretion of Polybrominated Diphenyl Ether Flame Retardants: Blood, Urine, and Sweat Study. <i>BioMed Research International</i> , 2017 , 2017, 3676089	3	21
65	H-nuclear magnetic resonance metabolomics revealing the intrinsic relationships between neurochemical alterations and neurobehavioral and neuropathological abnormalities in rats exposed to tris(2-chloroethyl)phosphate. <i>Chemosphere</i> , 2018 , 200, 649-659	8.4	20

64	Mineral- and Base-Catalyzed Hydrolysis of Organophosphate Flame Retardants: Potential Major Fate-Controlling Sink in Soil and Aquatic Environments. <i>Environmental Science & Technology</i> , 2018 , 52, 1997-2006	10.3	31
63	Intestinal damage, neurotoxicity and biochemical responses caused by tris (2-chloroethyl) phosphate and tricresyl phosphate on earthworm. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 158, 78-86	7	50
62	A protective role of autophagy in TDCIPP-induced developmental neurotoxicity in zebrafish larvae. <i>Aquatic Toxicology</i> , 2018 , 199, 46-54	5.1	25
61	Inhibition of O-linked N-acetylglucosamine transferase activity in PC12 cells - A molecular mechanism of organophosphate flame retardants developmental neurotoxicity. <i>Biochemical Pharmacology</i> , 2018 , 152, 21-33	6	16
60	Novel aspects of uptake patterns, metabolite formation and toxicological responses in Salmon exposed to the organophosphate esters-Tris(2-butoxyethyl)- and tris(2-chloroethyl) phosphate. <i>Aquatic Toxicology</i> , 2018 , 196, 146-153	5.1	11
59	UV-driven hydroxyl radical oxidation of tris(2-chloroethyl) phosphate: Intermediate products and residual toxicity. <i>Chemosphere</i> , 2018 , 190, 225-233	8.4	32
58	Exposure to organophosphate flame retardant chemicals in the U.S. general population: Data from the 2013-2014 National Health and Nutrition Examination Survey. <i>Environment International</i> , 2018 , 110, 32-41	12.9	110
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54	Tris(1,3-dichloro-2-propyl) phosphate disturbs mouse embryonic development by inducing apoptosis and abnormal DNA methylation. <i>Environmental and Molecular Mutagenesis</i> , 2019 , 60, 807-815	3.2	5
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47	Prenatal exposure to organophosphate esters and behavioral development in young children in the Pregnancy, Infection, and Nutrition Study. <i>NeuroToxicology</i> , 2019 , 73, 150-160	4.4	42

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42	Prenatal exposure to organophosphate esters and cognitive development in young children in the Pregnancy, Infection, and Nutrition Study. <i>Environmental Research</i> , 2019 , 169, 33-40	7.9	25
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20	Organophosphate flame retardants and diesters in the urine of e-waste dismantling workers: associations with indoor dust and implications for urinary biomonitoring. <i>Environmental Sciences: Processes and Impacts</i> , 2021 , 23, 357-366	4.3	3
19	Neurodevelopment outcomes. 2020 , 125-169		1
18	Organophosphorus Flame Retardants (OPFR): Neurotoxicity. <i>Journal of Environment and Health Sciences</i> , 2016 , 2, 1-29	1	8
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15	Similarities and differences among the responses to three chlorinated organophosphate esters in earthworm: Evidences from biomarkers, transcriptomics and metabolomics.. <i>Science of the Total Environment</i> , 2022 , 815, 152853	10.2	2
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9	Association between organophosphorus flame retardants exposure and cognitive impairment among elderly population in southern China. 2022 , 848, 157763		1
8	Potential adverse outcome pathways with hazard identification of organophosphate esters. 2022 , 851, 158093		
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6	Probiotics protect against hepatic steatosis in tris (2-chloroethyl) phosphate-induced metabolic disorder of mice via FXR signaling. 2022 , 169, 113440		○
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4	In vitro neurotoxic potential of emerging flame retardants on neuroblastoma cells in an acute exposure scenario. 2023 , 87, 105523		○
3	Seasonal and source characteristics of organophosphorus flame retardants in air and house dust in Taiwan residential microenvironments: Implications for young children's exposure and risk assessment using a probabilistic approach. 2022 , 120893		○
2	Presence, source attribution, and human exposure to organophosphate esters in indoor dust from various microenvironments in Nigeria. 2023 , 9, 100208		○
1	A preliminary report on the association between maternal serum organophosphate ester concentrations and gestational diabetes mellitus. 2023 , 9, e14302		○