

Pamela J Lein

List of Publications by Year in descending order

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244
papers

9,842
citations

30070

54
h-index

58581

82
g-index

252
all docs

252
docs citations

252
times ranked

9100
citing authors

#	ARTICLE	IF	CITATIONS
1	Osteogenic protein-1 induces dendritic growth in rat sympathetic neurons. <i>Neuron</i> , 1995, 15, 597-605.	8.1	242
2	A non-hallucinogenic psychedelic analogue with therapeutic potential. <i>Nature</i> , 2021, 589, 474-479.	27.8	221
3	Minding the calcium store: Ryanodine receptor activation as a convergent mechanism of PCB toxicity. , 2010, 125, 260-285.		205
4	A review of experimental evidence linking neurotoxic organophosphorus compounds and inflammation. <i>NeuroToxicology</i> , 2012, 33, 575-584.	3.0	184
5	Mutant IDH1 and seizures in patients with glioma. <i>Neurology</i> , 2017, 88, 1805-1813.	1.1	167
6	Polyunsaturated fatty acids and fatty acid-derived lipid mediators: Recent advances in the understanding of their biosynthesis, structures, and functions. <i>Progress in Lipid Research</i> , 2022, 86, 101165.	11.6	164
7	Using the Morris Water Maze to Assess Spatial Learning and Memory in Weanling Mice. <i>PLoS ONE</i> , 2015, 10, e0124521.	2.5	163
8	Correlating neurobehavioral performance with biomarkers of organophosphorous pesticide exposure. <i>NeuroToxicology</i> , 2011, 32, 268-276.	3.0	159
9	Chlorpyrifos exerts opposing effects on axonal and dendritic growth in primary neuronal cultures. <i>Toxicology and Applied Pharmacology</i> , 2005, 207, 112-124.	2.8	147
10	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.	6.0	145
11	Developmental Exposure to Polychlorinated Biphenyls Interferes with Experience-Dependent Dendritic Plasticity and Ryanodine Receptor Expression in Weanling Rats. <i>Environmental Health Perspectives</i> , 2009, 117, 426-435.	6.0	143
12	Distinct spatial localization of specific mRNAs in cultured sympathetic neurons. <i>Neuron</i> , 1990, 5, 809-819.	8.1	139
13	Noncholinesterase Mechanisms of Chlorpyrifos Neurotoxicity: Altered Phosphorylation of Ca ²⁺ /cAMP Response Element Binding Protein in Cultured Neurons. <i>Toxicology and Applied Pharmacology</i> , 2002, 182, 176-185.	2.8	131
14	Intravenous Administration of Bone Morphogenetic Protein-7 After Ischemia Improves Motor Function in Stroke Rats. <i>Stroke</i> , 2003, 34, 558-564.	2.0	126
15	Nanoporous Gold as a Neural Interface Coating: Effects of Topography, Surface Chemistry, and Feature Size. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7093-7100.	8.0	123
16	Neurotoxicity of polychlorinated biphenyls and related organohalogenes. <i>Acta Neuropathologica</i> , 2019, 138, 363-387.	7.7	123
17	A primary neural cell culture model to study neuron, astrocyte, and microglia interactions in neuroinflammation. <i>Journal of Neuroinflammation</i> , 2020, 17, 155.	7.2	121
18	Interferon β Induces Retrograde Dendritic Retraction and Inhibits Synapse Formation. <i>Journal of Neuroscience</i> , 2002, 22, 4530-4539.	3.6	119

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19	PCB-95 Promotes Dendritic Growth via Ryanodine Receptor-Dependent Mechanisms. <i>Environmental Health Perspectives</i> , 2012, 120, 997-1002.	6.0	117
20	PCB-95 Modulates the Calcium-Dependent Signaling Pathway Responsible for Activity-Dependent Dendritic Growth. <i>Environmental Health Perspectives</i> , 2012, 120, 1003-1009.	6.0	116
21	Chlorpyrifos-Oxon Disrupts Zebrafish Axonal Growth and Motor Behavior. <i>Toxicological Sciences</i> , 2011, 121, 146-159.	3.1	106
22	Neuronal connectivity as a convergent target of gene-environment interactions that confer risk for Autism Spectrum Disorders. <i>Neurotoxicology and Teratology</i> , 2013, 36, 3-16.	2.4	104
23	Advancing the science of developmental neurotoxicity (DNT): testing for better safety evaluation. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012, 29, 202-215.	1.5	101
24	In vitro and other alternative approaches to developmental neurotoxicity testing (DNT). <i>Environmental Toxicology and Pharmacology</i> , 2005, 19, 735-744.	4.0	99
25	Polychlorinated biphenyls induce caspase-dependent cell death in cultured embryonic rat hippocampal but not cortical neurons via activation of the ryanodine receptor. <i>Toxicology and Applied Pharmacology</i> , 2003, 190, 72-86.	2.8	98
26	DNA methylation: a mechanism linking environmental chemical exposures to risk of autism spectrum disorders?. <i>Environmental Epigenetics</i> , 2016, 2, dvv012.	1.8	96
27	Laminin and a basement membrane extract have different effects on axonal and dendritic outgrowth from embryonic rat sympathetic neurons in vitro. <i>Developmental Biology</i> , 1989, 136, 330-345.	2.0	95
28	Laminin selectively enhances axonal growth and accelerates the development of polarity by hippocampal neurons in culture. <i>Developmental Brain Research</i> , 1992, 69, 191-197.	1.7	94
29	Reference compounds for alternative test methods to indicate developmental neurotoxicity (DNT) potential of chemicals: example lists and criteria for their selection and use. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 49-74.	1.5	94
30	Putative adverse outcome pathways relevant to neurotoxicity. <i>Critical Reviews in Toxicology</i> , 2015, 45, 83-91.	3.9	92
31	Chlorpyrifos and chlorpyrifos-oxon inhibit axonal growth by interfering with the morphogenic activity of acetylcholinesterase. <i>Toxicology and Applied Pharmacology</i> , 2008, 228, 32-41.	2.8	91
32	Consensus statement on the need for innovation, transition and implementation of developmental neurotoxicity (DNT) testing for regulatory purposes. <i>Toxicology and Applied Pharmacology</i> , 2018, 354, 3-6.	2.8	90
33	Mechanisms of Manganese-Induced Rat Pheochromocytoma (PC12) Cell Death and Cell Differentiation. <i>NeuroToxicology</i> , 2002, 23, 147-157.	3.0	89
34	Developmental neurotoxicity testing: recommendations for developing alternative methods for the screening and prioritization of chemicals. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2011, 28, 9-15.	1.5	88
35	Mechanisms of neuronal polarity. <i>Current Opinion in Neurobiology</i> , 1997, 7, 599-604.	4.2	84
36	Translating neurobehavioural endpoints of developmental neurotoxicity tests into in vitro assays and readouts. <i>NeuroToxicology</i> , 2012, 33, 911-924.	3.0	84

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37	Biomarkers of Chlorpyrifos Exposure and Effect in Egyptian Cotton Field Workers. <i>Environmental Health Perspectives</i> , 2011, 119, 801-806.	6.0	83
38	Neurotoxicity in Preclinical Models of Occupational Exposure to Organophosphorus Compounds. <i>Frontiers in Neuroscience</i> , 2016, 10, 590.	2.8	82
39	The Environmental Neurotoxicant PCB 95 Promotes Synaptogenesis via Ryanodine Receptor-Dependent miR132 Upregulation. <i>Journal of Neuroscience</i> , 2014, 34, 717-725.	3.6	79
40	Developmental social communication deficits in the <i>Shank3</i> rat model of phelanâ€mdermid syndrome and autism spectrum disorder. <i>Autism Research</i> , 2018, 11, 587-601.	3.8	78
41	Mechanisms of organophosphate insecticide-induced airway hyperreactivity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 286, L963-L969.	2.9	76
42	Spatiotemporal pattern of neuronal injury induced by DFP in rats: A model for delayed neuronal cell death following acute OP intoxication. <i>Toxicology and Applied Pharmacology</i> , 2011, 253, 261-269.	2.8	75
43	Evidence Implicating Non-Dioxin-Like Congeners as the Key Mediators of Polychlorinated Biphenyl (PCB) Developmental Neurotoxicity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1013.	4.1	74
44	<i>Para-</i> and <i>Ortho-</i> Substitutions Are Key Determinants of Polybrominated Diphenyl Ether Activity toward Ryanodine Receptors and Neurotoxicity. <i>Environmental Health Perspectives</i> , 2011, 119, 519-526.	6.0	73
45	Ontogenetic Alterations in Molecular and Structural Correlates of Dendritic Growth after Developmental Exposure to Polychlorinated Biphenyls. <i>Environmental Health Perspectives</i> , 2007, 115, 556-563.	6.0	72
46	Persistent neuroinflammation and cognitive impairment in a rat model of acute diisopropylfluorophosphate intoxication. <i>Journal of Neuroinflammation</i> , 2016, 13, 267.	7.2	71
47	Developing and applying the adverse outcome pathway concept for understanding and predicting neurotoxicity. <i>NeuroToxicology</i> , 2017, 59, 240-255.	3.0	69
48	Persistent behavior deficits, neuroinflammation, and oxidative stress in a rat model of acute organophosphate intoxication. <i>Neurobiology of Disease</i> , 2020, 133, 104431.	4.4	69
49	PCB 136 Atropselectively Alters Morphometric and Functional Parameters of Neuronal Connectivity in Cultured Rat Hippocampal Neurons via Ryanodine Receptor-Dependent Mechanisms. <i>Toxicological Sciences</i> , 2014, 138, 379-392.	3.1	66
50	Glia Induce Dendritic Growth in Cultured Sympathetic Neurons by Modulating the Balance between Bone Morphogenetic Proteins (BMPs) and BMP Antagonists. <i>Journal of Neuroscience</i> , 2002, 22, 10377-10387.	3.6	64
51	Bone morphogenetic protein-5 (BMP-5) promotes dendritic growth in cultured sympathetic neurons. <i>BMC Neuroscience</i> , 2001, 2, 12.	1.9	63
52	Valid statistical approaches for analyzing sholl data: Mixed effects versus simple linear models. <i>Journal of Neuroscience Methods</i> , 2017, 279, 33-43.	2.5	62
53	Organophosphorus Insecticides Induce Airway Hyperreactivity by Decreasing Neuronal M2 Muscarinic Receptor Function Independent of Acetylcholinesterase Inhibition. <i>Toxicological Sciences</i> , 2004, 83, 166-176.	3.1	60
54	Comparative Analyses of the 12 Most Abundant PCB Congeners Detected in Human Maternal Serum for Activity at the Thyroid Hormone Receptor and Ryanodine Receptor. <i>Environmental Science & Technology</i> , 2019, 53, 3948-3958.	10.0	60

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55	Transient Stimulation with Psychoplastogens Is Sufficient to Initiate Neuronal Growth. ACS Pharmacology and Translational Science, 2021, 4, 452-460.	4.9	60
56	Leukemia Inhibitory Factor and Ciliary Neurotrophic Factor Cause Dendritic Retraction in Cultured Rat Sympathetic Neurons. Journal of Neuroscience, 1999, 19, 2113-2121.	3.6	59
57	Chlorpyrifos exposures in Egyptian cotton field workers. NeuroToxicology, 2010, 31, 297-304.	3.0	58
58	The Novel GTPase Rit Differentially Regulates Axonal and Dendritic Growth. Journal of Neuroscience, 2007, 27, 4725-4736.	3.6	55
59	2,2,3,5,6-Pentachlorobiphenyl (PCB 95) and Its Hydroxylated Metabolites Are Enantiomerically Enriched in Female Mice. Environmental Science & Technology, 2012, 46, 11393-11401.	10.0	55
60	Neuregulin-1 inhibits neuroinflammatory responses in a rat model of organophosphate-nerve agent-induced delayed neuronal injury. Journal of Neuroinflammation, 2015, 12, 64.	7.2	54
61	Nanoporous Gold Biointerfaces: Modifying Nanostructure to Control Neural Cell Coverage and Enhance Electrophysiological Recording Performance. Advanced Functional Materials, 2017, 27, 1604631.	14.9	52
62	Detection of 3,3-Dichlorobiphenyl in Human Maternal Plasma and Its Effects on Axonal and Dendritic Growth in Primary Rat Neurons. Toxicological Sciences, 2017, 158, 401-411.	3.1	52
63	Acute Hippocampal Slice Preparation and Hippocampal Slice Cultures. Methods in Molecular Biology, 2011, 758, 115-134.	0.9	51
64	Repeated exposure to neurotoxic levels of chlorpyrifos alters hippocampal expression of neurotrophins and neuropeptides. Toxicology, 2016, 340, 53-62.	4.2	51
65	Identification of Psychoplastogenic <i>N,N</i> -Dimethylaminoisotryptamine (isoDMT) Analogues through Structure-Activity Relationship Studies. Journal of Medicinal Chemistry, 2020, 63, 1142-1155.	6.4	49
66	Developmental exposure to polychlorinated biphenyls (PCBs) in the maternal diet causes host-microbe defects in weanling offspring mice. Environmental Pollution, 2019, 253, 708-721.	7.5	47
67	Expression of bone morphogenetic proteins in the brain during normal aging and in 6-hydroxydopamine-lesioned animals. Brain Research, 2003, 994, 81-90.	2.2	46
68	Immunologic and neurodevelopmental susceptibilities of autism. NeuroToxicology, 2008, 29, 532-545.	3.0	46
69	Statins Decrease Expression of the Proinflammatory Neuropeptides Calcitonin Gene-Related Peptide and Substance P in Sensory Neurons. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 1172-1180.	2.5	46
70	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 (<i>Menidia beryllina</i>). Aquatic Toxicology, 2019, 206, 1-13.	4.0	46
71	In vivo and in vitro sex differences in the dendritic morphology of developing murine hippocampal and cortical neurons. Scientific Reports, 2017, 7, 8486.	3.3	45
72	Dendritic growth induced by BMP-7 requires Smad1 and proteasome activity. Journal of Neurobiology, 2001, 48, 120-130.	3.6	44

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73	Statins decrease dendritic arborization in rat sympathetic neurons by blocking RhoA activation. <i>Journal of Neurochemistry</i> , 2009, 108, 1057-1071.	3.9	44
74	Ontogeny of biochemical, morphological and functional parameters of synaptogenesis in primary cultures of rat hippocampal and cortical neurons. <i>Molecular Brain</i> , 2015, 8, 10.	2.6	44
75	BDE-99 impairs differentiation of human and mouse NPCs into the oligodendroglial lineage by species-specific modes of action. <i>Scientific Reports</i> , 2017, 7, 44861.	3.3	44
76	The developmental neurotoxicity of legacy vs. contemporary polychlorinated biphenyls (PCBs): similarities and differences. <i>Environmental Science and Pollution Research</i> , 2020, 27, 8885-8896.	5.3	44
77	Editor's Highlight: Spatiotemporal Progression and Remission of Lesions in the Rat Brain Following Acute Intoxication With Diisopropylfluorophosphate. <i>Toxicological Sciences</i> , 2017, 157, 330-341.	3.1	43
78	THE EFFECTS OF EXTRACELLULAR MATRIX AND OSTEOGENIC PROTEIN-1 ON THE MORPHOLOGICAL DIFFERENTIATION OF RAT SYMPATHETIC NEURONS. <i>International Journal of Developmental Neuroscience</i> , 1996, 14, 203-215.	1.6	42
79	Tetramethylenedisulfotetramine Alters Ca ²⁺ Dynamics in Cultured Hippocampal Neurons: Mitigation by NMDA Receptor Blockade and GABA _A Receptor-Positive Modulation. <i>Toxicological Sciences</i> , 2012, 130, 362-372.	3.1	42
80	Cross-Talk between Fibroblast Growth Factor and Bone Morphogenetic Proteins Regulates Gap Junction-mediated Intercellular Communication in Lens Cells. <i>Molecular Biology of the Cell</i> , 2008, 19, 2631-2641.	2.1	41
81	Characterization of Seizures Induced by Acute and Repeated Exposure to Tetramethylenedisulfotetramine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 341, 435-446.	2.5	41
82	Bifenthrin causes transcriptomic alterations in mTOR and ryanodine receptor-dependent signaling and delayed hyperactivity in developing zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2018, 200, 50-61.	4.0	41
83	Effects of early life exposure to traffic-related air pollution on brain development in juvenile Sprague-Dawley rats. <i>Translational Psychiatry</i> , 2020, 10, 166.	4.8	41
84	Animal models of autism spectrum disorders: Information for neurotoxicologists. <i>NeuroToxicology</i> , 2009, 30, 811-821.	3.0	40
85	Organophosphorus Pesticides Decrease M2 Muscarinic Receptor Function in Guinea Pig Airway Nerves via Indirect Mechanisms. <i>PLoS ONE</i> , 2010, 5, e10562.	2.5	40
86	Mechanisms of organophosphate neurotoxicity. <i>Current Opinion in Toxicology</i> , 2021, 26, 49-60.	5.0	40
87	Manganese induces neurite outgrowth in PC12 cells via upregulation of α v integrins. <i>Brain Research</i> , 2000, 885, 220-230.	2.2	39
88	Neuregulin-1 is neuroprotective in a rat model of organophosphate-induced delayed neuronal injury. <i>Toxicology and Applied Pharmacology</i> , 2012, 262, 194-204.	2.8	39
89	Teratological and Behavioral Screening of the National Toxicology Program 91-Compound Library in Zebrafish (<i>Danio rerio</i>). <i>Toxicological Sciences</i> , 2019, 167, 77-91.	3.1	39
90	Behavioral assessment of NIH Swiss mice acutely intoxicated with tetramethylenedisulfotetramine. <i>Neurotoxicology and Teratology</i> , 2015, 47, 36-45.	2.4	38

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91	Effects of thyroid hormone disruption on the ontogenetic expression of thyroid hormone signaling genes in developing zebrafish (<i>Danio rerio</i>). <i>General and Comparative Endocrinology</i> , 2019, 272, 20-32.	1.8	38
92	Polychlorinated Biphenyls (PCBs): Risk Factors for Autism Spectrum Disorder?. <i>Toxics</i> , 2020, 8, 70.	3.7	38
93	Extracellular Signal-Regulated Kinases Regulate Dendritic Growth in Rat Sympathetic Neurons. <i>Journal of Neuroscience</i> , 2004, 24, 3304-3312.	3.6	37
94	Epoxyeicosatrienoic acids enhance axonal growth in primary sensory and cortical neuronal cell cultures. <i>Journal of Neurochemistry</i> , 2011, 117, no-no.	3.9	37
95	Metabolism of 2,2,3,3,6,6-hexachlorobiphenyl (PCB 136) atropisomers in tissue slices from phenobarbital or dexamethasone-induced rats is sex-dependent. <i>Xenobiotica</i> , 2013, 43, 933-947.	1.1	37
96	Mechanisms of organophosphorus pesticide toxicity in the context of airway hyperreactivity and asthma. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L485-L501.	2.9	36
97	Antigen Sensitization Influences Organophosphorus Pesticide-Induced Airway Hyperreactivity. <i>Environmental Health Perspectives</i> , 2008, 116, 381-388.	6.0	35
98	Dichlorvos exposure results in large scale disruption of energy metabolism in the liver of the zebrafish, <i>Danio rerio</i> . <i>BMC Genomics</i> , 2015, 16, 853.	2.8	35
99	Susceptibility of larval zebrafish to the seizurogenic activity of GABA type A receptor antagonists. <i>NeuroToxicology</i> , 2020, 76, 220-234.	3.0	35
100	The Effects of Chronic Exposure to Ambient Traffic-Related Air Pollution on Alzheimer's Disease Phenotypes in Wildtype and Genetically Predisposed Male and Female Rats. <i>Environmental Health Perspectives</i> , 2021, 129, 57005.	6.0	35
101	Effect of leukemia inhibitory factor (LIF) on the morphology and survival of cultured hippocampal neurons and glial cells. <i>Brain Research</i> , 1998, 798, 140-146.	2.2	33
102	Hepatic Metabolism Affects the Atropselective Disposition of 2,2,3,3,6,6-Hexachlorobiphenyl (PCB 136) in Mice. <i>Environmental Science & Technology</i> , 2015, 49, 616-625.	10.0	33
103	Translational toxicology in zebrafish. <i>Current Opinion in Toxicology</i> , 2020, 23-24, 56-66.	5.0	33
104	Characterization of $\hat{\pm}$ -cypermethrin exposure in Egyptian agricultural workers. <i>International Journal of Hygiene and Environmental Health</i> , 2014, 217, 538-545.	4.3	32
105	Leukemia inhibitory factor and ciliary neurotrophic factor regulate dendritic growth in cultures of rat sympathetic neurons. <i>Developmental Brain Research</i> , 1997, 104, 101-110.	1.7	31
106	Cytochrome P450 mRNA Expression in the Rodent Brain: Species-, Sex-, and Region-Dependent Differences. <i>Drug Metabolism and Disposition</i> , 2014, 42, 239-244.	3.3	30
107	From the Cover: Magnetic Resonance Imaging Reveals Progressive Brain Injury in Rats Acutely Intoxicated With Diisopropylfluorophosphate. <i>Toxicological Sciences</i> , 2017, 157, 342-353.	3.1	30
108	Developmental exposure to silver nanoparticles at environmentally relevant concentrations alters swimming behavior in zebrafish (<i>Danio rerio</i>). <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 3018-3024.	4.3	30

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109	Spatiotemporal patterns of GFAP upregulation in rat brain following acute intoxication with diisopropylfluorophosphate (DFP). <i>Current Neurobiology</i> , 2012, 3, 90-97.	1.0	30
110	Macrophage TNF- α mediates parathion-induced airway hyperreactivity in guinea pigs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 304, L519-L529.	2.9	29
111	Post-exposure administration of diazepam combined with soluble epoxide hydrolase inhibition stops seizures and modulates neuroinflammation in a murine model of acute TETS intoxication. <i>Toxicology and Applied Pharmacology</i> , 2014, 281, 185-194.	2.8	29
112	Rapid Throughput Analysis Demonstrates that Chemicals with Distinct Seizurogenic Mechanisms Differentially Alter Ca ²⁺ Dynamics in Networks Formed by Hippocampal Neurons in Culture. <i>Molecular Pharmacology</i> , 2015, 87, 595-605.	2.3	29
113	Translational outcomes relevant to neurodevelopmental disorders following early life exposure of rats to chlorpyrifos. <i>Journal of Neurodevelopmental Disorders</i> , 2020, 12, 40.	3.1	29
114	Rit signaling contributes to interferon- β -induced dendritic retraction via p38 mitogen-activated protein kinase activation. <i>Journal of Neurochemistry</i> , 2008, 107, 1436-1447.	3.9	28
115	Longitudinal assessment of occupational exposures to the organophosphorous insecticides chlorpyrifos and profenofos in Egyptian cotton field workers. <i>International Journal of Hygiene and Environmental Health</i> , 2015, 218, 203-211.	4.3	28
116	Dental Pulp Stem Cells Model Early Life and Imprinted DNA Methylation Patterns. <i>Stem Cells</i> , 2017, 35, 981-988.	3.2	28
117	Editor's Highlight: Congener-Specific Disposition of Chiral Polychlorinated Biphenyls in Lactating Mice and Their Offspring: Implications for PCB Developmental Neurotoxicity. <i>Toxicological Sciences</i> , 2017, 158, 101-115.	3.1	28
118	Placenta and fetal brain share a neurodevelopmental disorder DNA methylation profile in a mouse model of prenatal PCB exposure. <i>Cell Reports</i> , 2022, 38, 110442.	6.4	27
119	Oxygen Tension Modulates Differentiation and Primary Macrophage Functions in the Human Monocytic THP-1 Cell Line. <i>PLoS ONE</i> , 2013, 8, e54926.	2.5	26
120	Experimental strategy for translational studies of organophosphorus pesticide neurotoxicity based on real-world occupational exposures to chlorpyrifos. <i>NeuroToxicology</i> , 2012, 33, 660-668.	3.0	25
121	Reactive oxygen species are involved in BMP-induced dendritic growth in cultured rat sympathetic neurons. <i>Molecular and Cellular Neurosciences</i> , 2015, 67, 116-125.	2.2	25
122	A magnetic resonance imaging study of early brain injury in a rat model of acute DFP intoxication. <i>NeuroToxicology</i> , 2018, 66, 170-178.	3.0	25
123	PCB 95 promotes dendritic growth in primary rat hippocampal neurons via mTOR-dependent mechanisms. <i>Archives of Toxicology</i> , 2018, 92, 3163-3173.	4.2	25
124	A national toxicology program systematic review of the evidence for long-term effects after acute exposure to sarin nerve agent. <i>Critical Reviews in Toxicology</i> , 2020, 50, 474-490.	3.9	25
125	Protein synthesis is required for the initiation of dendritic growth in embryonic rat sympathetic neurons in vitro. <i>Developmental Brain Research</i> , 1991, 60, 187-196.	1.7	24
126	Models to identify treatments for the acute and persistent effects of seizure-inducing chemical threat agents. <i>Annals of the New York Academy of Sciences</i> , 2016, 1378, 124-136.	3.8	24

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127	Linoleic acid-derived metabolites constitute the majority of oxylipins in the rat pup brain and stimulate axonal growth in primary rat cortical neuron-glia co-cultures in a sex-dependent manner. <i>Journal of Neurochemistry</i> , 2020, 152, 195-207.	3.9	24
128	Developmental Exposure to Polychlorinated Biphenyls Influences Stroke Outcome in Adult Rats. <i>Environmental Health Perspectives</i> , 2008, 116, 474-480.	6.0	23
129	Allele and Genotype Frequencies of CYP2B6 and CYP2C19 Polymorphisms in Egyptian Agricultural Workers. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012, 75, 232-241.	2.3	23
130	Metabolism of profenofos to 4-bromo-2-chlorophenol, a specific and sensitive exposure biomarker. <i>Toxicology</i> , 2013, 306, 35-39.	4.2	23
131	Combined treatment with diazepam and allopregnanolone reverses tetramethylenedisulfotetramine (TETS)-induced calcium dysregulation in cultured neurons and protects TETS-intoxicated mice against lethal seizures. <i>Neuropharmacology</i> , 2015, 95, 332-342.	4.1	23
132	3,3-Dichlorobiphenyl (PCB 11) promotes dendritic arborization in primary rat cortical neurons via a CREB-dependent mechanism. <i>Archives of Toxicology</i> , 2018, 92, 3337-3345.	4.2	23
133	Acute peripheral immune activation alters cytokine expression and glial activation in the early postnatal rat brain. <i>Journal of Neuroinflammation</i> , 2019, 16, 200.	7.2	23
134	Effect of Pregnancy on the Disposition of 2,2,3,5,6-Pentachlorobiphenyl (PCB 95) Atropisomers and Their Hydroxylated Metabolites in Female Mice. <i>Chemical Research in Toxicology</i> , 2015, 28, 1774-1783.	3.3	22
135	Species and Sex Differences in the Morphogenic Response of Primary Rodent Neurons to 3,3-Dichlorobiphenyl (PCB 11). <i>Toxics</i> , 2018, 6, 4.	3.7	22
136	Pathological Cardiopulmonary Evaluation of Rats Chronically Exposed to Traffic-Related Air Pollution. <i>Environmental Health Perspectives</i> , 2020, 128, 127003.	6.0	22
137	High abundant protein removal from rodent blood for biomarker discovery. <i>Biochemical and Biophysical Research Communications</i> , 2014, 455, 84-89.	2.1	21
138	Organophosphorus Pesticides Induce Cytokine Release from Differentiated Human THP1 Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 620-630.	2.9	21
139	Developmental exposure to near roadway pollution produces behavioral phenotypes relevant to neurodevelopmental disorders in juvenile rats. <i>Translational Psychiatry</i> , 2020, 10, 289.	4.8	21
140	Acute administration of diazepam or midazolam minimally alters long-term neuropathological effects in the rat brain following acute intoxication with diisopropylfluorophosphate. <i>European Journal of Pharmacology</i> , 2020, 886, 173538.	3.5	21
141	Pharmacokinetics and pharmacodynamics of chlorpyrifos in adult male Long-Evans rats following repeated subcutaneous exposure to chlorpyrifos. <i>Toxicology</i> , 2011, 287, 137-144.	4.2	20
142	Phenobarbital use and neurological problems in FMR1 premutation carriers. <i>NeuroToxicology</i> , 2016, 53, 141-147.	3.0	20
143	Opportunities and challenges for using the zebrafish to study neuronal connectivity as an endpoint of developmental neurotoxicity. <i>NeuroToxicology</i> , 2018, 67, 102-111.	3.0	20
144	Fc gamma receptors are expressed in the developing rat brain and activate downstream signaling molecules upon cross-linking with immune complex. <i>Journal of Neuroinflammation</i> , 2018, 15, 7.	7.2	20

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