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Extrapolating brain development from experimental species to humans

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#	Paper	IF	Citations
693	Age-dependent effects of neonatal methamphetamine exposure on spatial learning. 2007 , 18, 549-62		36
692	17beta-estradiol protects the neonatal brain from hypoxia-ischemia. 2007 , 208, 269-76		37
691	Developmental exposure to terbutaline and chlorpyrifos, separately or sequentially, elicits presynaptic serotonergic hyperactivity in juvenile and adolescent rats. 2007 , 73, 301-9		36
690	Phylogenetic proximity revealed by neurodevelopmental event timings. 2008 , 6, 71-9		6
689	(+)-Methamphetamine increases corticosterone in plasma and BDNF in brain more than forced swim or isolation in neonatal rats. 2008 , 62, 110-21		42
688	Aging-dependent changes in the radiation response of the adult rat brain. 2008 , 70, 826-34		79
687	An assessment of the effects of general anesthetics on developing brain structure and neurocognitive function. <i>Anesthesia and Analgesia</i> , 2008 , 106, 1681-707	3.9	350
686	Respiratory rhythm of brainstem-spinal cord preparations: Effects of maturation, age, mass and oxygenation. 2008 , 164, 429-40		12
685	Effects of neonatal (+)-methamphetamine on path integration and spatial learning in rats: effects of dose and rearing conditions. <i>International Journal of Developmental Neuroscience</i> , 2008 , 26, 599-610	2.7	61
684	Retardation in somatosensory cortex development induced by postnatal BrdU treatment in mice. <i>International Journal of Developmental Neuroscience</i> , 2008 , 26, 713-21	2.7	1
683	Response to neonatal anesthesia: effect of sex on anatomical and behavioral outcome. 2008 , 152, 959-69		55
682	A preliminary study of sleep ontogenesis in the ferret (<i>Mustela putorius furo</i>). 2008 , 189, 41-51		24
681	CON: The toxic effects of anesthetics in the developing brain: the clinical perspective. <i>Anesthesia and Analgesia</i> , 2008 , 106, 1664-9	3.9	75
680	Developmental effects of 3,4-methylenedioxymethamphetamine: a review. 2008 , 19, 91-111		51
679	Strategies and experimental models for evaluating anesthetics: effects on the developing nervous system. <i>Anesthesia and Analgesia</i> , 2008 , 106, 1643-58	3.9	84
678	Cross-species analyses of the cortical GABAergic and subplate neural populations. 2009 , 3, 20		29
677	A unifying model for timing of walking onset in humans and other mammals. 2009 , 106, 21889-93		52

676	Interaction between environmental and genetic factors modulates schizophrenic endophenotypes in the Snap-25 mouse mutant blind-drunk. 2009 , 18, 4576-89		61
675	Neonatal stress or morphine treatment alters adult mouse conditioned place preference. 2009 , 95, 230-9		50
674	(+/-)3,4-Methylenedioxyamphetamine (MDMA) dose-dependently impairs spatial learning in the morris water maze after exposure of rats to different five-day intervals from birth to postnatal day twenty. <i>Developmental Neuroscience</i> , 2009 , 31, 107-20	2.2	27
673	Oligodendrocyte development and the onset of myelination in the human fetal brain. 2009 , 3, 5		178
672	The "window of susceptibility" for inflammation in the immature central nervous system is characterized by a leaky blood-brain barrier and the local expression of inflammatory chemokines. 2009 , 35, 368-75		15
671	Toxicogenomics in human health risk assessment. 2009 , 236, 254-6; author reply 257-60		4
670	In-vivo rodent models for the experimental investigation of prenatal immune activation effects in neurodevelopmental brain disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2009 , 33, 1061-79	9	266
669	Comparison of the developmental effects of 5-methoxy-N,N-diisopropyltryptamine (Foxy) to (+/-)-3,4-methylenedioxyamphetamine (ecstasy) in rats. 2009 , 204, 287-97		22
668	Caffeine in the neonatal period induces long-lasting changes in sleep and breathing in adult rats. 2009 , 587, 5493-507		16
667	Age-dependent regenerative responses in the striatum and cortex after hypoxia-ischemia. 2009 , 29, 342-54		38
666	Prenatal exposure to drugs: effects on brain development and implications for policy and education. 2009 , 10, 303-12		250
665	Neural precursor cell cultures from GM2 gangliosidosis animal models recapitulate the biochemical and molecular hallmarks of the brain pathology. 2009 , 109, 135-47		34
664	Paradoxical effects of the hypnotic Zolpidem in the neonatal ferret. 2009 , 201, 233-6		36
663	Why "late equals large" does not work. 2009 , 164, 1648-52		6
662	Effects of (+)-methamphetamine on path integration and spatial learning, but not locomotor activity or acoustic startle, align with the stress hypo-responsive period in rats. <i>International Journal of Developmental Neuroscience</i> , 2009 , 27, 289-98	2.7	38
661	Late embryonic exposure to all-trans retinoic acid induces a pattern of motor deficits unrelated to the developmental stage. <i>NeuroToxicology</i> , 2009 , 30, 1120-6	4.4	5
660	Chronic hyperhomocysteinemia alters antioxidant defenses and increases DNA damage in brain and blood of rats: protective effect of folic acid. 2009 , 54, 7-13		69
659	Is anesthesia bad for the newborn brain?. <i>Anesthesiology Clinics</i> , 2009 , 27, 269-84	2.3	18

658	Ontogeny of substantia nigra dopamine neurons. 2009 , 3-18		1
657	Prenatal chlorpyrifos exposure alters motor behavior and ultrasonic vocalization in CD-1 mouse pups. 2009 , 8, 12		54
656	Current world literature. 2009 , 22, 447-56		
655	The effects of neonatal isoflurane exposure in mice on brain cell viability, adult behavior, learning, and memory. <i>Anesthesia and Analgesia</i> , 2009 , 108, 90-104	3.9	198
654	Disruption of the neurogenic niche in the subventricular zone of postnatal hydrocephalic hyh mice. 2009 , 68, 1006-20		46
653	Developmental neurotoxicity of sedatives and anesthetics: a concern for neonatal and pediatric critical care medicine?. 2010 , 11, 217-26		91
652	Long-term effects of methamphetamine exposure on cognitive function and muscarinic acetylcholine receptor levels in mice. 2010 , 21, 602-14		31
651	ttime: an R package for translating the timing of brain development across mammalian species. 2010 , 8, 201-5		8
650	Mammalian wildlife as complementary models in environmental neurotoxicology. 2010 , 32, 114-9		33
649	Neonatal methamphetamine-induced corticosterone release in rats is inhibited by adrenal autotransplantation without altering the effect of the drug on hippocampal serotonin. 2010 , 32, 356-61		6
648	Pharmacokinetics of bisphenol A in neonatal and adult rhesus monkeys. 2010 , 248, 1-11		86
647	The impact of the perioperative period on neurocognitive development, with a focus on pharmacological concerns. 2010 , 24, 433-49		44
646	Prenatal stress and brain development. 2010 , 65, 56-79		398
645	Juvenile animal testing in drug development--is it useful?. 2010 , 57, 291-9		31
644	Activation and deactivation of periventricular white matter phagocytes during postnatal mouse development. 2010 , 58, 11-28		80
643	In Vivo Systems: Animal Models of Neurodegeneration. 2010 , 399-413		
642	The effect of sevoflurane on neuronal degeneration and GABAA subunit composition in a developing rat model of organotypic hippocampal slice cultures. 2010 , 22, 220-9		17
641	Late prenatal immune activation in mice leads to behavioral and neurochemical abnormalities relevant to the negative symptoms of schizophrenia. <i>Neuropsychopharmacology</i> , 2010 , 35, 2462-78	8.7	178

640	Use of analgesic and sedative drugs in the NICU: integrating clinical trials and laboratory data. <i>Pediatric Research</i> , 2010 , 67, 117-27	3.2	102
639	Models of neurodevelopmental abnormalities in schizophrenia. 2010 , 4, 435-81		51
638	Maternal influenza infection during pregnancy impacts postnatal brain development in the rhesus monkey. 2010 , 67, 965-73		128
637	Sex differences in the effects of cocaine abuse across the life span. 2010 , 100, 208-15		23
636	Fetal asphyxia leads to the loss of striatal presynaptic boutons in adult rats. <i>International Journal of Developmental Neuroscience</i> , 2010 , 28, 277-81	2.7	2
635	Hyperhomocysteinemia reduces glutamate uptake in parietal cortex of rats. <i>International Journal of Developmental Neuroscience</i> , 2010 , 28, 183-7	2.7	15
634	Effects of inhibiting neonatal methamphetamine-induced corticosterone release in rats by adrenal autotransplantation on later learning, memory, and plasma corticosterone levels. <i>International Journal of Developmental Neuroscience</i> , 2010 , 28, 331-42	2.7	15
633	Effects of maternal food restriction on physical growth and neurobehavior in newborn Wistar rats. 2010 , 83, 1-8		24
632	Effects of prenatal infection on brain development and behavior: a review of findings from animal models. 2010 , 24, 881-97		445
631	Fetal asphyctic preconditioning protects against perinatal asphyxia-induced behavioral consequences in adulthood. 2010 , 208, 343-51		32
630	Epidemiology-driven neurodevelopmental animal models of schizophrenia. 2010 , 90, 285-326		288
629	MDMA (ecstasy) delays pubertal development and alters sperm quality after developmental exposure in the rat. 2010 , 197, 135-42		15
628	ABCB1 and ABCG2 expression in the placenta and fetus: an interspecies comparison. 2010 , 6, 1385-98		22
627	Behavioral Neurobiology of Schizophrenia and Its Treatment. 2010 ,		6
626	Are anaesthetics toxic to the brain?. 2011 , 107, 30-7		117
625	Physiologically based pharmacokinetic modeling of fetal and neonatal manganese exposure in humans: describing manganese homeostasis during development. 2011 , 122, 297-316		80
624	15 Prenatal infections and long-term mental outcome: Modeling schizophrenia-related dysfunctions using the prenatal PolyI:C model in mice. 2011 ,		
623	Developmental neurotoxicity of abused drugs. 2011 , 341-353		1

622	Brain enlargement and increased behavioral and cytokine reactivity in infant monkeys following acute prenatal endotoxemia. 2011 , 219, 108-15		69
621	Long-term effects of neonatal methamphetamine exposure on cognitive function in adolescent mice. 2011 , 219, 159-64		15
620	Anesthetic neurotoxicity in babies. 2011 , 15, 515-7		4
619	Season of birth in schizophrenia: a maternal-fetal chronobiological hypothesis. 2011 , 76, 785-93		18
618	Neonatal methylphenidate does not impair adult spatial learning in the Morris water maze in rats. 2011 , 502, 152-6		7
617	WITHDRAWN. Neurological assessments after treatment with the antimalarial α -arteether in neonatal and adult rats. <i>NeuroToxicology</i> , 2011 , 32, 423-31	4.4	
616	Neurological assessments after treatment with the antimalarial α -arteether in neonatal and adult rats. <i>NeuroToxicology</i> , 2011 , 32, 432-40	4.4	2
615	Pre- and/or postnatal protein restriction in rats impairs learning and motivation in male offspring. <i>International Journal of Developmental Neuroscience</i> , 2011 , 29, 177-82	2.7	30
614	Rebound increase in seizure susceptibility but not isolation-induced calls after single administration of clonazepam and Ro 19-8022 in infant rats. 2011 , 20, 12-9		5
613	The richness of social stimuli shapes developmental trajectories: Are laboratory mouse pups impoverished?. 2011 , 35, 1452-60		13
612	The glutaminergic, GABAergic, dopaminergic but not cholinergic neurons are susceptible to anaesthesia-induced cell death in the rat developing brain. 2011 , 174, 64-70		31
611	Impact of methamphetamine on dopamine neurons in primates is dependent on age: implications for development of Parkinson's disease. 2011 , 189, 277-85		43
610	Neonatal fluoxetine exposure affects the action potential properties and dendritic development in cortical subplate neurons of rats. 2011 , 207, 314-21		22
609	Developmental Stage-dependent persistent impact of propofol anesthesia on dendritic spines in the rat medial prefrontal cortex. 2011 , 115, 282-93		170
608	Anesthetic drugs and the developing fetal brain. 72-85		
607	Current Needs for New Therapeutic Agents and Discovery Strategies – Systems Pharmacology Approach. 2011 , 1		
606	Causes and consequences of expanded subventricular zones. 2011 , 34, 988-93		21
605	Methamphetamine exposure during brain development alters the brain acetylcholine system in adolescent mice. 2011 , 119, 89-99		11

604	Translational issues for prenatal cocaine studies and the role of environment. 2011 , 33, 9-16	21
603	Behavioral consequences of the mGlu5 receptor antagonist MTEP in immature rats. <i>Pharmacology Biochemistry and Behavior</i> , 2011 , 99, 619-25	3-9 5
602	The role of non-human primates in the neurological safety of live viral vaccines (review). 2011 , 39, 1-8	4
601	Astrocyte precursor response to embryonic brain injury. 2011 , 1389, 35-49	19
600	Reactive astrocytosis in feline neonatal hydrocephalus: acute, chronic, and shunt-induced changes. 2011 , 27, 2067-76	28
599	Reduced ventricular proliferation in the foetal cortex following maternal inflammation in the mouse. 2011 , 134, 3236-48	49
598	Susceptibility genes for schizophrenia: mutant models, endophenotypes and psychobiology. 2012 , 12, 209-50	4
597	Mouse models of the 5-HTTLPR β stress risk factor for depression. 2012 , 12, 59-72	16
596	Nicotine exposure during the third trimester equivalent of human gestation: time course of effects on the central cholinergic system of rats. 2011 , 123, 144-54	20
595	Breast cancer-resistance protein (BCRP1) in the fetal mouse brain: development and glucocorticoid regulation. 2011 , 84, 783-9	11
594	Specific regulation of NRG1 isoform expression by neuronal activity. 2011 , 31, 8491-501	111
593	Functional development of large-scale sensorimotor cortical networks in the brain. 2011 , 31, 9574-84	42
592	Maternal influenza viral infection causes schizophrenia-like alterations of 5-HT α and mGlu β receptors in the adult offspring. 2011 , 31, 1863-72	91
591	Efficacy and adverse effects of ketamine as an additive for paediatric caudal anaesthesia: a quantitative systematic review of randomized controlled trials. 2011 , 107, 601-11	53
590	THE Π TIMED Π PACKAGE: PERFORMANCE EVALUATION IN A CLUSTER COMPUTING ENVIRONMENT. 2011 ,	
589	Early life adversity as a risk factor for fibromyalgia in later life. 2012 , 2012, 140832	50
588	Obesity and endocrine dysfunction programmed by maternal smoking in pregnancy and lactation. 2012 , 3, 437	38
587	Advanced pre-clinical research approaches and models to studying pediatric anesthetic neurotoxicity. 2012 , 3, 142	11

586	Preclinical research into the effects of anesthetics on the developing brain: promises and pitfalls. 2012 , 24, 362-7		24
585	Perioperative central nervous system injury in neonates. 2012 , 109 Suppl 1, i60-i67		39
584	Effects of anesthetics, sedatives, and opioids on ventilatory control. 2012 , 2, 2281-367		12
583	Effects of morphine on the differentiation and survival of developing pyramidal neurons during the brain growth spurt. 2012 , 130, 168-79		20
582	Can anaesthetic technique effect postoperative outcome?. 2012 , 25, 185-98		47
581	Distinct periods of developmental sensitivity to the effects of 3,4(-)-methylenedioxymethamphetamine (MDMA) on behaviour and monoamines in rats. 2012 , 15, 811-24		6
580	Are anesthesia and surgery during infancy associated with altered academic performance during childhood?. 2012 , 117, 494-503		146
579	General anesthesia: a gateway to modulate synapse formation and neural plasticity?. <i>Anesthesia and Analgesia</i> , 2012 , 115, 1174-82	3.9	42
578	General anesthetics in pediatric anesthesia: influences on the developing brain. 2012 , 13, 944-51		58
577	Copper Transporting P-Type ATPases in the Brain. 2012 , 149-180		
576	Developmental neurotoxicity guideline study: issues with methodology, evaluation and regulation. 2012 , 52, 122-8		55
575	Anesthetics and the developing brain: time for a change in practice? A pro/con debate. 2012 , 22, 973-80		34
574	Neuraxial analgesia in neonates and infants: a review of clinical and preclinical strategies for the development of safety and efficacy data. <i>Anesthesia and Analgesia</i> , 2012 , 115, 638-62	3.9	61
573	Sensory and motor characterization in the postnatal valproate rat model of autism. <i>Developmental Neuroscience</i> , 2012 , 34, 258-67	2.2	40
572	Effect of delayed intermittent ventricular drainage on ventriculomegaly and neurological deficits in experimental neonatal hydrocephalus. 2012 , 28, 1849-61		11
571	Sex and steroid hormones in early brain injury. 2012 , 13, 173-86		14
570	Neural development, a risky period. 2012 , 237, 43-5		2
569	Neonatal caffeine treatment up-regulates adenosine receptors in brainstem and hypothalamic cardio-respiratory related nuclei of rat pups. 2012 , 237, 247-59		28

568	Postnatal exposure to trichloroethylene alters glutathione redox homeostasis, methylation potential, and neurotrophin expression in the mouse hippocampus. <i>NeuroToxicology</i> , 2012 , 33, 1518-1527	4.4	20
567	To poly(I:C) or not to poly(I:C): advancing preclinical schizophrenia research through the use of prenatal immune activation models. <i>Neuropharmacology</i> , 2012 , 62, 1308-21	5.5	178
566	Strategies to defeat ketamine-induced neonatal brain injury. 2012 , 210, 384-92		36
565	Early-life stress mediated modulation of adult neurogenesis and behavior. 2012 , 227, 400-9		141
564	Effects of neonatal methamphetamine and thioperamide exposure on spatial memory retention and circadian activity later in life. 2012 , 230, 229-36		7
563	Maternal immune activation by poly I:C induces expression of cytokines IL-1 β and IL-13, chemokine MCP-1 and colony stimulating factor VEGF in fetal mouse brain. 2012 , 9, 83		92
562	Evidence that AKT and GSK-3 β pathway are involved in acute hyperhomocysteinemia. <i>International Journal of Developmental Neuroscience</i> , 2012 , 30, 369-74	2.7	9
561	Development of human locomotion. 2012 , 22, 822-8		62
560	A role for NT-3 in the hyperinnervation of neonatally wounded skin. 2012 , 153, 2133-2139		29
559	Exposure to dexamethasone during late gestation causes female-specific decreases in core body temperature and prepro-thyrotropin-releasing hormone expression in the paraventricular nucleus of the hypothalamus in rats. 2012 , 108, 6-12		16
558	Anesthetic-related neurotoxicity and the developing brain: shall we change practice?. 2012 , 14, 13-21		20
557	Neural substrates of childhood anxiety disorders: a review of neuroimaging findings. 2012 , 21, 501-25		101
556	Development of the GABAergic system from birth to adolescence. 2012 , 18, 613-30		103
555	Hyperactivity, increased nicotine consumption and impaired performance in the five-choice serial reaction time task in adolescent rats prenatally exposed to nicotine. 2012 , 223, 401-15		43
554	Compound selection for in vitro modeling of developmental neurotoxicity. 2012 , 17, 2442-60		57
553	Mesenchymal stem cells restore cortical rewiring after neonatal ischemia in mice. 2012 , 71, 785-96		48
552	Neonatal fluoxetine exposure alters motor performances of adolescent rats. 2012 , 72, 1122-32		37
551	Neonatal administration with dexmedetomidine does not impair the rat hippocampal synaptic plasticity later in adulthood. 2012 , 22, 713-9		28

550	Progesterone and allopregnanolone exacerbate hypoxic-ischemic brain injury in immature rats. 2012 , 233, 214-20	29
549	Comparative approach to understanding traumatic injury in the immature, postnatal brain of domestic animals. 2012 , 90, 301-7	13
548	Effects of neonatal methamphetamine treatment on adult stress-induced corticosterone release in rats. 2012 , 34, 136-42	4
547	Sex differences in anxiety-like behavior and locomotor activity following prenatal and postnatal methamphetamine exposure in adult rats. 2012 , 105, 364-70	31
546	Clonidine abolishes the adverse effects on apoptosis and behaviour after neonatal ketamine exposure in mice. 2012 , 56, 1058-65	34
545	Celecoxib reduces brain dopaminergic neuronal dysfunction, and improves sensorimotor behavioral performance in neonatal rats exposed to systemic lipopolysaccharide. 2013 , 10, 45	40
544	The effects of perinatal fluoxetine treatment on the circadian system of the adult mouse. 2013 , 225, 743-51	13
543	Maternal immune activation causes age- and region-specific changes in brain cytokines in offspring throughout development. 2013 , 31, 54-68	228
542	Epilepsy and brain inflammation. 2013 , 244, 11-21	366
541	Evolutionary development of neural systems in vertebrates and beyond. 2013 , 27, 69-85	15
540	Neurotoxicity, General Anesthesia, and the Developing Brain: What have We Learned from the Human Studies so Far?. 2013 , 3, 175-183	5
539	Quality of maternal and paternal care predicts later stress reactivity in the cooperatively-breeding marmoset (<i>Callithrix geoffroyi</i>). 2013 , 38, 3003-14	35
538	Effects of early life permethrin exposure on spatial working memory and on monoamine levels in different brain areas of pre-senescent rats. 2013 , 303, 162-8	59
537	Asphyxia induced by umbilical cord occlusion alters glutamatergic and GABAergic synaptic transmission in neurons of the superior colliculus in fetal rats. <i>International Journal of Developmental Neuroscience</i> , 2013 , 31, 274-9	2.7 0
536	Seizure predisposition after perinatal hypoxia: effects of subsequent age and of an epilepsy predisposing gene mutation. 2013 , 54, 1789-800	14
535	Demystifying animal models of adverse pregnancy outcomes: touching bench and bedside. 2013 , 69, 567-84	25
534	Derepression of a neuronal inhibitor due to miRNA dysregulation in a schizophrenia-related microdeletion. 2013 , 152, 262-75	105
533	Sodium valproate exposure during the brain growth spurt transiently impairs spatial learning in prepubertal rats. <i>Pharmacology Biochemistry and Behavior</i> , 2013 , 103, 684-91	3.9 8

532	Effect of progesterone on respiratory response to moderate hypoxia and apnea frequency in developing rats. 2013 , 185, 515-25		12
531	Evidences for a progressive microglial activation and increase in iNOS expression in rats submitted to a neurodevelopmental model of schizophrenia: reversal by clozapine. 2013 , 151, 12-9		82
530	Neurobehavioral phenotype of C57BL/6J mice prenatally and neonatally exposed to cigarette smoke. 2013 , 35, 34-45		36
529	Neuromyelitis optica IgG causes placental inflammation and fetal death. 2013 , 191, 2999-3005		69
528	An ontology-based segmentation scheme for tracking postnatal changes in the developing rodent brain with MRI. 2013 , 67, 375-84		16
527	Mechanical-tactile stimulation (MTS) intervention in a neonatal stress model alters adult adipose tissue deposition and prevents hyperinsulinemia in male rats. 2013 , 89, 387-92		9
526	Differentiation state-dependent effects of in vitro exposure to atrazine or its metabolite diaminochlorotriazine in a dopaminergic cell line. 2013 , 92, 81-90		17
525	Visual callosal topography in the absence of retinal input. 2013 , 81, 325-334		23
524	Neonatal exposure to high concentration of carbon dioxide produces persistent learning deficits with impaired hippocampal synaptic plasticity. 2013 , 1507, 83-90		9
523	A high-resolution enhancer atlas of the developing telencephalon. 2013 , 152, 895-908		189
522	Morphine-enhanced apoptosis in selective brain regions of neonatal rats. <i>International Journal of Developmental Neuroscience</i> , 2013 , 31, 258-66	2.7	70
521	Evidence for a dysregulated immune system in the etiology of psychiatric disorders. 2013 , 8, 900-20		123
520	Carotid chemoreceptor development in mice. 2013 , 185, 20-9		3
519	Programmed cell death is impaired in the developing brain of FMR1 mutants. <i>Developmental Neuroscience</i> , 2013 , 35, 347-58	2.2	10
518	Toxicité des anesthésiques sur le cerveau du nouveau-né 2013 , 5, 219-221		
517	Methamidophos exposure during the early postnatal period of mice: immediate and late-emergent effects on the cholinergic and serotonergic systems and behavior. 2013 , 134, 125-39		15
516	Gestational exposure to a viral mimetic poly(i:C) results in long-lasting changes in mitochondrial function by leucocytes in the adult offspring. 2013 , 2013, 609602		23
515	MELATONIN AND ITS ROLE IN NEURODEVELOPMENT DURING THE PERINATAL PERIOD: A REVIEW. 2013 , 24, 76-107		7

514	Guidance on classification for reproductive toxicity under the globally harmonized system of classification and labelling of chemicals (GHS). 2013 , 43, 850-91	4
513	Preclinical assessment of ketamine. 2013 , 19, 448-53	33
512	Effects of repetitive exposure to pain and morphine treatment on the neonatal rat brain. 2013 , 103, 35-43	63
511	Prenatal ontogeny of the dopamine-dependent neurobehavioral phenotype in Pitx3-deficient mice. 2013 , 37, 1564-72	3
510	Educational outcome in adolescence following pyloric stenosis repair before 3 months of age: a nationwide cohort study. 2013 , 23, 883-90	75
509	Pharmacology of Inhaled Anesthetics. 2013 , 159-179	1
508	Complex epigenetic regulation of engrailed-2 (EN-2) homeobox gene in the autism cerebellum. 2013 , 3, e232	75
507	Prenatal stress induces schizophrenia-like alterations of serotonin 2A and metabotropic glutamate 2 receptors in the adult offspring: role of maternal immune system. 2013 , 33, 1088-98	94
506	The Road to Walking. 2013 , 402-444	8
505	Neonatal +-methamphetamine exposure in rats alters adult locomotor responses to dopamine D1 and D2 agonists and to a glutamate NMDA receptor antagonist, but not to serotonin agonists. 2013 , 16, 377-91	13
504	Cognitive impairments from developmental exposure to serotonergic drugs: citalopram and MDMA. 2013 , 16, 1383-94	18
503	Predicting Health: The Role of the Early-Life Environment. 2013 , 266-295	
502	Effects of targeted suppression of glutaryl-CoA dehydrogenase by lentivirus-mediated shRNA and excessive intake of lysine on apoptosis in rat striatal neurons. 2013 , 8, e63084	8
501	DISC1 mouse models as a tool to decipher gene-environment interactions in psychiatric disorders. 2013 , 7, 113	31
500	Effects of repeated adolescent stress and serotonin transporter gene partial knockout in mice on behaviors and brain structures relevant to major depression. 2013 , 7, 215	11
499	Role of tonic GABAergic currents during pre- and early postnatal rodent development. 2013 , 7, 139	47
498	Long-term effects of neonatal single or multiple isoflurane exposures on spatial memory in rats. 2013 , 4, 87	58
497	Dexmedetomidine reduces isoflurane-induced neuroapoptosis partly by preserving PI3K/Akt pathway in the hippocampus of neonatal rats. 2014 , 9, e93639	102

496	Consequences of early postnatal benzodiazepines exposure in rats. I. Cognitive-like behavior. 2014 , 8, 101	14
495	Consequences of early postnatal benzodiazepines exposure in rats. II. Social behavior. 2014 , 8, 169	13
494	. 2014 ,	1
493	Clozapine and glycinamide prevent MK-801-induced deficits in the novel object recognition (NOR) test in the domestic rabbit (<i>Oryctolagus cuniculus</i>). 2014 , 271, 203-11	7
492	Early postnatal exposure to ultrafine particulate matter air pollution: persistent ventriculomegaly, neurochemical disruption, and glial activation preferentially in male mice. 2014 , 122, 939-45	108
491	Autologous cord blood therapy for infantile cerebral palsy: from bench to bedside. 2014 , 2014, 976321	11
490	Fetal alcohol spectrum disorders and neuroimmune changes. <i>International Review of Neurobiology</i> , 2014 , 118, 41-80	4-4 58
489	Effect size of memory deficits in mice with adult-onset P301L tau expression. 2014 , 272, 181-95	22
488	Characterization of the guinea pig animal model and subsequent comparison of the behavioral effects of selective dopaminergic drugs and methamphetamine. 2014 , 68, 221-33	14
487	Can the season of birth risk factor for schizophrenia be prevented by bright light treatment for the second trimester mother around the winter solstice?. 2014 , 83, 809-15	1
486	Practitioner review: maternal mood in pregnancy and child development--implications for child psychology and psychiatry. 2014 , 55, 99-111	86
485	Ontogeny of small RNA in the regulation of mammalian brain development. 2014 , 15, 777	18
484	Role of hemoglobin and iron in hydrocephalus after neonatal intraventricular hemorrhage. 2014 , 75, 696-705; discussion 706	58
483	The neurotoxicity of nitrous oxide: the facts and "putative" mechanisms. 2014 , 4, 73-90	44
482	Stress in adolescence and drugs of abuse in rodent models: role of dopamine, CRF, and HPA axis. 2014 , 231, 1557-80	142
481	DFLAT: functional annotation for human development. 2014 , 15, 45	18
480	Effects of perinatal bisphenol A exposure during early development on radial arm maze behavior in adult male and female rats. 2014 , 42, 17-24	19
479	Early protein malnutrition negatively impacts physical growth and neurological reflexes and evokes anxiety and depressive-like behaviors. 2014 , 129, 237-54	63

478	Long-term consequences of neonatal fluoxetine exposure in adult rats. 2014 , 74, 1038-51		40
477	Activation of the maternal immune system during pregnancy alters behavioral development of rhesus monkey offspring. 2014 , 75, 332-41		200
476	Developmental neurotoxicity and anticonvulsant drugs: a possible link. <i>Reproductive Toxicology</i> , 2014 , 48, 72-80	3.4	27
475	Development of cerebellar connectivity in human fetal brains revealed by high angular resolution diffusion tractography. 2014 , 96, 326-33		64
474	Early caffeine exposure: transient and long-term consequences on brain excitability. 2014 , 104, 27-35		11
473	Presynaptic 5-HT _{1B} receptor-mediated synaptic suppression to the subplate neurons in the somatosensory cortex of neonatal rats. <i>Neuropharmacology</i> , 2014 , 77, 81-9	5.5	9
472	Prenatal exposure to alcohol and 3,4-methylenedioxymethamphetamine (ecstasy) alters adult hippocampal neurogenesis and causes enduring memory deficits. <i>Developmental Neuroscience</i> , 2014 , 36, 10-7	2.2	13
471	Effect of repeated alcohol exposure during the third trimester-equivalent on messenger RNA levels for interleukin-1 β chemokine (C-C motif) ligand 2, and interleukin 10 in the developing rat brain after injection of lipopolysaccharide. 2014 , 48, 773-80		7
470	Progress in anesthesia and management of the newborn surgical patient. 2014 , 23, 244-8		16
469	Understanding the behavioural phenotype of the precocial spiny mouse. 2014 , 275, 62-71		6
468	Apnea in acute bilirubin encephalopathy. <i>Seminars in Perinatology</i> , 2014 , 38, 407-11	3.3	16
467	Distinct neurobehavioral dysfunction based on the timing of developmental binge-like alcohol exposure. 2014 , 280, 204-19		40
466	Neural drive to respiratory muscles in the spontaneously breathing rat pup. 2014 , 202, 64-70		4
465	Neonatal exposure to permethrin pesticide causes lifelong fear and spatial learning deficits and alters hippocampal morphology of synapses. 2014 , 6, 7		38
464	Developmental Exposure to Polybrominated Diphenyl Ethers and Neurodevelopment. 2014 , 1, 101-112		61
463	Age-related differences in neuroinflammatory responses associated with a distinct profile of regulatory markers on neonatal microglia. 2014 , 11, 70		22
462	Anesthetic neurotoxicity. <i>Anesthesiology Clinics</i> , 2014 , 32, 133-55	2.3	71
461	Inhibition of aberrant cyclin-dependent kinase 5 activity attenuates isoflurane neurotoxicity in the developing brain. <i>Neuropharmacology</i> , 2014 , 77, 90-9	5.5	34

460	Postnatal fluoxetine-evoked anxiety is prevented by concomitant 5-HT _{2A/C} receptor blockade and mimicked by postnatal 5-HT _{2A/C} receptor stimulation. 2014 , 76, 858-68		35
459	LPS alters placental inflammatory and endocrine mediators and inhibits fetal neurite growth in affected offspring during late gestation. 2014 , 35, 533-8		27
458	Using sex differences in the developing brain to identify nodes of influence for seizure susceptibility and epileptogenesis. 2014 , 72 Pt B, 136-43		26
457	Effect of maternal diabetes and hypercholesterolemia on fetal liver of albino Wistar rats. 2014 , 30, 326-36		14
456	A combination of mild hypothermia and sevoflurane affords long-term protection in a modified neonatal mouse model of cerebral hypoxia-ischemia. <i>Anesthesia and Analgesia</i> , 2014 , 119, 1158-73	3.9	17
455	Anesthetic preconditioning inhibits isoflurane-mediated apoptosis in the developing rat brain. <i>Anesthesia and Analgesia</i> , 2014 , 119, 939-946	3.9	26
454	Intermittent neonatal hypoxia elicits the upregulation of inflammatory-related genes in adult male rats through long-lasting programming effects. 2015 , 3, e12646		3
453	Long-term behavioral effects in a rat model of prolonged postnatal morphine exposure. 2015 , 129, 643-55		13
452	Critical Periods of Development in Teratology. 2015 , 17-42		1
451	The role of different strain backgrounds in bacterial endotoxin-mediated sensitization to neonatal hypoxic-ischemic brain damage. 2015 , 311, 292-307		23
450	Neonatal exposure to amphetamine alters social affiliation and central dopamine activity in adult male prairie voles. 2015 , 307, 109-16		3
449	Long-term effects of single or multiple neonatal sevoflurane exposures on rat hippocampal ultrastructure. 2015 , 122, 87-95		102
448	Postnatal accumulation of intermediate filaments in the cat and human primary visual cortex. 2015 , 523, 2111-26		8
447	Perinatal Domoic Acid as a Neuroteratogen. 2016 , 29, 87-110		14
446	Systemic Progesterone Administration in Early Life Alters the Hyperalgesic Responses to Surgery in the Adult: A Study on Female Rats. <i>Anesthesia and Analgesia</i> , 2015 , 121, 545-55	3.9	4
445	Atlas of the Postnatal Rat Brain in Stereotaxic Coordinates. 2015 , 9, 161		112
444	Pre-weaning dietary iron deficiency impairs spatial learning and memory in the cognitive holeboard task in piglets. 2015 , 9, 291		23
443	Early exposure to nicotine during critical periods of brain development: Mechanisms and consequences. 2015 , 01, 125-141		30

442	Developmental nicotine exposure adversely effects respiratory patterning in the barbiturate anesthetized neonatal rat. 2015 , 208, 45-50		1
441	Spinal mediation of motor learning and memory in the rat fetus. <i>Developmental Psychobiology</i> , 2015 , 57, 421-34	3	8
440	Selection of Anesthesia Techniques for the Neonate. 2015 , 131-152		
439	Leptin potentiates astrogenesis in the developing hypothalamus. 2015 , 4, 881-9		32
438	Sensitive and critical periods during neurotypical and aberrant neurodevelopment: a framework for neurodevelopmental disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 50, 180-8	9	120
437	Genomic perspectives of transcriptional regulation in forebrain development. 2015 , 85, 27-47		109
436	Neonatal iron supplementation potentiates oxidative stress, energetic dysfunction and neurodegeneration in the R6/2 mouse model of Huntington's disease. 2015 , 4, 363-74		27
435	Ampakines enhance weak endogenous respiratory drive and alleviate apnea in perinatal rats. 2015 , 191, 704-10		30
434	The early origins of food preferences: targeting the critical windows of development. 2015 , 29, 365-73		32
433	Developmental variations in environmental influences including endocrine disruptors on pubertal timing and neuroendocrine control: Revision of human observations and mechanistic insight from rodents. 2015 , 38, 12-36		94
432	Genetic and early environmental influences on the serotonin system: consequences for brain development and risk for psychopathology. 2015 , 40, 5-18		79
431	Magnetic resonance imaging assessment of the ventricular system in the brains of adult and juvenile beagle dogs treated with posaconazole IV Solution. 2015 , 76, 55-64		4
430	Neuroanesthesia and Cerebrospinal Protection. 2015 ,		3
429	Survival benefit and phenotypic improvement by hamartin gene therapy in a tuberous sclerosis mouse brain model. 2015 , 82, 22-31		12
428	The oxytocin system promotes resilience to the effects of neonatal isolation on adult social attachment in female prairie voles. 2015 , 5, e606		79
427	The uncomfortable reality ¶We simply do not know if general anesthesia negatively impacts the neurocognitive development of our small children. 2015 , 79, 1379-81		24
426	Prenatal glucocorticoid exposure in rats: programming effects on stress reactivity and cognition in adult offspring. 2015 , 18, 353-61		20
425	microRNA Expression Profiling of Propofol-Treated Developing Rat Hippocampal Astrocytes. 2015 , 34, 511-23		11

424	Genomics of preterm birth. 2015 , 5, a023127		18
423	Developmental stage-dependent impact of midazolam on calbindin, calretinin and parvalbumin expression in the immature rat medial prefrontal cortex during the brain growth spurt. <i>International Journal of Developmental Neuroscience</i> , 2015 , 45, 19-28	2.7	9
422	Mode of anaesthesia for preterm Caesarean delivery: secondary analysis from the Maternal-Fetal Medicine Units Network Caesarean Registry. 2015 , 115, 267-74		7
421	A New Rabbit Model of Pediatric Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2015 , 32, 1369-79	5.4	33
420	A family of transposable elements co-opted into developmental enhancers in the mouse neocortex. 2015 , 6, 6644		59
419	Pharmacological and methodological aspects of the separation-induced vocalization test in guinea pig pups; a systematic review and meta-analysis. 2015 , 753, 191-208		10
418	Alterations in sociability and functional brain connectivity caused by early-life seizures are prevented by bumetanide. 2015 , 77, 204-19		32
417	Maternal immune activation produces cerebellar hyperplasia and alterations in motor and social behaviors in male and female mice. 2015 , 14, 491-505		29
416	Role of sex steroids and their receptors in human preterm infants: Impacts on future treatment strategies for cerebral development. 2015 , 98, 556-63		11
415	Postnatal Phencyclidine (PCP) as a Neurodevelopmental Animal Model of Schizophrenia Pathophysiology and Symptomatology: A Review. 2016 , 29, 403-428		24
414	Neurobehavioral Effects from Developmental Methamphetamine Exposure. 2016 , 29, 183-230		21
413	Neural stem cells in the immature, but not the mature, subventricular zone respond robustly to traumatic brain injury. <i>Developmental Neuroscience</i> , 2015 , 37, 29-42	2.2	33
412	Sources of variation in the design of preclinical studies assessing the effects of amphetamine-type stimulants in pregnancy and lactation. 2015 , 279, 87-99		11
411	Anesthesia-related neurotoxicity and the developing animal brain is not a significant problem in children. 2015 , 25, 65-72		77
410	Reproductive Toxicology. 2016 ,		
409	Spindle Bursts in Neonatal Rat Cerebral Cortex. 2016 , 2016, 3467832		33
408	Neonatal Iron Supplementation Induces Striatal Atrophy in Female YAC128 Huntington's Disease Mice. 2016 , 5, 53-63		12
407	Emotional Contagion is not Altered in Mice Prenatally Exposed to Poly (I:C) on Gestational Day 9. 2016 , 10, 134		8

406	Probing Intrinsic Resting-State Networks in the Infant Rat Brain. 2016 , 10, 192		12
405	Preclinical Reproductive and Developmental Toxicity Profile of a Glycine Transporter Type 1 (Glyt1) Inhibitor. 2016 , 107, 148-56		2
404	More Than Anyone Else: Premies Need Good Analgesia. 2016 , 124, 758-60		7
403	Developmental manganese exposure in combination with developmental stress and iron deficiency: Effects on behavior and monoamines. 2016 , 56, 55-67		16
402	Sex differences in adult rat insulin and glucose responses to arginine: programming effects of neonatal separation, hypoxia, and hypothermia. 2016 , 4, e12972		17
401	The acute and delayed effects of perinatal hypoxic brain damage in children and in model experiments with rodents. 2016 , 10, 258-272		5
400	From Phenomenology to Strong Biologism and Epigenetics in Psychiatry. 2016 , 507-516		
399	Perinatal Fluoxetine Exposure Impairs the CO2 Chemoreflex. Implications for Sudden Infant Death Syndrome. 2016 , 55, 368-76		5
398	Stress transgenerationally programs metabolic pathways linked to altered mental health. 2016 , 73, 4547-4557	30	
397	Epigenetic regulation of neurodevelopmental genes in response to in utero exposure to phthalate plastic chemicals: How can we delineate causal effects?. <i>NeuroToxicology</i> , 2016 , 55, 92-101	4.4	24
396	Developmental stress and lead (Pb): Effects of maternal separation and/or Pb on corticosterone, monoamines, and blood Pb in rats. <i>NeuroToxicology</i> , 2016 , 54, 22-33	4.4	15
395	Increasing cumulative exposure to volatile anesthetic agents is associated with poorer neurodevelopmental outcomes in children with hypoplastic left heart syndrome. 2016 , 152, 482-9		35
394	Perinatal exposure to the selective serotonin reuptake inhibitor citalopram alters spatial learning and memory, anxiety, depression, and startle in Sprague-Dawley rats. <i>International Journal of Developmental Neuroscience</i> , 2016 , 54, 39-52	2.7	37
393	Neuro-immune interactions across development: A look at glutamate in the prefrontal cortex. <i>Neuroscience and Biobehavioral Reviews</i> , 2016 , 71, 267-280	9	24
392	Magnetic resonance spectroscopic analysis of neurometabolite changes in the developing rat brain at 7T. 2016 , 1651, 114-120		6
391	Toward early estimation and treatment of addiction vulnerability: radial arm maze and N-acetyl cysteine before cocaine sensitization or nicotine self-administration in neonatal ventral hippocampal lesion rats. 2016 , 233, 3933-3945		15
390	The normal tissue effects of microbeam radiotherapy: What do we know, and what do we need to know to plan a human clinical trial?. 2016 , 92, 302-11		27
389	Maternally Administered Cyclic Glycine-Proline Increases Insulin-Like Growth Factor-1 Bioavailability and Novelty Recognition in Developing Offspring. 2016 , 157, 3130-9		17

388	Critical periods and neurodevelopmental brain disorders. 2016 , 73-98		
387	Tight junction proteins of cerebral endothelial cells in early postnatal development. 2016 , 10, 372-377		5
386	Perinatal Brain Injury is Accompanied by Disturbances in Expression of SLC Protein Superfamily in Endotheliocytes of Hippocampal Microvessels. 2016 , 161, 770-774		2
385	d-Cycloserine does not enhance the effects of in vivo exposure among young people with broad-based anxiety disorders. 2016 , 87, 225-231		9
384	Lasting impact of general anaesthesia on the brain: mechanisms and relevance. 2016 , 17, 705-717		225
383	Recent Insights Into Molecular Mechanisms of Propofol-Induced Developmental Neurotoxicity: Implications for the Protective Strategies. <i>Anesthesia and Analgesia</i> , 2016 , 123, 1286-1296	3-9	51
382	The rise and fall of anaesthesia-related neurotoxicity and the immature developing human brain. 2016 , 60, 280-3		10
381	Effects of early and late neonatal bromocriptine treatment on hypothalamic neuropeptides, dopaminergic reward system and behavior of adult rats. 2016 , 325, 175-87		3
380	Single exposure to cocaine impairs aspartate uptake in the pre-frontal cortex via dopamine D1-receptor dependent mechanisms. 2016 , 329, 326-36		8
379	Pharmacokinetics of isoflavones from soy infant formula in neonatal and adult rhesus monkeys. 2016 , 92, 165-76		10
378	Newborn Brain Function Is Affected by Fetal Exposure to Maternal Serotonin Reuptake Inhibitors. 2017 , 27, 3208-3216		22
377	Ontogeny of ABC and SLC transporters in the microvessels of developing rat brain. 2016 , 30, 107-16		11
376	In Vitro Developmental Neurotoxicity Following Chronic Exposure to 50 Hz Extremely Low-Frequency Electromagnetic Fields in Primary Rat Cortical Cultures. 2016 , 149, 433-40		10
375	Anatomical features for an adequate choice of experimental animal model in biomedicine: II. Small laboratory rodents, rabbit, and pig. 2016 , 204, 11-28		46
374	Epilepsy and Autism. 2016 , 6, a022749		44
373	Neurotoxicity, general anesthesia in young children, and a survey of current pediatric anesthesia practice at US teaching institutions. 2016 , 26, 60-5		15
372	Third trimester-equivalent ethanol exposure causes micro-hemorrhages in the rat brain. 2016 , 324, 107-18		11
371	Stereological study of the effects of maternal diabetes on cerebellar cortex development in rat. 2016 , 31, 643-52		13

370	Lizard tail spinal cord: a new experimental model of spinal cord injury without limb paralysis. 2016 , 30, 1391-403		12
369	Pre- and post-exposure talampanel (GYKI 53773) against kainic acid seizures in neonatal rats. 2016 , 68, 190-5		6
368	Perioperative Medicine in Pediatric Anesthesia. <i>Anesthesia, Intensive Care and Pain in Neonates and Children</i> , 2016 ,	2.1	3
367	Acute and Long-Term Effects of Brief Sevoflurane Anesthesia During the Early Postnatal Period in Rats. 2016 , 149, 121-33		48
366	Comparative neurotoxicity screening in human iPSC-derived neural stem cells, neurons and astrocytes. 2016 , 1638, 57-73		79
365	Inflammatory and oxidative stress-related effects associated with neurotoxicity are maintained after exclusively prenatal trichloroethylene exposure. <i>NeuroToxicology</i> , 2017 , 59, 164-174	4.4	18
364	Developmental neurotoxicity of inhaled ambient ultrafine particle air pollution: Parallels with neuropathological and behavioral features of autism and other neurodevelopmental disorders. <i>NeuroToxicology</i> , 2017 , 59, 140-154	4.4	127
363	General anesthetics and cytotoxicity: possible implications for brain health. 2017 , 40, 241-249		14
362	Epigallocatechin gallate (EGCG) inhibits adhesion and migration of neural progenitor cells in vitro. 2017 , 91, 827-837		28
361	Neonatal blockade of GABA-A receptors alters behavioral and physiological phenotypes in adult mice. <i>International Journal of Developmental Neuroscience</i> , 2017 , 57, 62-71	2.7	19
360	Impact of adolescent social experiences on behavior and neural circuits implicated in mental illnesses. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 76, 280-300	9	102
359	Maternal Immune Activation Causes Behavioral Impairments and Altered Cerebellar Cytokine and Synaptic Protein Expression. <i>Neuropsychopharmacology</i> , 2017 , 42, 1435-1446	8.7	45
358	Zika Virus Targeting in the Developing Brain. 2017 , 37, 2161-2175		117
357	Sex-specific respiratory effects of acute and chronic caffeine administration in newborn rats. 2017 , 240, 8-16		6
356	Immune activation in lactating dams alters sucklings' brain cytokines and produces non-overlapping behavioral deficits in adult female and male offspring: A novel neurodevelopmental model of sex-specific psychopathology. 2017 , 63, 35-49		24
355	References. 2017 , 301-354		
354	The effects of maternal antidepressant use on offspring behaviour and brain development: Implications for risk of neurodevelopmental disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 80, 743-765	9	57
353	Acute Lesioning and Rapid Repair of Hypothalamic Neurons outside the Blood-Brain Barrier. 2017 , 19, 2257-2271		30

352	Neonatal Immune Challenge with Lipopolysaccharide Triggers Long-lasting Sex- and Age-related Behavioral and Immune/Neurotrophic Alterations in Mice: Relevance to Autism Spectrum Disorders. 2018 , 55, 3775-3788		42
351	Early life vincristine exposure evokes mechanical pain hypersensitivity in the developing rat. 2017 , 158, 1647-1655		15
350	Valnoctamide Inhibits Cytomegalovirus Infection in Developing Brain and Attenuates Neurobehavioral Dysfunctions and Brain Abnormalities. 2017 , 37, 6877-6893		9
349	Cerebellar Exposure to Cell-Free Hemoglobin Following Preterm Intraventricular Hemorrhage: Causal in Cerebellar Damage?. 2017 , 8, 461		24
348	Methylmalonate Induces Inflammatory and Apoptotic Potential: A Link to Glial Activation and Neurological Dysfunction. 2017 , 76, 160-178		9
347	Telencephalic Tissue Formation in 3D Stem Cell Culture. 2017 , 1-24		
346	The influence of methamphetamine on maternal behavior and development of the pups during the neonatal period. <i>International Journal of Developmental Neuroscience</i> , 2017 , 59, 37-46	2.7	11
345	PPAR mRNA Levels Are Modified by Dietary n-3 Fatty Acid Restriction and Energy Restriction in the Brain and Liver of Growing Rats. 2017 , 147, 161-169		8
344	A holistic approach to anesthesia-induced neurotoxicity and its implications for future mechanistic studies. 2017 , 60, 24-32		25
343	Noninfectious Fever in the Near-Term Pregnant Rat Induces Fetal Brain Inflammation: A Model for the Consequences of Epidural-Associated Maternal Fever. <i>Anesthesia and Analgesia</i> , 2017 , 125, 2134-2140	2.9	13
342	Maternal salivary testosterone in pregnancy and fetal neuromaturation. <i>Developmental Psychobiology</i> , 2017 , 59, 822-831	3	2
341	Prenatal noise stress impairs HPA axis and cognitive performance in mice. <i>Scientific Reports</i> , 2017 , 7, 10560	4.9	38
340	Neurodevelopmental Reflex Testing in Neonatal Rat Pups. 2017 ,		11
339	How methamphetamine exposure during different neurodevelopmental stages affects social behavior of adult rats?. 2017 , 179, 391-400		5
338	Macaque monkeys in Zika virus research: 1947-present. 2017 , 25, 34-40		15
337	Extrapolating evidence of antiepileptic drug efficacy in adults to children 2 years of age with focal seizures: The case for disease similarity. 2017 , 58, 1686-1696		35
336	INTERNEURONOPATHIES AND THEIR ROLE IN EARLY LIFE EPILEPSIES AND NEURODEVELOPMENTAL DISORDERS. 2017 , 2, 284-306		32
335	Stress, Glucocorticoids, and Brain Development in Rodent Models. 2017 , 197-206		1

334	Developmental neurotoxicity of the organophosphorus insecticide chlorpyrifos: from clinical findings to preclinical models and potential mechanisms. 2017 , 142 Suppl 2, 162-177		102
333	Multisensory control of ingestive movements and the myth of food addiction in obesity. 2017 , 40, e384		1
332	Philosopher's disease and its antidote: Perspectives from prenatal behavior and contagious yawning and laughing. 2017 , 40, e399		2
331	Does early motor development contribute to speech perception?. 2017 , 40, e388		5
330	A major blow to primate neonatal imitation and mirror neuron theory. 2017 , 40, e390		2
329	Current thinking regarding potential neurotoxicity of general anesthesia in infants. 2017 , 27, 27-33		11
328	The great barrier belief: The blood-brain barrier and considerations for juvenile toxicity studies. <i>Reproductive Toxicology</i> , 2017 , 72, 129-135	3.4	20
327	Differential effects of perinatal exposure to antidepressants on learning and memory, acoustic startle, anxiety, and open-field activity in Sprague-Dawley rats. <i>International Journal of Developmental Neuroscience</i> , 2017 , 61, 92-111	2.7	19
326	Homeostatic interplay between electrical activity and neuronal apoptosis in the developing neocortex. 2017 , 358, 190-200		32
325	Sex-dependent effects of maternal corticosterone and SSRI treatment on hippocampal neurogenesis across development. 2017 , 8, 20		20
324	The Origins of Cognitive Deficits in Victimized Children: Implications for Neuroscientists and Clinicians. 2017 , 174, 349-361		103
323	Do anesthetics harm the developing human brain? An integrative analysis of animal and human studies. 2017 , 60, 117-128		86
322	Developmental manganese neurotoxicity in rats: Cognitive deficits in allocentric and egocentric learning and memory. 2017 , 59, 16-26		21
321	Environmental toxicology: Sensitive periods of development and neurodevelopmental disorders. <i>NeuroToxicology</i> , 2017 , 58, 23-41	4.4	109
320	Psychoneuroimmunology of Early-Life Stress: The Hidden Wounds of Childhood Trauma?. <i>Neuropsychopharmacology</i> , 2017 , 42, 99-114	8.7	166
319	Mommy or me? Who is the agent in a sense of agency in infant orofacial stereotypies?. 2017 , 40, e393		1
318	The functional and developmental role of imitation in the (a)typical brain. 2017 , 40, e387		4
317	Spontaneous communication and infant imitation. 2017 , 40, e385		4

316	When dyadic interaction is the context: Mimicry behaviors on the origin of imitation. 2017 , 40, e386	3
315	Turning the tide: A plea for cognitively lean interpretations of infant behaviour. 2017 , 40, e383	2
314	There is no compelling evidence that human neonates imitate. 2017 , 40, e392	4
313	Elements of a comprehensive theory of infant imitation. 2017 , 40, e396	11
312	Beyond neonatal imitation: Aerodigestive stereotypies, speech development, and social interaction in the extended perinatal period. 2017 , 40, e403	2
311	"What" matters more than "Why" - Neonatal behaviors initiate social responses. 2017 , 40, e394	2
310	The case against newborn imitation grows stronger. 2017 , 40, e391	1
309	"It takes two to know one" - Tongue protrusion-retraction is only one small facet of early intersubjectivity. 2017 , 40, e382	1
308	Animal studies help clarify misunderstandings about neonatal imitation. 2017 , 40, e400	6
307	Ecological validity, embodiment, and killjoy explanations in developmental psychology. 2017 , 40, e402	1
306	Cardiopulmonary bypass in the newborn: effects of circulatory cell-free hemoglobin and hyperoxia evaluated in a novel rat pup model. 2017 , 5, 45	2
305	Beyond aerodigestion: Exaptation of feeding-related mouth movements for social communication in human and nonhuman primates. 2017 , 40, e397	3
304	An unsettled debate: Key empirical and theoretical questions are still open. 2017 , 40, e401	6
303	Infant orofacial movements: Inputs, if not outputs, of early imitative ability?. 2017 , 40, e398	1
302	Beyond sensorimotor imitation in the neonate: Mentalization psychotherapy in adulthood. 2017 , 40, e389	1
301	Do innate stereotypies serve as a basis for swallowing and learned speech movements?. 2017 , 40, e395	6
300	Propofol Induces Apoptosis of Neurons but Not Astrocytes, Oligodendrocytes, or Neural Stem Cells in the Neonatal Mouse Hippocampus. 2017 , 7,	22
299	Neonatal Hypoxia Ischaemia: Mechanisms, Models, and Therapeutic Challenges. 2017 , 11, 78	143

298	Modulation of Neocortical Development by Early Neuronal Activity: Physiology and Pathophysiology. 2017 , 11, 379		40
297	Corticosterone response to gestational stress and postpartum memory function in mice. 2017 , 12, e0180306		21
296	Models for Preterm Cortical Development Using Non Invasive Clinical EEG. 2017 , 8, 211-224		1
295	Developmental Neurotoxicity of Abused Drugs. 2017 , 413-429		
294	Large Farm Animal Models of Human Neurobehavioral and Psychiatric Disorders: Methodological and Practical Considerations. 2017 , 71-100		3
293	Expression of kappa opioid receptors in developing rat brain - Implications for perinatal buprenorphine exposure. <i>Reproductive Toxicology</i> , 2018 , 78, 81-89	3-4	9
292	Developmental manganese, lead, and barren cage exposure have adverse long-term neurocognitive, behavioral and monoamine effects in Sprague-Dawley rats. 2018 , 67, 50-64		15
291	A Review of the New Antiepileptic Drugs for Focal-Onset Seizures in Pediatrics: Role of Extrapolation. 2018 , 20, 249-264		25
290	Hyperactivity and memory/learning deficits evoked by developmental exposure to nicotine and/or ethanol are mitigated by cAMP and cGMP signaling cascades activation. <i>NeuroToxicology</i> , 2018 , 66, 150-159	4-4	11
289	Early-life Photoperiod Influences Depression-like Behavior, Prepulse Inhibition of the Acoustic Startle Response, and Hippocampal Astrogenesis in Mice. 2018 , 374, 133-143		8
288	Intravenous administration of scAAV9-Hexb normalizes lifespan and prevents pathology in Sandhoff disease mice. 2018 , 27, 954-968		10
287	Anesthetic-Induced Neurotoxicity. 163-170		
286	Early Life Stress: Consequences for the Development of the Brain. 2018 , 48, 233-250		10
285	Glial cell responses in a murine multifactorial perinatal brain injury model. 2018 , 1681, 52-63		7
284	The Role of Animal Models in Developmental Brain Research. 2018 , 81-95		
283	Developmental exposure to low level ambient ultrafine particle air pollution and cognitive dysfunction. <i>NeuroToxicology</i> , 2018 , 69, 217-231	4-4	34
282	Perinatal hypothyroidism increases play behaviors in juvenile rats. 2018 , 98, 1-7		3
281	Psychoactive drug exposure during breastfeeding: a critical need for preclinical behavioral testing. 2018 , 235, 1335-1346		4

280	Maternal IL-17A in autism. 2018 , 299, 228-240		62
279	Safeguarding Infant Brains: A Multidisciplinary Challenge-Results of a Survey, Update on Current Scientific Evidence, and Recommendations on How to Deal with Possible Anesthetic Drug Neurotoxicity. 2018 , 28, 400-405		1
278	Pre-implantation alcohol exposure and developmental programming of FASD: an epigenetic perspective. 2018 , 96, 117-130		5
277	Consideration of the Development of the Gastrointestinal Tract in the Choice of Species for Regulatory Juvenile Studies. 2018 , 110, 56-62		5
276	Alterations in inter-alpha inhibitor protein expression after hypoxic-ischemic brain injury in neonatal rats. <i>International Journal of Developmental Neuroscience</i> , 2018 , 65, 54-60	2.7	9
275	The role of fMRI in drug development. 2018 , 23, 333-348		35
274	Cortical Auditory-Evoked Responses in Preterm Neonates: Revisited by Spectral and Temporal Analyses. 2018 , 28, 3429-3444		23
273	How Early Can a Seizure Happen? Pathophysiological Considerations of Extremely Premature Infant Brain Development. <i>Developmental Neuroscience</i> , 2018 , 40, 417-436	2.2	8
272	Does pediatric anesthesia cause brain damage? - Addressing parental and provider concerns in light of compelling animal studies and seemingly ambivalent human data. 2018 , 71, 255-273		14
271	Reciprocal F1 Hybrids of Two Inbred Mouse Strains Reveal Parent-of-Origin and Perinatal Diet Effects on Behavior and Expression. 2018 , 8, 3447-3468		4
270	A Test of Dietary Monosodium Glutamate Developmental Neurotoxicity in Rats: A Reappraisal. 2018 , 73 Suppl 5, 36-42		6
269	Animal Models of Fetal Medicine and Obstetrics. 2018 ,		14
268	The Effect of Caffeine on the Neuropathological and Neurobehavioral Outcome in the Newborn Rat. 2018 , 8, 143-152		2
267	In Vivo Systems: Animal Models of Neurodegeneration. 2018 , 424-441		
266	Experimental Hydrocephalus. 2018 , 1-18		
265	Developmental Exposure to Psychostimulant Primes Activity-dependent Gene Induction in Frontal Cortex. 2019 , 79, 96-108		0
264	Rats can predict aversiveness of Active Pharmaceutical Ingredients. 2018 , 133, 77-84		15
263	Sex differences in the nicotinic excitation of principal neurons within the developing hippocampal formation. 2019 , 79, 110-130		1

262	The Developing Nervous System. 2018 , 24-40		
261	Physiology and molecular biology of barrier mechanisms in the fetal and neonatal brain. 2018 , 596, 5723-5756	54	
260	Physiologic Changes in a Small Animal Model for Neonatal Minimally Invasive Surgery. 2018 , 28, 912-917	1	
259	Comparing Postnatal Development of Gonadal Hormones and Associated Social Behaviors in Rats, Mice, and Humans. 2018 , 159, 2596-2613	61	
258	Programming of the Adult HPA Axis After Neonatal Separation and Environmental Stress in Male and Female Rats. 2018 , 159, 2777-2789	8	
257	Evaluation of Disease Lesions in the Developing Canine MPS IIIA Brain. 2019 , 43, 91-101	6	
256	Perinatal Hypoxia and Ischemia in Animal Models of Schizophrenia. 2018 , 9, 106	7	
255	Nitric Oxide Synthase Inhibition as a Neuroprotective Strategy Following Hypoxic-Ischemic Encephalopathy: Evidence From Animal Studies. 2018 , 9, 258	18	
254	Role for Cystathionine Lyase (CSE) in an Ethanol (E)-Induced Lesion in Fetal Brain GSH Homeostasis. 2018 , 19,	5	
253	Mapping stress networks using functional magnetic resonance imaging in awake animals. 2018 , 9, 251-263	19	
252	Effect of repeated juvenile exposure to Δ^9 -tetrahydrocannabinol on anxiety-related behavior and social interactions in adolescent rats. 2018 , 69, 11-20	6	
251	Noninvasive EEG Recordings from Freely Moving Piglets. 2018 ,	0	
250	Targeted sensory enrichment interventions protect against behavioral and neuroendocrine consequences of early life stress. 2018 , 98, 74-85	19	
249	Developmental exposures to ultrafine particle air pollution reduces early testosterone levels and adult male social novelty preference: Risk for children's sex-biased neurobehavioral disorders. <i>NeuroToxicology</i> , 2018 , 68, 203-211	4-4	21
248	Social defeat stress: Mechanisms underlying the increase in rewarding effects of drugs of abuse. 2018 , 48, 2948-2970		21
247	Effects of Acute Exposure of Permethrin in Adult and Developing Sprague-Dawley Rats on Acoustic Startle Response and Brain and Plasma Concentrations. 2018 , 165, 361-371		10
246	Attention and working memory deficits in a perinatal nicotine exposure mouse model. 2018 , 13, e0198064		25
245	Animal/Human Concordance. 2018 , 527-538		

244	Surgery, Anesthesia, and the Immature Brain. 2019 , 581-603.e9		
243	Perinatal Nutrition and Programmed Risk for Neuropsychiatric Disorders: A Focus on Animal Models. 2019 , 85, 122-134		20
242	The Interplay Between Nutrition and Stress in Pregnancy: Implications for Fetal Programming of Brain Development. 2019 , 85, 135-149		55
241	Parental presence switches avoidance to attraction learning in children. 2019 , 3, 1070-1077		30
240	Learning and Memory Effects of Neonatal Methamphetamine Exposure in Sprague-Dawley Rats: Test of the Role of Dopamine Receptors D1 in Mediating the Long-Term Effects. <i>Developmental Neuroscience</i> , 2019 , 41, 44-55	2.2	4
239	Comorbidities of early-onset temporal epilepsy: Cognitive, social, emotional, and morphologic dimensions. 2019 , 320, 113005		8
238	Effect of prenatal overfeeding on the growth performance and postweaning behavioral parameters in rabbits. 2019 , 33, 38-45		0
237	Cognitive and Behavioral Impact on Children Exposed to Opioids During Pregnancy. 2019 , 144,		23
236	Interneuron Development Is Disrupted in Preterm Brains With Diffuse White Matter Injury: Observations in Mouse and Human. 2019 , 10, 955		30
235	Canine adenoviral vector-mediated gene transfer to the guinea pig brain. 2019 , 16, 100432		1
234	The Impact of Inhaled Ambient Ultrafine Particulate Matter on Developing Brain: Potential Importance of Elemental Contaminants. 2019 , 47, 976-992		16
233	Exposure to valproic acid during middle to late-stage corticogenesis induces learning and social behavioral abnormalities with attention deficit/hyperactivity in adult mice. 2019 , 40, 179-188		3
232	Adolescent Health and Wellbeing. 2019 ,		1
231	Thyroid Hormones in the Brain and Their Impact in Recovery Mechanisms After Stroke. 2019 , 10, 1103		14
230	Effects of prenatal exposure to particulate matter air pollution on corpus callosum and behavioral problems in children. 2019 , 178, 108734		31
229	Gender Specificity of the Effect of Neonatal Melatonin Administration on Lifespan and Age-Associated Pathology in 129/Sv Mice. 2019 , 9, 317-326		
228	Prenatal noise stress aggravates cognitive decline and the onset and progression of beta amyloid pathology in a mouse model of Alzheimer's disease. 2019 , 77, 66-86		17
227	Adverse outcome pathway of developmental neurotoxicity resulting from prenatal exposures to cannabis contaminated with organophosphate pesticide residues. <i>Reproductive Toxicology</i> , 2019 , 85, 12-18	3.4	25

226	Reversal of neurobehavioral teratogenicity in animal models and human: Three decades of progress. 2019 , 150, 328-342		3
225	Deletion of the creatine transporter gene in neonatal, but not adult, mice leads to cognitive deficits. 2019 , 42, 966-974		5
224	Bundling the haystack to find the needle: Challenges and opportunities in modeling risk and resilience following early life stress. 2019 , 54, 100768		15
223	Mind the Gaps: Ontogeny of Human Brain P-gp and Its Impact on Drug Toxicity. 2019 , 21, 67		9
222	Effects of prenatal exposure to chrysotile asbestos on hippocampal neurogenesis and long-term behavioral changes in adult male rat offspring. 2019 , 371, 111962		2
221	Experimental Hydrocephalus. 2019 , 37-51		0
220	A Critical Evaluation of Current Concepts in Cerebral Palsy. 2019 , 34, 216-229		19
219	Using a Developmental Ecology Framework to Align Fear Neurobiology Across Species. 2019 , 15, 345-369		43
218	Targeting progesterone receptors in newborn males and females: From the animal model to a new perspective for the treatment of apnea of prematurity?. 2019 , 263, 55-61		8
217	Coevolution of visual behaviour, the material world and social complexity, depicted by the eye-tracking of archaeological objects in humans. <i>Scientific Reports</i> , 2019 , 9, 3985	4.9	8
216	The Emergence of Hierarchical Somatosensory Processing in Late Prematurity. 2019 , 29, 2245-2260		14
215	Environmental Chemicals and Autism: A Scoping Review of the Human and Animal Research. 2019 , 127, 46001		26
214	Prenatal immune challenge induces behavioral deficits, neuronal remodeling, and increases brain nitric oxide and zinc levels in the male rat offspring. 2019 , 406, 594-605		16
213	Gestational buprenorphine exposure: Effects on pregnancy, development, neonatal opioid withdrawal syndrome, and behavior in a translational rodent model. 2019 , 205, 107625		12
212	Allopregnanolone augments epileptiform activity of an in-vitro mouse hippocampal preparation in the first postnatal week. 2019 , 157, 106196		2
211	Anesthesia Neurotoxicity in the Developing Brain: Basic Studies Relevant for Neonatal or Perinatal Medicine. 2019 , 46, 647-656		9
210	Maternal overnutrition during critical developmental periods leads to different health adversities in the offspring: relevance of obesity, addiction and schizophrenia. <i>Scientific Reports</i> , 2019 , 9, 17322	4.9	10
209	Effect of Maternal Exposure to Zinc Oxide Nanoparticles on Reflexive Motor Behaviors in Mice Offspring. 2019 , 25, 1049-1056		5

208	Maternal Inflammation and Neurodevelopmental Programming: A Review of Preclinical Outcomes and Implications for Translational Psychiatry. 2019 , 85, 107-121		89
207	A novel image segmentation method for the evaluation of inflammation-induced cortical and hippocampal white matter injury in neonatal mice. 2019 , 96, 79-85		2
206	Gestational Stress Augments Postpartum β Amyloid Pathology and Cognitive Decline in a Mouse Model of Alzheimer's Disease. 2019 , 29, 3712-3724		12
205	Pharmacology of Inhaled Anesthetics. 2019 , 217-240		3
204	Effects of Acute Deltamethrin Exposure in Adult and Developing Sprague Dawley Rats on Acoustic Startle Response in Relation to Deltamethrin Brain and Plasma Concentrations. 2019 , 168, 61-69		7
203	A systematic review and narrative synthesis on the histological and neurobehavioral long-term effects of dexmedetomidine. 2019 , 29, 125-136		10
202	Brain Organoids: A New, Transformative Investigational Tool for Neuroscience Research. 2019 , 3, e1800174		3
201	Deep hypothermia reverses behavioral and histological alterations in a rat model of perinatal asphyxia. 2019 , 527, 362-371		2
200	Pharmacokinetics and short-term safety of the selective NOS inhibitor 2-iminobiotin in asphyxiated neonates treated with therapeutic hypothermia. <i>Pediatric Research</i> , 2020 , 87, 689-696	3.2	9
199	Neurobehavioral effects of neonatal opioid exposure in mice: Influence of the OPRM1 SNP. 2020 , 25, e12806		12
198	Life-Course Contribution of Prenatal Stress in Regulating the Neural Modulation Network Underlying the Prepulse Inhibition of the Acoustic Startle Reflex in Male Alzheimer's Disease Mice. 2020 , 30, 311-325		5
197	High Angular Resolution Diffusion MRI Reveals Conserved and Deviant Programs in the Paths that Guide Human Cortical Circuitry. 2020 , 30, 1447-1464		4
196	Plasticity of the Reward Circuitry After Early-Life Adversity: Mechanisms and Significance. 2020 , 87, 875-884		31
195	Maternal low protein exposure alters glucose tolerance and intestinal nutrient-responsive receptors and transporters expression of rat offspring. 2020 , 243, 117216		3
194	Adolescent neurodevelopment and substance use: Receptor expression and behavioral consequences. 2020 , 206, 107431		34
193	Early postnatal manganese exposure causes arousal dysregulation and lasting hypofunctioning of the prefrontal cortex catecholaminergic systems. 2020 , 153, 631-649		7
192	Sex may influence motor phenotype in a novel rodent model of cerebral palsy. 2020 , 134, 104711		6
191	Developmental neurotoxicity of MDMA. A systematic literature review summarized in a putative adverse outcome pathway. <i>NeuroToxicology</i> , 2020 , 78, 209-241	4.4	9

190	Annual Research Review: Critical windows - the microbiota-gut-brain axis in neurocognitive development. 2020 , 61, 353-371		46
189	Annual Research Review: Rethinking childhood trauma-new research directions for measurement, study design and analytical strategies. 2020 , 61, 236-250		45
188	Alteration of the brain methylation landscape following postnatal inflammatory injury in rat pups. 2020 , 34, 432-445		8
187	A critical review about neurotoxic effects in marine mammals of mercury and other trace elements. 2020 , 246, 125688		22
186	Progesterone and fetal-neonatal neuroprotection. 2020 , 69, 50-61		1
185	Research progress and treatment strategies for anesthetic neurotoxicity. 2020 , 164, 37-44		3
184	Prenatal sevoflurane exposure causes neuronal excitatory/inhibitory imbalance in the prefrontal cortex and neurofunctional abnormality in rats. 2020 , 146, 105121		6
183	Preclinical methodological approaches investigating of the effects of alcohol on perinatal and adolescent neurodevelopment. <i>Neuroscience and Biobehavioral Reviews</i> , 2020 , 116, 436-451	9	2
182	Striatal cholinergic interneuron numbers are increased in a rodent model of dystonic cerebral palsy. 2020 , 144, 105045		
181	Zika Virus Infection Leads to Variable Defects in Multiple Neurological Functions and Behaviors in Mice and Children. 2020 , 7, 1901996		3
180	Neurosteroids and Seizure Activity. 2020 , 11, 541802		7
179	Maternal Microbiome and Infections in Pregnancy. 2020 , 8,		10
178	An isolated retrograde-perfused newborn mouse heart preparation. 2020 , 7, 101058		0
177	Human and monkey infant attention to dynamic social and nonsocial stimuli. <i>Developmental Psychobiology</i> , 2020 , 62, 841-857	3	2
176	Automated cot-side tracking of functional brain age in preterm infants. 2020 , 7, 891-902		9
175	Rodent models of post-traumatic stress disorder: behavioral assessment. 2020 , 10, 132		33
174	Brain Wiring and Supragranular-Enriched Genes Linked to Protracted Human Frontal Cortex Development. 2020 , 30, 5654-5666		7
173	Neurodevelopmental Disorders. 2020 ,		0

172	Closing the gap from transcription to the structural connectome enhances the study of connections in the human brain. 2020 , 249, 1047-1061		5
171	Gut microbiota manipulation during the prepubertal period shapes behavioral abnormalities in a mouse neurodevelopmental disorder model. <i>Scientific Reports</i> , 2020 , 10, 4697	4.9	11
170	Endogenous brain-sparing responses in brain pH and PO in a rodent model of birth asphyxia. 2020 , 229, e13467		14
169	Arrested Development: A Story of How Perinatal Cannabinoids Affect the Maturation of the Prefrontal Cortex. 2020 , 87, 595-596		
168	Effects of pre- and postnatal protein restriction on maternal and offspring metabolism in the nonhuman primate. 2020 , 318, R929-R939		5
167	Prolonged methamphetamine exposure during a critical period in neonatal Sprague Dawley rats does not exacerbate egocentric and allocentric learning deficits but increases reference memory impairments. <i>International Journal of Developmental Neuroscience</i> , 2020 , 80, 163-174	2.7	1
166	Effect of postnatal photoperiod on DNA methylation dynamics in the mouse brain. 2020 , 1733, 146725		1
165	Bacterial-induced maternal interleukin-17A pathway promotes autistic-like behaviors in mouse offspring. 2020 , 69, 250-260		7
164	Hypoxic-ischemic-related cerebrovascular changes and potential therapeutic strategies in the neonatal brain. 2020 , 98, 1468-1484		20
163	Effect of α -lipoic acid on spatial memory and structural integrity of developing hippocampal neurons in rats subjected to sodium arsenite exposure. 2020 , 75, 103323		6
162	Scientific opinion concerning the killing of rabbits for purposes other than slaughter. 2020 , 18, e05943		3
161	Infantile Spasms: An Update on Pre-Clinical Models and EEG Mechanisms. 2020 , 7,		10
160	Melatonin mitigates hippocampal and cognitive impairments caused by prenatal irradiation. 2020 , 52, 3575-3594		4
159	Maternal dietary patterns are associated with susceptibility to a depressive-like phenotype in rat offspring. 2021 , 47, 100879		11
158	Hydrolytic biotransformation of the bumetanide ester prodrug DIMAEB to bumetanide by esterases in neonatal human and rat serum and neonatal rat brain-A new treatment strategy for neonatal seizures?. 2021 , 62, 269-278		1
157	Phenobarbital and midazolam suppress neonatal seizures in a noninvasive rat model of birth asphyxia, whereas bumetanide is ineffective. 2021 , 62, 920-934		15
156	GABA synaptopathy promotes the elevation of caspases 3 and 9 as pro-apoptotic markers in Egyptian patients with autism spectrum disorder. 2021 , 121, 489-501		4
155	Revisiting Basal Anthropology: A Developmental Approach to Human Evolution and Sociality. 2021 , 89-118		2

154	Effects of Maternal Abdominal Surgery on Fetal Brain Development in the Rabbit Model. 2021 , 48, 189-200		3
153	Maternal methamphetamine and impact on the developing brain. 2021 , 185-195		
152	Serotonin depletion during the postnatal developmental period causes behavioral and cognitive alterations and decreases BDNF level in the brain of rats. <i>International Journal of Developmental Neuroscience</i> , 2021 , 81, 179-190	2.7	3
151	The Impact of Neonatal Methamphetamine on Spatial Learning and Memory in Adult Female Rats. 2021 , 15, 629585		
150	Cutting across structural and transcriptomic scales translates time across the lifespan in humans and chimpanzees. 2021 , 288, 20202987		3
149	Associative memory persistence in 3- to 5-year-olds. 2021 , 24, e13105		2
148	Impact of preweaning stress on long-term neurobehavioral outcomes in Sprague-Dawley rats: Differential effects of barren cage rearing, pup isolation, and the combination. 2021 , 84, 106956		2
147	Critical aspects of neurodevelopment. 2021 , 180, 107415		1
146	Alterations in the behavior, cognitive function, and BDNF level in adult male rats following neonatal blockade of GABA-A receptors. 2021 , 169, 35-42		3
145	Quantification of magnetic resonance spectroscopy data using a combined reference: Application in typically developing infants. 2021 , 34, e4520		1
144	Effects of Maternal Resveratrol Intake on the Metabolic Health of the Offspring. 2021 , 22,		0
143	The negentropic theory of ontogeny: A new model of eutherian life history transitions?. 1		3
142	Vitamin C Deficiency in the Young Brain-Findings from Experimental Animal Models. 2021 , 13,		0
141	Fetally-injected drugs for immobilization and analgesia do not modify fetal brain development in a rabbit model. 2021 , 41, 1164-1170		1
140	Dynamic miRNA changes during the process of epileptogenesis in an infantile and adult-onset model. <i>Scientific Reports</i> , 2021 , 11, 9649	4.9	2
139	Entry of antiepileptic drugs (valproate and lamotrigine) into the developing rat brain. 2021 , 10, 384		2
138	Effects of general anaesthesia during pregnancy on neurocognitive development of the fetus: a systematic review and meta-analysis. 2021 , 126, 1128-1140		3
137	Sex-Specific Effects of Stress on Respiratory Control: Plasticity, Adaptation, and Dysfunction. 2021 , 11, 2097-2134		2

136	The Effect of High Fat Diet on Cerebrovascular Health and Pathology: A Species Comparative Review. <i>Molecules</i> , 2021 , 26,	4.8	3
135	Non-human Primate Models to Investigate Mechanisms of Infection-Associated Fetal and Pediatric Injury, Teratogenesis and Stillbirth. 2021 , 12, 680342		1
134	Entry of antiepileptic drugs (valproate and lamotrigine) into the developing rat brain. 2021 , 10, 384		2
133	Glia Not Neurons: Uncovering Brain Dysmaturation in a Rat Model of Alzheimer's Disease. 2021 , 9,		1
132	Gestational Hypoxia and Blood-Brain Barrier Permeability: Early Origins of Cerebrovascular Dysfunction Induced by Epigenetic Mechanisms. 2021 , 12, 717550		1
131	GABA and glutamate in the preterm neonatal brain: In-vivo measurement by magnetic resonance spectroscopy. 2021 , 238, 118215		5
130	Comparative Milestones in Rodent and Human Postnatal Central Nervous System Development. 2021 , 49, 1368-1373		4
129	Early or Late Gestational Exposure to Maternal Immune Activation Alters Neurodevelopmental Trajectories in Mice: An Integrated Neuroimaging, Behavioral, and Transcriptional Study. 2021 , 90, 328-341		6
128	Long-term functional alterations following prenatal GLP-1R activation. 2021 , 87, 106984		1
127	Maternal immune activation in rodent models: A systematic review of neurodevelopmental changes in gene expression and epigenetic modulation in the offspring brain. <i>Neuroscience and Biobehavioral Reviews</i> , 2021 , 129, 389-421	9	3
126	Prenatal stress dysregulates resting-state functional connectivity and sensory motifs. 2021 , 15, 100345		
125	Low-dose candesartan prevents schizophrenia-like behavioral alterations in a neurodevelopmental two-hit model of schizophrenia. 2021 , 111, 110348		0
124	Studying the Contribution of Serotonin to Neurodevelopmental Disorders. Can This Fly?. 2020 , 14, 601449		2
123	Pathology Methods in Nonclinical Neurotoxicity Studies: The Developing Central Nervous System. 339-363		4
122	Using Pluripotent Stem Cells and Their Progeny as an In Vitro Model to Assess (Developmental) Neurotoxicity. 279-320		1
121	Dysregulation of Neurite Outgrowth and Cell Migration in Autism and Other Neurodevelopmental Disorders. 2020 , 25, 109-153		7
120	Impact of environmental neurotoxic: current methods and usefulness of human stem cells. 2020 , 6, e05773		4
119	Experimental evidence for yawn contagion in orangutans (<i>Pongo pygmaeus</i>). <i>Scientific Reports</i> , 2020 , 10, 22251	4.9	12

118	General anesthetics and the developing brain. 2009 , 22, 368-73	125
117	Spinal anesthesia in infant rats: development of a model and assessment of neurologic outcomes. 2011 , 114, 1325-35	34
116	Early or late gestational exposure to maternal immune activation alters neurodevelopmental trajectories in mice: an integrated neuroimaging, behavioural, and transcriptional study.	1
115	Brain wiring and supragranular-enriched genes linked to protracted human frontal cortex development.	1
114	Functional connectivity fMRI of the rodent brain: comparison of functional connectivity networks in rat and mouse. 2011 , 6, e18876	164
113	Neurodevelopmental consequences of sub-clinical carbon monoxide exposure in newborn mice. 2012 , 7, e32029	22
112	Impact of carnivory on human development and evolution revealed by a new unifying model of weaning in mammals. 2012 , 7, e32452	19
111	Early second trimester maternal plasma choline and betaine are related to measures of early cognitive development in term infants. 2012 , 7, e43448	84
110	Effect of propofol in the immature rat brain on short- and long-term neurodevelopmental outcome. 2013 , 8, e64480	45
109	The Impact of Prenatal Exposure to Dexamethasone on Gastrointestinal Function in Rats. 2016 , 11, e0161750	4
108	Long-term persistence of infectious Zika virus: Inflammation and behavioral sequela in mice. 2020 , 16, e1008689	7
107	Maternal Immune Activation Alters Adult Behavior, Gut Microbiome and Juvenile Brain Oscillations in Ferrets. 2018 , 5,	14
106	Prenatal Opioid Exposure Enhances Responsiveness to Future Drug Reward and Alters Sensitivity to Pain: A Review of Preclinical Models and Contributing Mechanisms. 2020 , 7,	3
105	ACHIEVEMENTS AND CONSTRAINTS OF PEDIATRIC ANESTHESIOLOGY AND INTENSIVE CARE. 2019 , 16, 34-43	1
104	Diverse changes in myelin protein expression in rat brain after perinatal methadone exposure. 2020 , 79, 367-373	4
103	Acute brain inflammation, white matter oxidative stress, and myelin deficiency in a model of neonatal intraventricular hemorrhage. 2020 , 1-11	8
102	Early exposure to nicotine during critical periods of brain development: Mechanisms and consequences. 2010 , 1, 125-141	22
101	Differences in maternal behavior and development of their pups depend on the time of methamphetamine exposure during gestation period. 2014 , 63, S559-72	17

100	Exposure to methamphetamine during first and second half of prenatal period and its consequences on cognition after long-term application in adulthood. 2014 , 63, S535-45	12
99	Does effect from developmental methamphetamine exposure on spatial learning and memory depend on stage of neuroontogeny?. 2016 , 65, S577-S589	10
98	Review of long-term consequences of maternal methamphetamine exposure. 2019 , 68, S219-S231	6
97	The Evaluation of Sevoflurane-Induced Apoptotic Neurodegeneration with MicroPET Using [18F]-DFNSH in the Developing Rat Brain. 2013 , 2, 1-7	9
96	The Antioxidant System Activity during Normal Pregnancy and Pregnancy Followed by Hypoxic Stress. 2021 , 76, 104-110	0
95	Neuropathology Evaluation in Juvenile Toxicity Studies in Rodents: Comparison of Developmental Neurotoxicity Studies for Chemicals With Juvenile Animal Studies for Pediatric Pharmaceuticals. 2021 , 49, 1405-1415	2
94	Regulatory Perspectives on Juvenile Animal Toxicologic Pathology. 2021 , 49, 1393-1404	
93	Can breastfeeding affect the rest of our life?. <i>Neuropharmacology</i> , 2021 , 200, 108821	5.5 3
92	Fetal and Neonatal Neurologic Injury. 2009 , 185-208	
91	Perinatal Rhesus Monkey Models and Anesthetic-Induced Neuronal Cell Death. 95-109	
90	Impact of Pediatric Surgery and Anesthesia on Brain Development. 1183-1218	
89	The Developing Nervous System. 2014 ,	
88	Neurotoxicity of Anesthetic Agents for Developing and Adult Brain. 2015 , 127-137	
87	Cerebral Palsy: Underlying Causes and Animal Models. 1-12	0
86	Alterations in Caspase-3 in Juvenile Rats Treated Neonatally with Domoic Acid. <i>Journal of Behavioral and Brain Science</i> , 2016 , 06, 357-363	0.3
85	Long-Term Consequences of Anesthesia (and Surgery) on the Infant Brain. <i>Anesthesia, Intensive Care and Pain in Neonates and Children</i> , 2016 , 437-446	2.1
84	Prenatal and Early Postnatal Influences on Neurodevelopment: The Role of Epigenetics. 2019 , 109-129	
83	High angular resolution diffusion MRI reveals conserved and deviant programs in the paths that guide human cortical circuitry.	1

82	Deletion of the creatine transporter gene in neonatal, but not adult, mice lead to cognitive deficits.		
81	Automated cot-side tracking of functional brain age in preterm infants.		
80	Endogenous responses in brain pH and PO2 in a rodent model of birth asphyxia.		
79	A physiologically-validated rat model of term birth asphyxia with seizure generation after, not during, brain hypoxia.		
78	Life-long persistence of infectious Zika virus: inflammation and behavioral sequela.		1
77	Prenatal Stress Dysregulates Resting-State Functional Connectivity and Sensory Motifs.		
76	Cutting across structural and transcriptomic scales translates time across the lifespan and resolves frontal cortex development in human evolution.		
75	Sex- and age-dependent differences in nicotine susceptibility evoked by developmental exposure to tobacco smoke and/or ethanol in mice. <i>Journal of Developmental Origins of Health and Disease</i> , 2020 , 1-12	2.4	0
74	Morphological Characterization of the Developing Greater Cane Rat (<i>Thryonomys swinderianus</i>) Brain. <i>Developmental Neuroscience</i> , 2020 , 42, 114-123	2.2	
73	Striatal cholinergic interneuron numbers are increased in a rodent model of dystonic cerebral palsy.		
72	A Rat Model of Fetal Alcohol Syndrome: A Series of Undergraduate Laboratory Exercises for Biopsychology Courses. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2017 , 15, A144-A150	0.6	
71	[Effect of propofol on myelin basic protein expression and myelination of oligodendrocytes in neonatal SD rats]. <i>Nan Fang Yi Ke Da Xue Xue Bao = Journal of Southern Medical University</i> , 2019 , 39, 950-956	0.5	0.5
70	Adolescent neuroimmune function and its interaction with alcohol. <i>International Review of Neurobiology</i> , 2022 , 161, 167-208	4.4	2
69	The Phosphorylated Form of the Histone H2AX (γH2AX) in the Brain from Embryonic Life to Old Age. <i>Molecules</i> , 2021 , 26,	4.8	1
68	The effects of neonatal procedural pain and maternal isolation on hippocampal cell proliferation and reelin concentration in neonatal and adult male and female rats. <i>Developmental Psychobiology</i> , 2021 , 63, e22212	3	0
67	Neurocognitive Effects of Fetal Exposure to Anesthesia. <i>Anesthesiology Clinics</i> , 2021 , 39, 851-869	2.3	0
66	Murine cerebral organoids develop network of functional neurons and hippocampal brain region identity.. <i>iScience</i> , 2021 , 24, 103438	6.1	3
65	Repetitive mild traumatic brain injury in an awake, unanesthetized mouse model of perinatal nicotine exposure produces transient novelty-seeking and depression-like behaviors.. <i>Journal of Neurotrauma</i> , 2021 ,	5.4	

64	Got Milk? Maternal immune activation during the mid-lactational period affects nutritional milk quality and adolescent offspring sensory processing in male and female rats.		0
63	Animal Models for Assessing Impact of C-Section Delivery on Biological Systems.. <i>Neuroscience and Biobehavioral Reviews</i> , 2022 , 104555	9	0
62	Maternal exercise during pregnancy increases neuregulin-1 and ErbB4 expression in the newborn offspring of Wistar rats. <i>Sport Sciences for Health</i> , 1	1.3	0
61	Behavioral Deficits in Adolescent Mice after Sub-Chronic Administration of NMDA during Early Stage of Postnatal Development.. <i>Biomolecules and Therapeutics</i> , 2022 ,	4.2	0
60	Application of Nonhuman Primate Models in the Studies of Pediatric Anesthesia Neurotoxicity.. <i>Anesthesia and Analgesia</i> , 2022 ,	3.9	1
59	Developmental neurotoxicity of drugs of abuse. 2022 , 359-377		
58	Early Childhood Education: Access Through 1990s Neuroscience. <i>Studies in Brain and Mind</i> , 2022 , 21-51	0.3	
57	Postnatal depletion of serotonin affects the morphology of neurons and the function of the hippocampus in male rats.. <i>International Journal of Developmental Neuroscience</i> , 2022 ,	2.7	0
56	Propofol toxicity in the developing mouse heart mitochondria.. <i>Pediatric Research</i> , 2022 ,	3.2	0
55	Oxytocin receptor expression patterns in the human brain across development.. <i>Neuropsychopharmacology</i> , 2022 ,	8.7	2
54	Emerging therapies for brain recovery after IVH in neonates: Cord blood derived Mesenchymal Stem Cells (MSC) and Unrestricted Somatic Stem Cells (USSC).. <i>Seminars in Perinatology</i> , 2022 , 151598	3.3	0
53	Nicotine and the developing brain: Insights from preclinical models.. <i>Pharmacology Biochemistry and Behavior</i> , 2022 , 214, 173355	3.9	0
52	Investigating the Two-hit hypothesis effects of prenatal maternal immune activation and adolescent cannabis use on neurodevelopment in mice.		
51	Impact of angiotensin II receptor antagonism on the sex-selective dysregulation of cardiovascular function induced by in utero dexamethasone exposure.. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022 , 322, H597-H606	5.2	2
50	Mechanisms of neuroinflammation in hydrocephalus after intraventricular hemorrhage: a review.. <i>Fluids and Barriers of the CNS</i> , 2022 , 19, 28	7	1
49	Assessment of behavioral, morphological and electrophysiological changes in prenatal and postnatal valproate induced rat models of autism spectrum disorder. <i>Scientific Reports</i> , 2021 , 11, 23471	4.9	1
48	data_sheet_1.docx. 2018 ,		
47	Perinatal methadone exposure attenuates myelination and induces oligodendrocyte apoptosis in neonatal rat brain.. <i>Experimental Biology and Medicine</i> , 2022 , 15353702221090457	3.7	0

46	Points of divergence on a bumpy road: early development of brain and immune threat processing systems following postnatal adversity. <i>Molecular Psychiatry</i> ,	15.1	0
45	Prolonged sevoflurane exposure causes abnormal synapse development and dysregulates beta-neurexin and neuroligins in the hippocampus in neonatal rats. <i>Journal of Affective Disorders</i> , 2022 , 312, 22-29	6.6	
44	Air Pollution and Neurodevelopmental Disorders. 2022 , 237-275		
43	Considerations for and against dosing rodent pups before 7 days of age in juvenile toxicology studies. <i>Reproductive Toxicology</i> , 2022 , 112, 77-87	3.4	1
42	The potential involvement of inhaled iron (Fe) in the neurotoxic effects of ultrafine particulate matter air pollution exposure on brain development in mice. 2022 , 19,		0
41	Palmitoylethanolamide attenuates neurodevelopmental delay and early hippocampal damage following perinatal asphyxia in rats. 16,		
40	Modeling propofol-induced cardiotoxicity in the isolated-perfused newborn mouse heart. 2022 , 10,		
39	Air PollutionRelated Neurotoxicity Across the Life Span. 2023 , 63,		0
38	The effects of long-term methylphenidate administration and withdrawal on progressive ratio responding and T2 MRI in the male rhesus monkey. 2022 , 93, 107119		1
37	Trauma-related psychopathology in children and adolescents: recent developments and future directions. 2023 , 145-174		0
36	Acoustic Startle and Pre-Pulse Inhibition Deficits in Adult Monkeys with Neonatal Lesions of the Hippocampus, Amygdala and Orbital Frontal Cortex.		0
35	References. 2022 , 13-14		0
34	Investigating the Two-hit hypothesis—Effects of prenatal maternal immune activation and adolescent cannabis use on neurodevelopment in mice. 2023 , 120, 110642		0
33	Normal Neurodevelopment and Fertility in Juvenile Male Rats Exposed to Polyethylene Glycol Following Dosing With PEGylated rFIX (Nonacog Beta Pegol, N9-GP): Evidence from a 10-Week Repeat-Dose Toxicity Study. 109158182211210		0
32	Got milk? Maternal immune activation during the mid-lactational period affects nutritional milk quality and adolescent offspring sensory processing in male and female rats.		0
31	Gestational hypoxia in late pregnancy differentially programs subcortical brain maturation in male and female rat offspring. 2022 , 13,		0
30	Animal evidence considered in determination of cannabis smoke and Δ^9 -tetrahydrocannabinol (Δ^9 -THC) as causing reproductive toxicity (developmental endpoint); part II . Neurodevelopmental effects.		0
29	Understanding the Tissue Specificity of ZIKV Infection in Various Animal Models for Vaccine Development. 2022 , 10, 1517		0

- 28 Cognitive and behavioral effects of whole brain conventional or high dose rate (FLASH) proton irradiation in a neonatal Sprague Dawley rat model. **2022**, 17, e0274007 ○
- 27 Montelukast reduces grey matter abnormalities and functional deficits in a mouse model of inflammation-induced encephalopathy of prematurity. **2022**, 19, ○
- 26 Early neurodevelopmental reflex impairments in a rodent model of Cerebral Palsy. ○
- 25 Transcription, structure, and organoids translate time across the lifespan of humans and great apes. ○
- 24 Effects of prenatal opioid exposure on synaptic adaptations and behaviors across development. **2022**, 109312 ○
- 23 Within versus between group designs, and not timing of onset of puberty, influence sex and age differences in intake of palatable food in rats. **2022**, 257, 113997 ○
- 22 Acoustic startle and prepulse inhibition deficits in adult monkeys with neonatal lesions of the hippocampus, amygdala and orbital frontal cortex. **2023**, 438, 114170 ○
- 21 Beneficial effects of enriched environment on behavior, cognitive functions, and hippocampal brain-derived neurotrophic factor level following postnatal serotonin depletion in male rats. ○
- 20 The outcome of early life status epilepticus lessons from laboratory animals. ○
- 19 Placental vascular alterations are associated with early neurodevelopmental and pulmonary impairment in the rabbit fetal growth restriction model. **2022**, 12, ○
- 18 Surfactant Protein A Attenuates Generalized and Localized Neuroinflammation In Neonatal Mice. ○
- 17 Neonatal exposure to ultrafine iron but not combined iron and sulfur aerosols recapitulates air pollution-induced impulsivity in mice. **2023**, 94, 191-205 ○
- 16 Modeling brain injury: Neonatal intraventricular hemorrhage. **2023**, 159-169 ○
- 15 Modeling the effect of anesthesia in pregnancy and impact on the fetal brain: Studies in rabbits. **2023**, 579-597 ○
- 14 Introduction and history of anaesthesia-induced neurotoxicity and overview of animal models. **2022**, ○
- 13 Neuroprotective effect of Src kinase in hypoxia-ischemia: A systematic review. 16, ○
- 12 Sex differences in hippocampal structural plasticity and glycosaminoglycan disaccharide levels after neonatal handling. **2022**, 114313 ○
- 11 Comparer Pommes et Oranges: Perils of Translating Rodent Studies to Human Outcomes. **2023**, 136, 238-239 ○

- 10 Calpain-TRPC6 signaling pathway contributes to propofol-induced developmental neurotoxicity in rats. **2023**, 95, 56-65
- 9 Altered dendritic morphology in dorsolateral prefrontal cortex of nonhuman primates prenatally exposed to maternal immune activation. **2023**, 109, 92-101
- 8 Safety and Outcome in Pediatric Anesthesia. **2017**, 1318-1331.e6
- 7 Maternal exposure to polystyrene nanoplastics impacts developmental milestones and brain structure in mouse offspring. **2023**, 2, 622-628
- 6 Surfactant protein a attenuates generalized and localized neuroinflammation in neonatal mice. **2023**, 1807, 148308
- 5 Anesthetic neurotoxicity in the pediatric population: a systematic review of the clinical evidence. **2020**, 71, 51-65
- 4 Body size and brain volumetry in the rat following prolonged morphine administration in infancy and adulthood. 4,
- 3 Propofol-Induced Developmental Neurotoxicity: From Mechanisms to Therapeutic Strategies. **2023**, 14, 1017-1032
- 2 Alcohol and lactation: Developmental deficits in a mouse model. 17,
- 1 Divergent pattern of development in rats and humans.