Pamela J Lein

List of Publications by Year
in descending order

244 papers	9,842 citations	34493 54 h-index	66518 82 g-index
252 all docs	252 docs citations	252 times ranked	9857 citing authors

#	Article	IF	Citations
1	Review of evidence implicating the plasminogen activator system in blood-brain barrier dysfunction associated with Alzheimerâ€™s disease. , 2022, 2, .		3
2	Cellular and Molecular Mechanisms of PCB Developmental Neurotoxicity. , 2022, , 1-30.		2
3	Chronic exposure to ambient traffic-related air pollution (TRAP) alters gut microbial abundance and bile acid metabolism in a transgenic rat model of Alzheimerâ€™s disease. Toxicology Reports, 2022, 9, 432-444.	1.6	7
4	Triiodothyronine or Antioxidants Block the Inhibitory Effects of BDE-47 and BDE-49 on Axonal Growth in Rat Hippocampal Neuron-Glia Co-Cultures. Toxics, 2022, 10, 92.	1.6	3
5	Placenta and fetal brain share a neurodevelopmental disorder DNA methylation profile in a mouse model of prenatal PCB exposure. Cell Reports, 2022, 38, 110442.	2.9	27
6	Emulating Near-Roadway Exposure to Traffic-Related Air Pollution via Real-Time Emissions from a Major Freeway Tunnel System. Environmental Science & Technology, 2022, 56, 7083-7095.	4.6	3
7	Polyunsaturated fatty acids and fatty acid-derived lipid mediators: Recent advances in the understanding of their biosynthesis, structures, and functions. Progress in Lipid Research, 2022, 86, 101165.	5.3	164
8	Hippocampal but Not Serum Cytokine Levels Are Altered by Traffic-Related Air Pollution in TgF344-AD and Wildtype Fischer 344 Rats in a Sex- and Age-Dependent Manner. Frontiers in Cellular Neuroscience, 2022, 16, 861733.	1.8	2
9	Chronic exposure to traffic-related air pollution reduces lipid mediators of linoleic acid and soluble epoxide hydrolase in serum of female rats. Environmental Toxicology and Pharmacology, 2022, 93, 103875.	2.0	2
10	Diisopropylfluorophosphate (DFP) volatizes and cross-contaminates wells in a common 96-well plate format used in zebrafish larvae toxicology studies. Journal of Pharmacological and Toxicological Methods, 2022, 115, 107173.	0.3	0
11	Effects of cytokines on nuclear factor-kappa B, cell viability, and synaptic connectivity in a human neuronal cell line. Molecular Psychiatry, 2021, 26, 875-887.	4.1	14
12	A non-hallucinogenic psychedelic analogue with therapeutic potential. Nature, 2021, 589, 474-479.	13.7	221
13	Linoleic acid-derived 13-hydroxyoctadecadienoic acid is absorbed and incorporated into rat tissues. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158870.	1.2	9
14	Transient Stimulation with Psychoplastogens Is Sufficient to Initiate Neuronal Growth. ACS Pharmacology and Translational Science, 2021, 4, 452-460.	2.5	60
15	Establishing the Neurotoxic Impact of Chlorpyrifos Exposure in Workers. , 2021, , .		0
16	Morphometric Analysis of Axons and Dendrites as a Tool for Assessing. Neuromethods, 2021, , 51-87.	0.2	0
17	Glioma-associated microglia/macrophages augment tumorigenicity in canine astrocytoma, a naturally occurring model of human glioma. Neuro-Oncology Advances, 2021, 3, vdab062.	0.4	10
18	Sex-specific acute and chronic neurotoxicity of acute diisopropylfluorophosphate (DFP)-intoxication in juvenile Sprague-Dawley rats. Current Research in Toxicology, 2021, 2, 341-356.	1.3	7

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19	Co-localization of fluorescent signals using deep learning with Manders overlapping coefficient. , 2021, 11596, .		0
20	Disposition of PCB 11 in Mice Following Acute Oral Exposure. Chemical Research in Toxicology, 2021, 34, 988-991.	1.7	5
21	Developmental exposure to DDT or DDE alters sympathetic innervation of brown adipose in adult female mice. Environmental Health, 2021, 20, 37.	1.7	10
22	The Effects of Chronic Exposure to Ambient Traffic-Related Air Pollution on Alzheimerâ€™s Disease Phenotypes in Wildtype and Genetically Predisposed Male and Female Rats. Environmental Health Perspectives, 2021, 129, 57005.	2.8	35
23	Aging Human Endothelial Cells Affect Neuronal Viability and Function. FASEB Journal, 2021, 35, .	0.2	0
24	Investigation of NH3 as a selective thyroid hormone receptor modulator in larval zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	6
25	Neuroinflammation as a Therapeutic Target for Mitigating the Long-Term Consequences of Acute Organophosphate Intoxication. Frontiers in Pharmacology, 2021, 12, 674325.	1.6	15
26	Mechanisms of organophosphate neurotoxicity. Current Opinion in Toxicology, 2021, 26, 49-60.	2.6	40
27	The efficacy of Î³-aminobutyric acid type A receptor (GABA AR) subtype-selective positive allosteric modulators in blocking tetramethylenedisulfotetramine (TETS)-induced seizure-like behavior in larval zebrafish with minimal sedation. Toxicology and Applied Pharmacology, 2021, 426, 115643.	1.3	8
28	Persistent neuropathology and behavioral deficits in a mouse model of status epilepticus induced by acute intoxication with diisopropylfluorophosphate. NeuroToxicology, 2021, 87, 106-119.	1.4	8
29	Strain differences in the extent of brain injury in mice after tetramethylenedisulfotetramine-induced status epilepticus. NeuroToxicology, 2021, 87, 43-50.	1.4	1
30	In utero and lactational PCB exposure drives anatomic changes in the juvenile mouse bladder. Current Research in Toxicology, 2021, 2, 1-18.	1.3	6
31	Iron Deficiency and Iron Excess Differently Affect Dendritic Architecture of Pyramidal Neurons in the Hippocampus of Piglets. Journal of Nutrition, 2021, 151, 235-244.	1.3	9
32	Sex and Genotype Modulate the Dendritic Effects of Developmental Exposure to a Human-Relevant Polychlorinated Biphenyls Mixture in the Juvenile Mouse. Frontiers in Neuroscience, 2021, 15, 766802.	1.4	6
33	Developmental Exposure to a Human-Relevant Polychlorinated Biphenyl Mixture Causes Behavioral Phenotypes That Vary by Sex and Genotype in Juvenile Mice Expressing Human Mutations That Modulate Neuronal Calcium. Frontiers in Neuroscience, 2021, 15, 766826.	1.4	17
34	Persistent behavior deficits, neuroinflammation, and oxidative stress in a rat model of acute organophosphate intoxication. Neurobiology of Disease, 2020, 133, 104431.	2.1	69
35	Linoleic acidâ€derived metabolites constitute the majority of oxylipins in the rat pup brain and stimulate axonal growth in primary rat cortical neuronâ€glia coâ€cultures in a sexâ€dependent manner. Journal of Neurochemistry, 2020, 152, 195-207.	2.1	24
36	The developmental neurotoxicity of legacy vs. contemporary polychlorinated biphenyls (PCBs): similarities and differences. Environmental Science and Pollution Research, 2020, 27, 8885-8896.	2.7	44

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37	Susceptibility of larval zebrafish to the seizurogenic activity of GABA type A receptor antagonists. NeuroToxicology, 2020, 76, 220-234.	1.4	35
38	Editorial: influence of the microbiome on neurotoxic outcomes. NeuroToxicology, 2020, 77, 29.	1.4	0
39	Allopregnanolone and perampanel as adjuncts to midazolam for treating diisopropylfluorophosphateâ€induced status epilepticus in rats. Annals of the New York Academy of Sciences, 2020, 1480, 183-206.	1.8	19
40	19.3 DEVELOPMENTAL EXPOSURE TO NEAR-ROADWAY POLLUTION PRODUCES BEHAVIORAL AND HISTOLOGICAL PHENOTYPES RELEVANT TO NEURODEVELOPMENTAL DISORDERS. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, S294-S295.	0.3	0
41	Iron Deficiency and Iron Excess Alter Dendritic Architecture of Pyramidal Neurons in the Hippocampus of Neonatal Pigs. Current Developments in Nutrition, 2020, 4, nzaa057_048.	0.1	1
42	The influence of sex, genotype, and dose on serum and hippocampal cytokine levels in juvenile mice developmentally exposed to a human-relevant mixture of polychlorinated biphenyls. Current Research in Toxicology, 2020, 1, 85-103.	1.3	12
43	A national toxicology program systematic review of the evidence for long-term effects after acute exposure to sarin nerve agent. Critical Reviews in Toxicology, 2020, 50, 474-490.	1.9	25
44	Polychlorinated Biphenyls (PCBs): Risk Factors for Autism Spectrum Disorder?. Toxics, 2020, 8, 70.	1.6	38
45	Developmental exposure to near roadway pollution produces behavioral phenotypes relevant to neurodevelopmental disorders in juvenile rats. Translational Psychiatry, 2020, 10, 289.	2.4	21
46	Translational outcomes relevant to neurodevelopmental disorders following early life exposure of rats to chlorpyrifos. Journal of Neurodevelopmental Disorders, 2020, 12, 40.	1.5	29
47	Assessment of Autism Zebrafish Mutant Models Using a High-Throughput Larval Phenotyping Platform. Frontiers in Cell and Developmental Biology, 2020, 8, 586296.	1.8	10
48	Pathological Cardiopulmonary Evaluation of Rats Chronically Exposed to Traffic-Related Air Pollution. Environmental Health Perspectives, 2020, 128, 127003.	2.8	22
49	Acute administration of diazepam or midazolam minimally alters long-term neuropathological effects in the rat brain following acute intoxication with diisopropylfluorophosphate. European Journal of Pharmacology, 2020, 886, 173538.	1.7	21
50	A primary neural cell culture model to study neuron, astrocyte, and microglia interactions in neuroinflammation. Journal of Neuroinflammation, 2020, 17, 155.	3.1	121
51	Preface to the NeuroToxicology Special Issue, â€œMercury in fish: The Seychelles child development studyâ€. NeuroToxicology, 2020, 79, 211.	1.4	1
52	Automated high content image analysis of dendritic arborization in primary mouse hippocampal and rat cortical neurons in culture. Journal of Neuroscience Methods, 2020, 341, 108793.	1.3	7
53	Cyclin D2-knock-out mice with attenuated dentate gyrus neurogenesis have robust deficits in long-term memory formation. Scientific Reports, 2020, 10, 8204.	1.6	6
54	Effects of early life exposure to traffic-related air pollution on brain development in juvenile Sprague-Dawley rats. Translational Psychiatry, 2020, 10, 166.	2.4	41

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55	Translational toxicology in zebrafish. Current Opinion in Toxicology, 2020, 23-24, 56-66.	2.6	33
56	Evidence Implicating Non-Dioxin-Like Congeners as the Key Mediators of Polychlorinated Biphenyl (PCB) Developmental Neurotoxicity. International Journal of Molecular Sciences, 2020, 21, 1013.	1.8	74
57	Identification of Psychoplastogenic N,N-Dimethylaminoisotryptamine (isoDMT) Analogues through Structureâ€“Activity Relationship Studies. Journal of Medicinal Chemistry, 2020, 63, 1142-1155.	2.9	49
58	Magnitude of behavioral deficits varies with job-related chlorpyrifos exposure levels among Egyptian pesticide workers. NeuroToxicology, 2020, 77, 216-230.	1.4	17
59	Comparison of the toxicokinetics of the convulsants picrotoxinin and tetramethylenedisulfotetramine (TETS) in mice. Archives of Toxicology, 2020, 94, 1995-2007.	1.9	10
60	The chemical convulsant diisopropylfluorophosphate (DFP) causes persistent neuropathology in adult male rats independent of seizure activity. Archives of Toxicology, 2020, 94, 2149-2162.	1.9	20
61	SUN-638 Perinatal DDE Exposure Disrupts Thermogenesis Early in Development. Journal of the Endocrine Society, 2020, 4, .	0.1	0
62	Cytokines Modulate the Expression of Calcitoninâ€Geneâ€Relatedâ€Peptide and Substance P in Primary Rat DRG Neuronâ€glia Coâ€cultures. FASEB Journal, 2020, 34, 1-1.	0.2	0
63	The Use of Percent Change in RR Interval for Data Exclusion in Analyzing 24-h Time Domain Heart Rate Variability in Rodents. Frontiers in Physiology, 2019, 10, 693.	1.3	7
64	Developmental exposure to polychlorinated biphenyls (PCBs) in the maternal diet causes host-microbe defects in weanling offspring mice. Environmental Pollution, 2019, 253, 708-721.	3.7	47
65	Acute peripheral immune activation alters cytokine expression and glial activation in the early postnatal rat brain. Journal of Neuroinflammation, 2019, 16, 200.	3.1	23
66	34.1 GENETIC MUTATIONS AND ENVIRONMENTAL FACTORS THAT PROMOTE ADVERSE NEURODEVELOPMENTAL OUTCOMES IN PRECLINICAL MODELS. Journal of the American Academy of Child and Adolescent Psychiatry, 2019, 58, S351.	0.3	0
67	Ontogenetic expression of thyroid hormone signaling genes: An in vitro and in vivo species comparison. PLoS ONE, 2019, 14, e0221230.	1.1	12
68	Lipidomes of brain from rats acutely intoxicated with diisopropylfluorophosphate identifies potential therapeutic targets. Toxicology and Applied Pharmacology, 2019, 382, 114749.	1.3	8
69	Sex-Dependent Effects of 2,2â€²,3,5â€²,6-Pentachlorobiphenyl on Dendritic Arborization of Primary Mouse Neurons. Toxicological Sciences, 2019, 168, 95-109.	1.4	19
70	Neuroinflammation in organophosphate-induced neurotoxicity. Advances in Neurotoxicology, 2019, 3, 35-79.	0.7	20
71	Changes in thyroid hormone activity disrupt photomotor behavior of larval zebrafish. NeuroToxicology, 2019, 74, 47-57.	1.4	18
72	MicroRNAs are Necessary for BMP-7-induced Dendritic Growth in Cultured Rat Sympathetic Neurons. Cellular and Molecular Neurobiology, 2019, 39, 917-934.	1.7	8

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73	TSPO PET Using [18F]PBR111 Reveals Persistent Neuroinflammation Following Acute Diisopropylfluorophosphate Intoxication in the Rat. Toxicological Sciences, 2019, 170, 330-344.	1.4	20
74	Organophosphorus Pesticides Induce Cytokine Release from Differentiated Human THP1 Cells. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 620-630.	1.4	21
75	Pretreatment with pyridostigmine bromide has no effect on seizure behavior or 24 hour survival in the rat model of acute diisopropylfluorophosphate intoxication. NeuroToxicology, 2019, 73, 81-84.	1.4	13
76	Neurotoxicity of polychlorinated biphenyls and related organohalogens. Acta Neuropathologica, 2019, 138, 363-387.	3.9	123
77	Comparative Analyses of the 12 Most Abundant PCB Congeners Detected in Human Maternal Serum for Activity at the Thyroid Hormone Receptor and Ryanodine Receptor. Environmental Science & Technology, 2019, 53, 3948-3958.	4.6	60
78	Gene-environment interactions determine risk for dementia: the influence of lifestyle on genetic risk for dementia. Annals of Translational Medicine, 2019, 7, S322-S322.	0.7	3
79	Effects of thyroid hormone disruption on the ontogenetic expression of thyroid hormone signaling genes in developing zebrafish (Danio rerio). General and Comparative Endocrinology, 2019, 272, 20-32.	0.8	38
80	Teratological and Behavioral Screening of the National Toxicology Program 91-Compound Library in Zebrafish (Danio rerio). Toxicological Sciences, 2019, 167, 77-91.	1.4	39
81	Increased severity of fragile X spectrum disorders in the agricultural community of Ricaurte, Colombia. International Journal of Developmental Neuroscience, 2019, 72, 1-5.	0.7	10
82	Developmental exposure to environmentally relevant concentrations of bifenthrin alters transcription of mTOR and ryanodine receptor-dependent signaling molecules and impairs predator avoidance behavior across early life stages in inland silversides (Menidia beryllina). Aquatic Toxicology, 2019, 206, 1-13.	1.9	46
83	Genetic mutations in Ca²⁺ signaling alter dendrite morphology and social approach in juvenile mice. Genes, Brain and Behavior, 2019, 18, e12526.	1.1	16
84	Commentary: Fc Gamma Receptors are Expressed in the Developing Rat Brain and Activate Downstream Signaling Molecules upon Cross-Linking with Immune Complex. Journal of Neurology and Neuromedicine, 2019, 4, 26-29.	0.9	3
85	Developmental Exposure to Chlorpyrifos Modulates Pulmonary Function in Adult Rats. FASEB Journal, 2019, 33, 812.12.	0.2	0
86	Neuroinflammatory responses in a mouse model of acute organophosphate intoxication. FASEB Journal, 2019, 33, .	0.2	0
87	Consensus statement on the need for innovation, transition and implementation of developmental neurotoxicity (DNT) testing for regulatory purposes. Toxicology and Applied Pharmacology, 2018, 354, 3-6.	1.3	90
88	Developmental social communication deficits in the Shank3 rat model of phelanâ€mcdermid syndrome and autism spectrum disorder. Autism Research, 2018, 11, 587-601.	2.1	78
89	Simultaneous quantification of T4, T3, rT3, 3,5â€T2 and 3,3â€²â€T2 in larval zebrafish (<scp>Danio) Tj ETQq1 1 0.784314 rgBT /O Chromatography, 2018, 32, e4185.	0.8	16
90	Opportunities and challenges for using the zebrafish to study neuronal connectivity as an endpoint of developmental neurotoxicity. NeuroToxicology, 2018, 67, 102-111.	1.4	20

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91	A magnetic resonance imaging study of early brain injury in a rat model of acute DFP intoxication. NeuroToxicology, 2018, 66, 170-178.	1.4	25
92	Regulation of Dendritogenesis in Sympathetic Neurons. , 2018, , .		2
93	Developmental exposure to silver nanoparticles at environmentally relevant concentrations alters swimming behavior in zebrafish (Danio rerio). Environmental Toxicology and Chemistry, 2018, 37, 3018-3024.	2.2	30
94	3,3Ê¹-Dichlorobiphenyl (PCB 11) promotes dendritic arborization in primary rat cortical neurons via a CREB-dependent mechanism. Archives of Toxicology, 2018, 92, 3337-3345.	1.9	23
95	The Organophosphorus Pesticide Chlorpyrifos Induces Sex-Specific Airway Hyperreactivity in Adult Rats. Toxicological Sciences, 2018, 165, 244-253.	1.4	13
96	Mechanisms of organophosphorus pesticide toxicity in the context of airway hyperreactivity and asthma. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L485-L501.	1.3	36
97	A Microfluidic Platform to Study Astrocyte Adhesion on Nanoporous Gold Thin Films. Nanomaterials, 2018, 8, 452.	1.9	9
98	Species and Sex Differences in the Morphogenic Response of Primary Rodent Neurons to 3,3â€²-Dichlorobiphenyl (PCB 11). Toxics, 2018, 6, 4.	1.6	22
99	Fc gamma receptors are expressed in the developing rat brain and activate downstream signaling molecules upon cross-linking with immune complex. Journal of Neuroinflammation, 2018, 15, 7.	3.1	20
100	Bifenthrin causes transcriptomic alterations in mTOR and ryanodine receptor-dependent signaling and delayed hyperactivity in developing zebrafish (Danio rerio). Aquatic Toxicology, 2018, 200, 50-61.	1.9	41
101	PCB 95 promotes dendritic growth in primary rat hippocampal neurons via mTOR-dependent mechanisms. Archives of Toxicology, 2018, 92, 3163-3173.	1.9	25
102	Apoptosis as a Mechanism of Developmental Neurotoxicity. , 2018, , 91-112.		1
103	Developmental Toxicity Within the Central Cholinergic Nervous System. , 2018, , 183-198.		1
104	Neuroinflammatory Responses in a Mouse Model of Tetramethylenedisulfotetramineâ€Induced Status Epilepticus. FASEB Journal, 2018, 32, lb645.	0.2	1
105	3,3â€²â€Dichlorobiphenyl (PCB 11) Promotes Dendritic Arborization in Primary Neurons via CREBâ€Dependent Mechanisms. FASEB Journal, 2018, 32, 691.1.	0.2	0
106	Gamma Secretase Activity Is Necessary For BMPâ€7â€Induced Dendritic Growth In Embryonic Sympathetic Neurons. FASEB Journal, 2018, 32, 805.13.	0.2	0
107	Reference compounds for alternative test methods to indicate developmental neurotoxicity (DNT) potential of chemicals: example lists and criteria for their selection and use. ALTEX: Alternatives To Animal Experimentation, 2017, 34, 49-74.	0.9	94
108	BDE-47 and BDE-49 Inhibit Axonal Growth in Primary Rat Hippocampal Neuron-Glia Co-Cultures via Ryanodine Receptor-Dependent Mechanisms. Toxicological Sciences, 2017, 156, kfw259.	1.4	18

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109	Developing and applying the adverse outcome pathway concept for understanding and predicting neurotoxicity. NeuroToxicology, 2017, 59, 240-255.	1.4	69
110	Valid statistical approaches for analyzing sholl data: Mixed effects versus simple linear models. Journal of Neuroscience Methods, 2017, 279, 33-43.	1.3	62
111	From the Cover: Magnetic Resonance Imaging Reveals Progressive Brain Injury in Rats Acutely Intoxicated With Diisopropylfluorophosphate. Toxicological Sciences, 2017, 157, 342-353.	1.4	30
112	Mutant IDH1 and seizures in patients with glioma. Neurology, 2017, 88, 1805-1813.	1.5	167
113	Nanostructure Introduces Artifacts in Quantitative Immunofluorescence by Influencing Fluorophore Intensity. Scientific Reports, 2017, 7, 427.	1.6	7
114	A multi-tiered, in vivo, quantitative assay suite for environmental disruptors of thyroid hormone signaling. Aquatic Toxicology, 2017, 190, 1-10.	1.9	17
115	Editorâ€™s Highlight: Spatiotemporal Progression and Remission of Lesions in the Rat Brain Following Acute Intoxication With Diisopropylfluorophosphate. Toxicological Sciences, 2017, 157, 330-341.	1.4	43
116	Dental Pulp Stem Cells Model Early Life and Imprinted DNA Methylation Patterns. Stem Cells, 2017, 35, 981-988.	1.4	28
117	Nanoporous Gold Biointerfaces: Modifying Nanostructure to Control Neural Cell Coverage and Enhance Electrophysiological Recording Performance. Advanced Functional Materials, 2017, 27, 1604631.	7.8	52
118	In vivo and in vitro sex differences in the dendritic morphology of developing murine hippocampal and cortical neurons. Scientific Reports, 2017, 7, 8486.	1.6	45
119	BDE-99 impairs differentiation of human and mouse NPCs into the oligodendroglial lineage by species-specific modes of action. Scientific Reports, 2017, 7, 44861.	1.6	44
120	Detection of 3,3â€²-Dichlorobiphenyl in Human Maternal Plasma and Its Effects on Axonal and Dendritic Growth in Primary Rat Neurons. Toxicological Sciences, 2017, 158, 401-411.	1.4	52
121	Editorâ€™s Highlight: Congener-Specific Disposition of Chiral Polychlorinated Biphenyls in Lactating Mice and Their Offspring: Implications for PCB Developmental Neurotoxicity. Toxicological Sciences, 2017, 158, 101-115.	1.4	28
122	Transcriptomic profiling of mTOR and ryanodine receptor signaling molecules in developing zebrafish in the absence and presence of PCB 95. PeerJ, 2017, 5, e4106.	0.9	7
123	Organophosphorus pesticides increase inflammatory cytokines by activating macrophage Mac-1. , 2017, , .		0
124	Persistent neuroinflammation and cognitive impairment in a rat model of acute diisopropylfluorophosphate intoxication. Journal of Neuroinflammation, 2016, 13, 267.	3.1	71
125	DNA methylation: a mechanism linking environmental chemical exposures to risk of autism spectrum disorders?. Environmental Epigenetics, 2016, 2, dvv012.	0.9	96
126	Models to identify treatments for the acute and persistent effects of seizureâ€inducing chemical threat agents. Annals of the New York Academy of Sciences, 2016, 1378, 124-136.	1.8	24

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127	Mechanisms of Reduced Astrocyte Surface Coverage in Cortical Neuron-Glia Co-cultures on Nanoporous Gold Surfaces. Cellular and Molecular Bioengineering, 2016, 9, 433-442.	1.0	16
128	BMP7â€induced dendritic growth in sympathetic neurons requires p75^{NTR} signaling. Developmental Neurobiology, 2016, 76, 1003-1013.	1.5	13
129	Repeated exposure to neurotoxic levels of chlorpyrifos alters hippocampal expression of neurotrophins and neuropeptides. Toxicology, 2016, 340, 53-62.	2.0	51
130	Phenobarbital use and neurological problems in FMR1 premutation carriers. NeuroToxicology, 2016, 53, 141-147.	1.4	20
131	Chasing the Elusive Benzofuran Impurity of the THR Antagonist NH-3: Synthesis, Isotope Labeling, and Biological Activity. Journal of Organic Chemistry, 2016, 81, 1870-1876.	1.7	16
132	Neurotoxicity in Preclinical Models of Occupational Exposure to Organophosphorus Compounds. Frontiers in Neuroscience, 2016, 10, 590.	1.4	82
133	Application of the Neurosphere Assay for DNT Hazard Assessment: Challenges and Limitations. Methods in Pharmacology and Toxicology, 2015, , 1.	0.1	11
134	Subacute nicotine co-exposure has no effect on 2,2â€²,3,5â€²,6- pentachlorobiphenyl disposition but alters hepatic cytochrome P450 expression in the male rat. Toxicology, 2015, 338, 59-68.	2.0	15
135	Dichlorvos exposure results in large scale disruption of energy metabolism in the liver of the zebrafish, Danio rerio. BMC Genomics, 2015, 16, 853.	1.2	35
136	Nanoporous Gold as a Neural Interface Coating: Effects of Topography, Surface Chemistry, and Feature Size. ACS Applied Materials & Interfaces, 2015, 7, 7093-7100.	4.0	123
137	Neuregulin-1 inhibits neuroinflammatory responses in a rat model of organophosphate-nerve agent-induced delayed neuronal injury. Journal of Neuroinflammation, 2015, 12, 64.	3.1	54
138	Putative adverse outcome pathways relevant to neurotoxicity. Critical Reviews in Toxicology, 2015, 45, 83-91.	1.9	92
139	Hepatic Metabolism Affects the Atropselective Disposition of 2,2â€²,3,3â€²,6,6â€²-Hexachlorobiphenyl (PCB 136) in Mice. Environmental Science & Technology, 2015, 49, 616-625.	4.6	33
140	A Novel Carboline Derivative Inhibits Nitric Oxide Formation in Macrophages Independent of Effects on Tumor Necrosis FactorÎ±and Interleukin-1Î²Expression. Journal of Pharmacology and Experimental Therapeutics, 2015, 352, 438-447.	1.3	7
141	Rapid Throughput Analysis Demonstrates that Chemicals with Distinct Seizurogenic Mechanisms Differentially Alter Ca²⁺ Dynamics in Networks Formed by Hippocampal Neurons in Culture. Molecular Pharmacology, 2015, 87, 595-605.	1.0	29
142	Ontogeny of biochemical, morphological and functional parameters of synaptogenesis in primary cultures of rat hippocampal and cortical neurons. Molecular Brain, 2015, 8, 10.	1.3	44
143	Reactive oxygen species are involved in BMP-induced dendritic growth in cultured rat sympathetic neurons. Molecular and Cellular Neurosciences, 2015, 67, 116-125.	1.0	25
144	Overview of the Role of Environmental Factors in Neurodevelopmental Disorders. , 2015, , 3-20.		3

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145	Combined treatment with diazepam and allopregnanolone reverses tetramethylenedisulfotetramine (TETS)-induced calcium dysregulation in cultured neurons and protects TETS-intoxicated mice against lethal seizures. Neuropharmacology, 2015, 95, 332-342.	2.0	23
146	Effect of Pregnancy on the Disposition of 2,2â€²,3,5â€²,6-Pentachlorobiphenyl (PCB 95) Atropisomers and Their Hydroxylated Metabolites in Female Mice. Chemical Research in Toxicology, 2015, 28, 1774-1783.	1.7	22
147	The Influence of Sensitization on Mechanisms of Organophosphorus Pesticideâ€“Induced Airway Hyperreactivity. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 738-747.	1.4	9
148	Behavioral assessment of NIH Swiss mice acutely intoxicated with tetramethylenedisulfotetramine. Neurotoxicology and Teratology, 2015, 47, 36-45.	1.2	38
149	Longitudinal assessment of occupational exposures to the organophosphorous insecticides chlorpyrifos and profenofos in Egyptian cotton field workers. International Journal of Hygiene and Environmental Health, 2015, 218, 203-211.	2.1	28
150	Using the Morris Water Maze to Assess Spatial Learning and Memory in Weanling Mice. PLoS ONE, 2015, 10, e0124521.	1.1	163
151	The Environmental Neurotoxicant PCB 95 Promotes Synaptogenesis via Ryanodine Receptor-Dependent miR132 Upregulation. Journal of Neuroscience, 2014, 34, 717-725.	1.7	79
152	Microcystins Alter Chemotactic Behavior in Caenorhabditis elegans by Selectively Targeting the AWA Sensory Neuron. Toxins, 2014, 6, 1813-1836.	1.5	11
153	High abundant protein removal from rodent blood for biomarker discovery. Biochemical and Biophysical Research Communications, 2014, 455, 84-89.	1.0	21
154	Post-exposure administration of diazepam combined with soluble epoxide hydrolase inhibition stops seizures and modulates neuroinflammation in a murine model of acute TETS intoxication. Toxicology and Applied Pharmacology, 2014, 281, 185-194.	1.3	29
155	PCB 136 Atropselectively Alters Morphometric and Functional Parameters of Neuronal Connectivity in Cultured Rat Hippocampal Neurons via Ryanodine Receptor-Dependent Mechanisms. Toxicological Sciences, 2014, 138, 379-392.	1.4	66
156	Characterization of Î±-cypermethrin exposure in Egyptian agricultural workers. International Journal of Hygiene and Environmental Health, 2014, 217, 538-545.	2.1	32
157	Cytochrome P450 mRNA Expression in the Rodent Brain: Species-, Sex-, and Region-Dependent Differences. Drug Metabolism and Disposition, 2014, 42, 239-244.	1.7	30
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