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0054	統合_2554	体内動態	ADME	2	Comparison of life-stage-dependent internal dosimetry for bisphenol A, ethinyl estradiol, a reference estrogen, and endogenous estradiol to test an estrogenic mode of action in Sprague Dawley rats	Churchwell et al.	2014	Toxicol Sci		
0055	統合_1079	一般毒性	一般毒性;多臓器	1	Analysis of Blood Biochemistry and Pituitary-Gonadal Histology after Chronic Exposure to Bisphenol-A of Mice	Molina-López et al.	2022	Int J Environ Res Public Health		
0056	統合_1398	一般毒性	一般毒性;繁殖、生化	2	Analysis of Indirect Biomarkers of Effect after Exposure to Low Doses of Bisphenol A in a Study of Successive Generations of Mice	Bujalance-Reyes et al.	2022	Animals (Basel)		
0057	統合_2466	一般毒性	一般毒性;唾液腺への影響	2	Oral Homeostasis Disruption by Medical Plasticizer Component Bisphenol A in Adult Male Rats	Folia et al.	2013	Laryngoscope		
0058	統合_2474	一般毒性	一般毒性;主に肝臓	3	Low-Dose Bisphenol A Increases Bile Duct Proliferation in Juvenile Rats: A Possible Evidence for Risk of Liver Cancer in the Exposed Population?	Jeong et al.	2017	Biomol Ther		
0059	統合_2980	一般毒性	一般毒性（用量反応性解析）	3	CLARITY-BPA Core Study: analysis for non monotonic dose-responses and biological relevance	Badding et al.	2019	Food Chem Toxicol		
0060	統合_2419	免疫毒性	免疫	1	The effects of maternal exposure to bisphenol A on allergic lung inflammation into adulthood	Bauer et al.	2012	Toxicol Sci		
0061	統合_2468	免疫毒性	免疫	1	Impacts of Bisphenol A and Ethinyl Estradiol on Male and Female CD-1 Mouse Spleen	Gear et al.	2017	Sci Rep		
0062	統合_2491	免疫毒性	免疫	1	CLARITY-BPA: Effects of chronic Bisphenol A exposure on the immune system: Part 1 - Quantification of the relative number and proportion of leukocyte populations in the spleen and thymus	Li et al.	2018	Toxicology		
0063	統合_2492	免疫毒性	免疫	1	CLARITY-BPA: Effects of chronic bisphenol A exposure on the immune system: Part 2 - Characterization of lymphoproliferative and immune effector responses by splenic leukocytes	Li et al.	2018	Toxicology		
0064	統合_2493	免疫毒性	免疫	1	Bisphenol A and phthalates modulate peritoneal macrophage function in female mice involving SYMD2-H3K36 dimethylation	Li et al.	2018	Endocrinology		
0065	統合_2501	免疫毒性	免疫	1	Food intolerance at adulthood after perinatal exposure to the endocrine disruptor bisphenol A	Menard et al.	2014	Faseb J		
0066	統合_2506	免疫毒性	免疫	2	Perinatal bisphenol A exposures increase production of pro-inflammatory mediators in bone marrow-derived mast cells of adult mice	O'Brien et al.	2014	J Immunotoxicol		

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0067	統合_2507	免疫毒性	免疫	1	The effects of bisphenol A on some plasma cytokine levels and distribution of CD8(+) and CD4(+) T lymphocytes in spleen, ileal Peyer's patch and bronchus associated lymphoid tissue in rats	Ozaydin et al.	2018	Acta Histochem		
0068	統合_2556	免疫毒性	免疫	3	Effects of bisphenol A on inflammation and Th17 cells in adipose tissue of high-fat fed mice	Luo et al.	2017	Wei Sheng Yan Jiu		
0069	統合_3047	免疫毒性	免疫	1	Prenatal exposure to bisphenol S and bisphenol A differentially affects male reproductive system in the adult offspring	Molangiri et al.	2022	Food Chem Toxicol		
0070	統合_0847	代謝影響	代謝	1	Gestational bisphenol A exposure impairs hepatic lipid metabolism by altering mTOR/CRTC2/SREBP1 in male rat offspring	Yang et al.	2022	Hum Exp Toxicol		
0071	統合_1137	代謝影響	代謝	1	Gestational bisphenol A exposure induces fatty liver development in male offspring mice through the inhibition of HNF1b and upregulation of PPAR γ	Long et al.	2021	Cell Biol Toxicol		
0072	統合_1145	代謝影響	代謝	2	Enzyme-Mediated Reactions of Phenolic Pollutants and Endogenous Metabolites as an Overlooked Metabolic Disruption Pathway	Liu et al.	2022	Environ Sci Technol		
0073	統合_1162	代謝影響	代謝	1	Bisphenol A exposure induces cholesterol synthesis and hepatic steatosis in C57BL/6 mice by down-regulating the DNA methylation levels of SREBP-2	Li et al.	2019	Food Chem Toxicol		
0074	統合_1238	代謝影響	代謝	1	Metabonomics reveals bisphenol A affects fatty acid and glucose metabolism through activation of LXR in the liver of male mice	Ji et al.	2020	Sci Total Environ		
0075	統合_1255	代謝影響	代謝	1	Impact of Maternal BPA Exposure during Pregnancy on Obesity in Male Offspring: A Mechanistic Mouse Study of Adipose-Derived Exosomal miRNA	Huang et al.	2025	Environ Health Perspect		
0076	統合_1287	代謝影響	代謝	1	Chronic exposure of bisphenol A impairs carbohydrate and lipid metabolism by altering corresponding enzymatic and metabolic pathways	Haq et al.	2020	Environ Toxicol Pharmacol		
0077	統合_1368	代謝影響	代謝	2	Unravelling bisphenol A-induced hepatotoxicity: Insights into oxidative stress, inflammation, and energy dysregulation	Das et al.	2024	Environ Pollut		
0078	統合_1443	代謝影響	代謝	1	Metabolic effects of nuclear receptor activation in vivo after 28-day oral exposure to three endocrine-disrupting chemicals	Attema et al.	2024	Arch Toxicol		
0079	統合_2194	代謝影響	代謝	2	Standardized pectolinarin rich-Cirsium setidens Nakai extract attenuates bisphenol A-induced the 3T3-L1 adipocytes differentiation and obese C57BL/6J mice via the suppression of adipogenesis-related transcription factors	Choi et al.	2022	J Funct Foods		

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0080	統合_2418	代謝影響	代謝	2	Bisphenol A exposure increases liver fat in juvenile fructose-fed Fischer 344 rats	Ronn et al.	2013	Toxicology		
0081	統合_2421	代謝影響	代謝	2	Bisphenol A impairs insulin signaling and glucose homeostasis and decreases steroidogenesis in rat testis: an in vivo and in silico study	D'Cruz et al.	2012	Food Chem Toxicol		
0082	統合_2430	代謝影響	代謝	1	Low doses of bisphenol A induce gene expression related to lipid synthesis and trigger triglyceride accumulation in adult mouse liver	Marmugi et al.	2012	Hepatology		
0083	統合_2438	代謝影響	代謝	2	Changed preference for sweet taste in adulthood induced by perinatal exposure to bisphenol A-A probable link to overweight and obesity	Xu et al.	2011	Neurotoxicol Teratol		
0084	統合_2450	代謝影響	代謝	2	Impact of Gestational Bisphenol A on Oxidative Stress and Free Fatty Acids: Human Association and Interspecies Animal Testing Studies	Veiga-Lopez et al.	2015	Endocrinology		
0085	統合_2457	代謝影響	代謝	2	Municipal wastewater affects adipose deposition in male mice and increases 3T3-L1 cell differentiation	Biasiotto et al.	2016	Toxicol Appl Pharmacol		
0086	統合_2499	代謝影響	代謝	1	Adverse effects of long-term exposure to bisphenol A during adulthood leading to hyperglycaemia and hypercholesterolemia in mice	Marmugi et al.	2014	Toxicology		
0087	統合_2508	代謝影響	代謝	1	Effects of bisphenol A on antioxidant system and lipid profile in rats	Ozaydin et al.	2018	Biotech Histochem		
0088	統合_2529	代謝影響	代謝	1	Programming of metabolic effects in C57BL/6JxFVB mice by exposure to bisphenol A during gestation and lactation	van Esterik et al.	2014	Toxicology		
0089	統合_2542	代謝影響	代謝	1	Sex- and Strain-dependent Effects of Bisphenol: A Consumption in Juvenile Mice	Wyatt et al.	2016	J Diabet Metab		
0090	統合_2544	代謝影響	代謝	1	Bisphenol A Promotes Adiposity and Inflammation in a Nonmonotonic Dose-response Way in 5-week-old Male and Female C57BL/6J Mice Fed a Low-calorie Diet	Yang et al.	2016	Endocrinology		
0091	統合_2545	代謝影響	代謝	2	Dysregulated Autophagy in Hepatocytes Promotes Bisphenol A-Induced Hepatic Lipid Accumulation in Male Mice	Yang et al.	2017	Endocrinology		
0092	統合_0819	神経毒性及び発達神経毒性	神経	1	Bisphenol a exposure decreases learning ability through the suppression of mitochondrial oxidative phosphorylation in the hippocampus of male mice	Zhang et al.	2022	Food Chem Toxicol	A	
0093	統合_0829	神経毒性及び発達神経毒性	神経	1	Bisphenol A in utero induced glutamate and D-serine metabolic dysregulation in the hippocampus of rats and primary cultured astrocytes	Zhang et al.	2025	Ecotoxicol Environ Saf	A	

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0094	統合_0838	神経毒性及び 発達神経毒性	神経	1	Involvement of NMDAR/PSD-95/nNOS-NO-cGMP pathway in embryonic exposure to BPA induced learning and memory dysfunction of rats	Yu et al.	2020	Environ Pollut	A	
0095	統合_0873	神経毒性及び 発達神経毒性	神経	1	Prenatal exposure to low-dose bisphenol A disrupts hippocampal DNA methylation and demethylation in male rat offspring	Wang et al.	2024	Toxicol Ind Health	A	
0096	統合_0893	神経毒性及び 発達神経毒性	発達神経毒性	1	Chronic exposure of bisphenol-A impairs cognitive function and disrupts hippocampal insulin signaling pathway in male mice	Wang et al.	2022	Toxicology	A	
0097	統合_0896	神経毒性及び 発達神経毒性	神経	1	Maternal exposure to low doses of bisphenol A affects learning and memory in male rat offspring with abnormal N-methyl-d-aspartate receptors in the hippocampus	Wang et al.	2021	Toxicol Ind Health	A	
0098	統合_0911	神経毒性及び 発達神経毒性	神経	1	Maternal Dietary Exposure to Low-Dose Bisphenol A Affects Metabolic and Signaling Pathways in the Brain of Rat Fetuses	Tonini et al.	2020	Nutrients	A	
0099	統合_0992	神経毒性及び 発達神経毒性	神経	1	Maternal Bisphenol A Exposure Induces Hippocampal-Dependent Learning and Memory Deficits Through the PI3K/Akt/mTOR Pathway in Male Offspring Rats	Ren et al.	2025	J Biochem Mol Toxicol	A	
0100	統合_0999	神経毒性及び 発達神経毒性	神経	1	Prenatal bisphenol-A exposure altered exploratory and anxiety-like behaviour and induced non-monotonic, sex-specific changes in the cortical expression of CYP19A1, BDNF and intracellular signaling proteins in F1 rats	Raja et al.	2020	Food Chem Toxicol	B	
0101	統合_1052	神経毒性及び 発達神経毒性	神経	1	Bisphenol A impairs cognitive function and 5-HT metabolism in adult male mice by modulating the microbiota-gut-brain axis	Ni et al.	2021	Chemosphere	B	
0102	統合_1087	神経毒性及び 発達神経毒性	神経	2	Effect of BPA on CYP450s expression, and nicotine modulation, in fetal rat brain	Merii et al.	2022	Neurotoxicol Teratol	B	
0103	統合_1129	神経毒性及び 発達神経毒性	神経	1	Long-term potentiation and depression regulatory microRNAs were highlighted in Bisphenol A induced learning and memory impairment by microRNA sequencing and bioinformatics analysis	Luo et al.	2023	PLoS One	B	
0104	統合_1176	神経毒性及び 発達神経毒性	神経	1	Identification of core genes, critical signaling pathways, and potential drugs for countering BPA-induced hippocampal neurotoxicity in male mice	Lei et al.	2023	Food Chem Toxicol	B	
0105	統合_1288	神経毒性及び 発達神経毒性	神経	1	Identification of core genes and molecular prediction of drug targets for countering BPA-induced olfactory bulb neurotoxicity in male mice	Hao et al.	2024	Food Chem Toxicol	B	

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0106	統合_1295	神経毒性及び 発達神経毒性	神経	1	Perinatal exposure to bisphenol A impairs cognitive function via the gamma-aminobutyric acid signaling pathway in male rat offspring	Guo et al.	2024	Environ Toxicol	B	
0107	統合_2417	神経毒性及び 発達神経毒性	発達神経毒性	1	Sex-specific epigenetic disruption and behavioral changes following low-dose in utero bisphenol A exposure	Kundakovic et al.	2013	Proc Natl Acad Sci U S A	C	
0108	統合_2425	神経毒性及び 発達神経毒性	発達神経毒性	1	Pre- and postnatal bisphenol A treatment results in persistent deficits in the sexual behavior of male rats, but not female rats, in adulthood	Jones et al.	2011	Horm Behav	C	
0109	統合_2426	神経毒性及び 発達神経毒性	発達神経	1	Perinatal BPA exposure demasculinizes males in measures of affect but has no effect on water maze learning in adulthood	Jones and Watson	2012	Horm Behav	C	
0110	統合_2427	神経毒性及び 発達神経毒性	神経	1	Exposure to bisphenol A appears to impair hippocampal neurogenesis and spatial learning and memory	Kim et al.	2011	Food Chem Toxicol	C	
0111	統合_2431	神経毒性及び 発達神経毒性	神経	1	Effects of perinatal administration of Bisphenol A on the neuronal nitric oxide synthase expressing system in the hypothalamus and limbic system of CD1 mice	Martini et al.	2010	J Neuroendocrinol	C	
0112	統合_2444	神経毒性及び 発達神経毒性	発達神経	1	Developmental neurotoxicity study of dietary bisphenol A in Sprague-Dawley rats	Stump et al.	2010	Toxicol Sci	C	
0113	統合_2451	神経毒性及び 発達神経毒性	発達神経	1	Impact of Low Dose Oral Exposure to Bisphenol A (BPA) on the Neonatal Rat Hypothalamic and Hippocampal Transcriptome: A CLARITY-BPA Consortium Study	Arambula et al.	2016	Endocrinology	C	
0114	統合_2452	神経毒性及び 発達神経毒性	発達神経	1	Effects of perinatal bisphenol A exposure on the volume of sexually-dimorphic nuclei of juvenile rats: A CLARITY-SPA consortium study	Arambula et al.	2017	Neurotoxicology	D	
0115	統合_2453	神経毒性及び 発達神経毒性	発達神経	3	Prenatal bisphenol A (BPA) exposure alters the transcriptome of the neonate rat amygdala in a sex-specific manner: a CLARITY-BPA consortium study	Arambula et al.	2018	Neurotoxicology	D	
0116	統合_2477	神経毒性及び 発達神経毒性	神経	1	The Effects of Bisphenol A Exposure at Different Developmental Time Points in an Androgen-Sensitive Neuromuscular System in Male Rats	Jones et al.	2016	Endocrinology	D	
0117	統合_2487	神経毒性及び 発達神経毒性	神経	2	Bisphenol A Does Not Affect Memory Performance in Adult Male Rats	Kuwahara et al.	2014	Cellular Mol Neurobiol	D	
0118	統合_2500	神経毒性及び 発達神経毒性	発達神経	1	Prenatal exposure to bisphenol A interferes with the development of cerebellar granule neurons in mice and chicken	Mathisen et al.	2013	Int J Dev Neurosci	D	
0119	統合_2503	神経毒性及び 発達神経毒性	神経	2	Adverse effects of bisphenol A (BPA) on the dopamine system in two distinct cell models and corpus striatum of the Sprague-Dawley rat	Nowicki et al.	2016	J Toxicol Environ Health A	D	

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0120	統合_2513	神経毒性及び 発達神経毒性	発達神経	3	Impact of Low-Dose Oral Exposure to Bisphenol A (BPA) on Juvenile and Adult Rat Exploratory and Anxiety Behavior: A CLARITY-BPA Consortium Study	Rebuli et al.	2015	Toxicol Sci	D	
0121	統合_2514	神経毒性及び 発達神経毒性	発達神経	1	Investigation of the Effects of Subchronic Low Dose Oral Exposure to Bisphenol A (BPA) and Ethinyl Estradiol (EE) on Estrogen Receptor Expression in the Juvenile and Adult Female Rat Hypothalamus	Rebuli et al.	2014	Toxicol Sci	E	
0122	統合_2515	神経毒性及び 発達神経毒性	発達神経	2	Sex differences in microglial colonization and vulnerabilities to endocrine disruption in the social brain	Rebuli et al.	2016	Gen Comp Endocrinol	E	
0123	統合_2517	神経毒性及び 発達神経毒性	発達神経	1	Early exposure to bisphenol A alters neuron and glia number in the rat prefrontal cortex of adult males, but not females	Sadowski et al.	2014	Neuroscience	E	
0124	統合_2522	神経毒性及び 発達神経毒性	発達神経	1	A Novel Model for Neuroendocrine Toxicology: Neurobehavioral Effects of BPA Exposure in a Prosocial Species, the Prairie Vole (<i>Microtus ochrogaster</i>)	Sullivan et al.	2014	Endocrinology	E	
0125	統合_2525	神経毒性及び 発達神経毒性	発達神経	1	Inhibitory Effects of Bisphenol-A on Neural Stem Cells Proliferation and Differentiation in the Rat Brain Are Dependent on Wnt/beta-Catenin Pathway	Tiwari et al.	2015	Mol Neurobiol	E	
0126	統合_2532	神経毒性及び 発達神経毒性	発達神経	1	Impairment of object recognition memory by maternal bisphenol A exposure is associated with inhibition of Akt and ERK/CREB/BDNF pathway in the male offspring hippocampus	Wang et al.	2016	Toxicology	E	
0127	統合_2533	神経毒性及び 発達神経毒性	発達神経	1	Changes in memory and synaptic plasticity induced in male rats after maternal exposure to bisphenol A	Wang et al.	2014	Toxicology	E	
0128	統合_2539	神経毒性及び 発達神経毒性	発達神経	1	Long-term effects of adolescent exposure to bisphenol A on neuron and glia number in the rat prefrontal cortex: Differences between the sexes and cell type	Wise et al.	2016	Neurotoxicology	F	
0129	統合_2549	神経毒性及び 発達神経毒性	神経	1	Exposure to bisphenol-A affects fear memory and histone acetylation of the hippocampus in adult mice	Zhang et al.	2014	Horm Behav	F	
0130	統合_2559	神経毒性及び 発達神経毒性	発達神経	1	Neurobehavioral evaluation of mouse newborns exposed prenatally to low-dose bisphenol A	Nagao et al.	2014	J Toxicol Sci	F	
0131	統合_2562	神経毒性及び 発達神経毒性	発達神経	3	Perinatal bisphenol A (BPA) exposure alters brain oxytocin receptor (OTR) expression in a sex- and region- specific manner: A CLARITY-BPA consortium follow-up study	Witchev et al.	2019	Neurotoxicology	F	
0132	統合_3022	神経毒性及び 発達神経毒性	神経	1	Maternal exposure to environmental bisphenol A impairs the neurons in hippocampus across generations	Zhang et al.	2020	Toxicology	F	

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0133	統合_3031	神経毒性及び 発達神経毒性	発達神経	1	The effects of pubertal exposure to bisphenol-A on social behavior in male mice	Gao et al.	2020	Chemosphere	F	
0134	統合_3050	神経毒性及び 発達神経毒性	発達神経毒性	1	Environmentally relevant perinatal exposures to bisphenol a disrupt postnatal Kiss1/NKB neuronal maturation and puberty onset in female mice	Ruiz-Pino et al.	2019	Environ Health Perspect	F	
0135	統合_3068	神経毒性及び 発達神経毒性	発達神経	2	Gene expression and DNA methylation changes in the hypothalamus and hippocampus of adult rats developmentally exposed to bisphenol A or ethinyl estradiol: a CLARITY-BPA consortium study.	Cheong et al.	2018	Epigenetics	F	
0136	統合_0193	生殖・発生毒性	卵巣	2	Bisphenol a downregulates GLUT4 expression by activating aryl hydrocarbon receptor to exacerbate polycystic ovary syndrome	Shi et al.	2024	Cell Commun Signal	G	実験動物 の文献と して整理 (疫学ラン クは2)
0137	統合_0815	生殖・発生毒性	生殖ホルモン	1	Prenatal exposure to bisphenol A causes reproductive damage in F1 male rabbits due to inflammation and oxidative stress	Zhao et al.	2025	Ecotoxicol Environ Saf	G	
0138	統合_0818	生殖・発生毒性	精原細胞	1	Environmentally-relevant doses of bisphenol A and S exposure in utero disrupt germ cell programming across generations resolved by single nucleus multi-omics	Zhao et al.	2025	Environ Health Perspect	G	
0139	統合_0892	生殖・発生毒性	性ホルモン	1	Pubertal exposure to bisphenol-A affects social recognition and arginine vasopressin in the brain of male mice	Wang et al.	2021	Ecotoxicol Environ Saf	G	
0140	統合_0898	生殖・発生毒性	生殖細胞	2	Effect of Brief Maternal Exposure to Bisphenol A on the Fetal Female Germline in a Mouse Model	Vrooman et al.	2025	Environ Health Perspect	G	
0141	統合_0902	生殖・発生毒性	精子	2	Fetal Exposure to Endocrine Disrupting-Bisphenol A (BPA) Alters Testicular Fatty Acid Metabolism in the Adult Offspring: Relevance to Sperm Maturation and Quality	Varma et al.	2023	Int J Mol Sci	G	
0142	統合_1014	生殖・発生毒性	次世代影響; 子宮内暴露に よる雌仔動物 の乳腺発達へ の影響	1	In utero exposure to estrogenic bisphenol analogues increases mammary tissue stiffness	Poska et al.	2025	Reprod Toxicol	G	
0143	統合_1042	生殖・発生毒性	精巣	3	Bisphenol A alters differentiation of Leydig cells in the rabbit fetal testis	Ortega-García et al.	2021	Int J Dev Biol	G	
0144	統合_1126	生殖・発生毒性	卵巣	1	Bisphenol A Disrupts Ribosome Function during Ovarian Development of Mice	Ma et al.	2024	Toxics	G	

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0145	統合_1243	生殖・発生毒性	精巣	1	Influence on the adult male Leydig cell biomarker insulin-like peptide 3 of maternal exposure to estrogenic and anti-androgenic endocrine disrupting compound mixtures: A retrospective study	Ivell et al.	2022	Andrologia	G	
0146	統合_1280	生殖・発生毒性	生殖発生毒性	3	Data integration, analysis, and interpretation of eight academic CLARITY-BPA studies	Heindel et al.	2020	Reprod Toxicol	G	
0147	統合_1299	生殖・発生毒性	精巣	2	The Olfactory Receptor Olfr25 Mediates Sperm Dysfunction Induced by Low-Dose Bisphenol A through the CatSper-Ca(2+) Signaling Pathway	Gu et al.	2024	Toxics	G	
0148	統合_1419	生殖・発生毒性	生殖発生毒性	1	Prenatal Nutrition Containing Bisphenol A Affects Placenta Glucose Transfer: Evidence in Rats and Human Trophoblast	Benincasa et al.	2020	Nutrients	G	
0149	統合_2420	生殖・発生毒性	精子	2	Induction of oxidative stress by bisphenol A in the epididymal sperm of rats	Chitra et al.	2003	Toxicology	G	
0150	統合_2428	生殖・発生毒性	生殖発生毒性 /精子	1	Dietary exposure to low doses of bisphenol A: effects on reproduction and development in two generations of C57BL/6J mice	Kobayashi et al.	2010	Congenit Anom (Kyoto)	G	
0151	統合_2429	生殖・発生毒性	生殖発生毒性	1	Lack of effects for dietary exposure of bisphenol A during in utero and lactational periods on reproductive development in rat offspring	Kobayashi et al.	2012	J Toxicol Sci	G	
0152	統合_2432	生殖・発生毒性	生殖発生毒性	1	In utero and lactational exposure to bisphenol A, in contrast to ethinyl estradiol, does not alter sexually dimorphic behavior, puberty, fertility, and anatomy of female LE rats	Ryan et al.	2010	Toxicol Sci	G	
0153	統合_2439	生殖・発生毒性	卵巣	1	Fetal exposure to bisphenol A affects the primordial follicle formation by inhibiting the meiotic progression of oocytes	Zhang et al.	2012	Mol Biol Rep	G	
0154	統合_2441	生殖・発生毒性	精子/雄性生殖 器	1	Genotoxicity and reproductive toxicity of bisphenol A and X-ray/bisphenol A combination in male mice	Dobrzynska and Radzikowska	2013	Drug Chem Toxicol	G	
0155	統合_2442	生殖・発生毒性	子宮	2	Strain specific induction of pyometra and differences in immune responsiveness in mice exposed to 17alpha-ethinyl estradiol or the endocrine disrupting chemical bisphenol A	Kendzierski et al.	2012	Reprod Toxicol	G	
0156	統合_2445	生殖・発生毒性	胎盤	2	Bisphenol A differentially activates protein kinase C isoforms in murine placental tissue	Tan et al.	2013	Toxicol Appl Pharmacol	G	
0157	統合_2446	生殖・発生毒性	発生毒性	1	Low-dose effects of bisphenol A on early sexual development in male and female rats	Christiansen et al.	2014	Reproduction	G	
0158	統合_2455	生殖・発生毒性	卵巣	2	The effects of in utero bisphenol A exposure on the ovaries in multiple generations of mice	Berger et al.	2016	Reprod Toxicol	H	

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0159	統合_2460	生殖・発生毒性	精巣	1	Effects of continuous bisphenol A exposure from early gestation on 90 day old rat testes function and sperm molecular profiles: A CLARITY-BPA consortium study	Dere et al.	2018	Toxicol Appl Pharmacol	H	
0160	統合_2465	生殖・発生毒性	精巣	1	Effects of Wnt/beta-catenin signaling on bisphenol A exposure in male mouse reproductive cells	Fang et al.	2015	Mol Med Rep	H	
0161	統合_2470	生殖・発生毒性	精子/精巣/生殖毒性/発達神経毒性	1	Low-dose effect of developmental bisphenol A exposure on sperm count and behaviour in rats	Hass et al.	2016	Andrology	H	
0162	統合_2473	生殖・発生毒性	前立腺	1	Oral exposure of low-dose bisphenol A promotes proliferation of dorsolateral prostate and induces epithelial-mesenchymal transition in aged rats	Huang et al.	2018	Sci Rep	H	
0163	統合_2475	生殖・発生毒性	精子	2	Bisphenol A induced male germ cell apoptosis via IFN beta-XAF1-XIAP pathway in adult mice	Jiang et al.	2018	Toxicol Appl Pharmacol	H	
0164	統合_2478	生殖・発生毒性	精子	1	Maternal Transfer of Bisphenol A During Nursing Causes Sperm Impairment in Male Offspring	Kalb et al.	2016	Arch Environ Contam Toxicol	H	
0165	統合_2479	生殖・発生毒性	精子	2	Detection of Bisphenol A and Nonylphenol in Rat's Blood Serum, Tissue and Impact on Reproductive System	Kazemi et al.	2016	Electron Physician	H	
0166	統合_2480	生殖・発生毒性	精巣	1	Histopathology and histomorphometric investigation of bisphenol a and nonylphenol on the male rat reproductive system	Kazemi et al.	2016	N Am J Med Sci	H	
0167	統合_2483	生殖・発生毒性	子宮	2	Strain-specific induction of endometrial periglandular fibrosis in mice exposed during adulthood to the endocrine disrupting chemical bisphenol A	Kendzierski et al.	2015	Reprod Toxicol	H	
0168	統合_2484	生殖・発生毒性	子宮	2	Effects of whole life exposure to Bisphenol A or 17 α -ethinyl estradiol in uterus of nulligravida CD1 mice	Kendzierski et al.	2015	Data Brief	H	
0169	統合_2494	生殖・発生毒性	精巣	1	Effects of exposure to bisphenol A during pregnancy and lactation on the testicular morphology and caspase-3 protein expression of ICR pups	Liu et al.	2013	Biomed Rep	H	
0170	統合_2497	生殖・発生毒性	卵巣	2	The effects of in utero bisphenol A exposure on ovarian follicle numbers and steroidogenesis in the F1 and F2 generations of mice	Mahalingam et al.	2017	Reprod Toxicol	H	
0171	統合_2519	生殖・発生毒性	精巣	1	Prenatal exposure to bisphenol A analogues on male reproductive functions in mice	Shi et al.	2018	Toxicol Sci	H	

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0172	統合_2524	生殖・発生毒性	性ホルモン	1	Monotonic Dose Effect of Bisphenol-A, an Estrogenic Endocrine Disruptor, on Estrogen Synthesis in Female Sprague-Dawley Rats	Thilagavathi et al.	2017	Indian J Clin Biochem	H	
0173	統合_2526	生殖・発生毒性	乳腺	1	Evaluation of Prenatal Exposure to Bisphenol Analogues on Development and Long-Term Health of the Mammary Gland in Female Mice	Tucker et al.	2018	Environ Health Perspect	H	
0174	統合_2528	生殖・発生毒性	精巣	1	Impact of low-dose chronic exposure to bisphenol A and its analogue bisphenol B, bisphenol F and bisphenol S on hypothalamo-pituitary-testicular activities in adult rats: A focus on the possible hormonal mode of action	Ullah et al.	2018	Food Chem Toxicol	H	
0175	統合_2530	生殖・発生毒性	精巣	1	Bisphenol A-induced ultrastructural changes in the testes of common marmoset	Vijaykumar et al.	2017	Indian J Med Res	H	
0176	統合_2531	生殖・発生毒性	精子	1	Sperm impairments in adult vesper mice (Calomys laucha) caused by in utero exposure to bisphenol A	Vilela et al.	2014	Andrologia	H	
0177	統合_2535	生殖・発生毒性	卵巣	2	In utero bisphenol A exposure disrupts germ cell nest breakdown and reduces fertility with age in the mouse	Wang et al.	2014	Toxicol Appl Pharmacol	H	
0178	統合_2541	生殖・発生毒性	前立腺	1	Oral administration of low-dose bisphenol A promotes proliferation of ventral prostate and upregulates prostaglandin D-2 synthase expression in adult rats	Wu et al.	2016	Toxicol Ind Health	H	
0179	統合_2546	生殖・発生毒性	生殖発生毒性	2	Bisphenol A exposure alters placentalization and causes preeclampsia-like features in pregnant mice involved in reprogramming of DNA methylation of WNT2	Ye et al.	2018	Faseb J	H	
0180	統合_2547	生殖・発生毒性	精巣	1	The regulation of cellular apoptosis by the ROS-triggered PERK/EIF2 alpha chop pathway plays a vital role in bisphenol A-induced male reproductive toxicity	Yin et al.	2017	Toxicol Appl Pharmacol	I	
0181	統合_2548	生殖・発生毒性	子宮	1	Environmentally relevant levels of bisphenol A affect uterine decidualization and embryo implantation through the estrogen receptor/serum and glucocorticoid-regulated kinase 1/epithelial sodium ion channel alpha-subunit pathway in a mouse model	Yuan et al.	2018	Fertil Steril	I	
0182	統合_2551	生殖・発生毒性	生殖発生毒性	1	The effects of in utero bisphenol A exposure on reproductive capacity in several generations of mice	Ziv-Gal et al.	2015	Toxicol Appl Pharmacol	I	
0183	統合_2557	生殖・発生毒性	前立腺	1	Evaluation of Bisphenol A (BPA) Exposures on Prostate Stem Cell Homeostasis and Prostate Cancer Risk in the NCTR-Sprague-Dawley Rat: An NIEHS/FDA CLARITY-BPA Consortium Study	Prins et al.	2018	Environ Health Perspect	I	

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0184	統合_2561	生殖・発生毒性	生殖発生毒性	2	Fetal bisphenol A and ethinylestradiol exposure alters male rat urogenital tract morphology at birth: Confirmation of prior low-dose findings in CLARITY-BPA	Uchtmann et al.	2019	Reprod Toxicol	I	
0185	統合_2616	生殖・発生毒性	卵巣	1	The correlation between exposure to BPA and the decrease of the ovarian reserve	Cao et al.	2018	Int J Clin Exp Pathol	I	実験動物の文献として整理(疫学ランクは2)
0186	統合_3002	生殖・発生毒性	子宮内暴露～生後経口暴露による雌仔動物の子宮内膜への影響	1	A combined morphometric and statistical approach to assess nonmonotonicity in the developing mammary gland of rats in the CLARITY BPA study	Montevil et al.	2020	Environ Health Perspect	I	
0187	統合_3021	生殖・発生毒性	精巣	2	Hazards of bisphenol A — blocks RNA splicing leading to abnormal testicular development in offspring male mice	Zhang et al.	2019	Chemosphere	I	
0188	統合_3024	生殖・発生毒性	生殖発生毒性	2	Bisphenol a Interferes with Uterine Artery Features and Impairs Rat Feto-Placental Growth	Barberio et al.	2021	Int J Mol Sci	I	
0189	統合_3026	生殖・発生毒性	精子	1	The Effect of Exposure to Bisphenol A on Spermatozoon and the Expression of Tight Junction Protein Occludin in Male Mice	Cao et al.	2020	Dose Response	I	
0190	統合_3027	生殖・発生毒性	生殖毒性	1	The impact of preconceptional exposure of F0 male mice to bisphenol A alone or in combination with X-rays on the intrauterine development of F2 progeny	Dobrzyńska et al.	2022	Mutat Res Genet Toxicol Environ Mutagen	I	
0191	統合_3034	生殖・発生毒性	生殖発生毒性	1	Gestational exposure to bisphenol a affects testicular morphology, germ cell associations, and functions of spermatogonial stem cells in male offspring	Karmakar et al.	2020	Int J Mol Sci	I	
0192	統合_3036	生殖・発生毒性	精巣	1	Bisphenol A induces testicular oxidative stress in mice leading to ferroptosis	Li et al.	2022	Asian J androl	I	
0193	統合_3038	生殖・発生毒性	卵巣	2	Prenatal exposure to bisphenol-A altered miRNA-224 and protein expression of aromatase in ovarian granulosa cells concomitant with elevated serum estradiol levels in F1 adult offspring	Lite et al.	2019	J Biochem Mol Toxicol	I	
0194	統合_3042	生殖・発生毒性	精巣	2	In utero exposure to bisphenol A disrupts fetal testis development in rats	Lv et al.	2019	Environ Pollut	I	
0195	統合_3052	生殖・発生毒性	卵巣	2	Prenatal Exposure to Bisphenol A Analogues on Female Reproductive Functions in Mice	Shi et al.	2019	Toxicol Sci	I	
0196	統合_3053	生殖・発生毒性	精巣	1	Prenatal BPA and its analogs BPB, BPF, and BPS exposure and reproductive axis function in the male offspring of Sprague Dawley rats	Ullah et al.	2019	Hum Exp Toxicol	I	
0197	統合_3056	生殖・発生毒性	精巣	1	Impact of bisphenol-A on the spliceosome and meiosis of sperm in the testis of adolescent mice	Wang et al.	2022	BMC Vet Res	I	

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0198	統合_3057	生殖・発生毒性	精巣	1	Maternal exposure to bisphenol A during pregnancy interferes testis development of F1 male mice	Wei et al.	2019	Environ Sci Pollut Res	I	
0199	統合_3058	生殖・発生毒性	卵巢発達	1	Maternal exposure to bisphenol A during pregnancy interferes ovaries development of F1 female mice	Wei et al.	2020	Theriogenology	I	
0200	統合_3059	生殖・発生毒性	前立腺	1	The prostaglandin synthases, COX-2 and L-PGDS, mediate prostate hyperplasia induced by low-dose bisphenol A	Wu et al.	2020	Sci Rep	I	
0201	統合_3060	生殖・発生毒性	前立腺	1	Oral exposure to low-dose bisphenol A induces hyperplasia of dorsolateral prostate and upregulates EGFR expression in adult Sprague-Dawley rats	Wu et al.	2019	Toxicol Ind Health	I	
0202	統合_2454	心毒性	心血管	1	Bisphenol A Alters Autonomic Tone and Extracellular Matrix Structure and Induces Sex-Specific Effects on Cardiovascular Function in Male and Female CD-1 Mice	Belcher et al.	2015	Endocrinology		
0203	統合_2472	心毒性	心臓	1	Bisphenol A, an environmental estrogen-like toxic chemical, induces cardiac fibrosis by activating the ERK1/2 pathway	Hu et al.	2016	Toxicol Lett		
0204	統合_2486	心毒性	心血管	2	Low-dose exposure to bisphenol A in combination with fructose increases expression of genes regulating angiogenesis and vascular tone in juvenile Fischer	Klint et al.	2017	Ups J Med Sci		
0205	統合_2518	心毒性	心血管	1	Oral administration of bisphenol A induces high blood pressure through angiotensin II/CaMKII-dependent uncoupling of eNOS	Saura et al.	2014	Faseb J		
0206	統合_3025	心毒性	心臓	1	BPA Alters Estrogen Receptor Expression in the Heart After Viral Infection Activating Cardiac Mast Cells and T Cells Leading to Perimyocarditis and Fibrosis	Bruno et al.	2019	Front Endocrinol		
0207	統合_3067	心毒性	心臓	1	Effects of bisphenol A on incidence and severity of cardiac lesions in the NCTR-Sprague-Dawley rat: A CLARITY-BPA study.	Gear et al.	2017	Toxicol Lett		
0208	統合_2424	発がん性及び 乳腺増殖影響	発がん；乳がん	2	Chronic oral exposure to Bisphenol A results in a nonmonotonic dose response in mammary carcinogenesis and metastasis in mmtv-erbB2 mice	Jenkins et al.	2011	Environ Health Perspect		
0209	統合_2490	発がん性及び 乳腺増殖影響	発がん；乳がん	2	Gestational high-fat diet and bisphenol A exposure heightens mammary cancer risk	Leung et al.	2017	Endocr Relat Cancer		
0210	統合_2553	発がん性及び 乳腺増殖影響	発がん；肝がん	1	Dose-Dependent incidence of hepatic tumors in adult mice following perinatal exposure to Bisphenol A	Weinhouse et al.	2014	Environ Health Perspect		
0211	統合_2467	遺伝毒性	遺伝毒性	2	Genotoxic effects of bisphenol A on somatic cells of female mice, alone and in combination with X-rays	Gajowik et al.	2013	Mutat Res Genet Toxicol Environ Mutagen		
0212	統合_2520	遺伝毒性	遺伝毒性	2	Genotoxic and infertility effects of bisphenol A on wistar albino rats	Srivastava and Gupta	2016	Int J Pharm Sci Rev Res		

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0213	統合_0842	その他	腸	2	Analyzing the synergistic adverse effects of BPA and its substitute, BHPF, on ulcerative colitis through comparative metabolomics	Yin et al.	2022	Chemosphere		
0214	統合_0851	その他	内分泌/精子/ 精巣	1	Sub-acute bisphenol A exposure induces proteomic alterations and impairs male reproductive health in mice	Yadav et al.	2024	J Biochem Mol Toxicol		
0215	統合_0887	その他	消化器	1	Bisphenol A Exposure Induces Small Intestine Damage Through Oxidative Stress, Inflammation, and Microbiota Alteration in Rats	Wang et al.	2025	Toxics		
0216	統合_0889	その他	内分泌/前立 腺	1	Bisphenol A exposure triggers the malignant transformation of prostatic hyperplasia in beagle dogs via cfa-miR-204/KRAS axis	Wang et al.	2022	Ecotoxicol Environ Saf		
0217	統合_0926	その他	内分泌	1	Juvenile Toxicity Rodent Model to Study Toxicological Effects of Bisphenol A (BPA) at Dose Levels Derived From Italian Children Biomonitoring Study	Tassinari et al.	2020	Toxicol Sci		
0218	統合_0927	その他	腎	2	Mechanism of nephrotoxicity induced by chronic exposure of bisphenol A in mice based on oxidative stress and cell apoptosis	Tang et al.	2023	Sheng Wu Gong Cheng Xue Bao		
0219	統合_0929	その他	肝	2	Oxidative Stress and Keap1-Nrf2 Pathway Involvement in Bisphenol A-Induced Liver Damage in Rats	Tang et al.	2024	Toxics		
0220	統合_0967	その他	主に肝腎心肺	2	A biochemical and histological evaluation of in vivo exposure of bisphenol P for multi-organ toxicity and pathology in rats	Sattar et al.	2024	Toxicol Ind Health		
0221	統合_1098	その他	内分泌/精子/ 精巣	1	Prenatal BPA exposure disrupts male reproductive functions by interfering with DNA methylation and GDNF expression in the testes of male offspring rats	Mao et al.	2023	Environ Sci Pollut Res Int		
0222	統合_1132	その他	血管障害	2	Angiogenic Activity and Mechanism for Bisphenols on Endothelial Cell and Mouse: Evidence of a Structural-Selective Effect	Lu et al.	2023	Environ Sci Technol		
0223	統合_1140	その他	内分泌/精子/ 精巣	1	Chronic exposure of BPA impairs male germ cell proliferation and induces lower sperm quality in male mice	Liu et al.	2021	Chemosphere		
0224	統合_1148	その他	肝	3	Effect of the reactive oxygen species-induced by bisphenol A on liver lipid metabolism disorder	Liu et al.	2021	Wei Sheng Yan Jiu		
0225	統合_1193	その他	メカニズム	2	Effect of developmental exposure to bisphenol A on steroid hormone and vitamin D3 metabolism	Kim et al.	2019	Chemosphere		
0226	統合_1266	その他	甲状腺機能障 害	1	Bisphenol analogues induce thyroid dysfunction via the disruption of the thyroid hormone synthesis pathway	Hu et al.	2023	Sci Total Environ		
0227	統合_2422	その他	肝臓	2	Bisphenol A induces hepatotoxicity through oxidative stress in rat model	Hassan et al.	2012	Oxid Med Cell Longev		

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0228	統合_2423	その他	内分泌/精子/ 雄性生殖器	1	Gestational and lactational exposure to ethinyl estradiol, but not bisphenol A, decreases androgen-dependent reproductive organ weights and epididymal sperm abundance in the male long evans hooded rat	Howdeshell et al.	2008	Toxicol Sci		
0229	統合_2437	その他	内分泌/前立 腺	1	Oral exposure to low-dose bisphenol A aggravates testosterone-induced benign hyperplasia prostate in rats	Wu et al.	2011	Toxicol Ind Health		
0230	統合_2440	その他	メカニズム	2	Effect of Bisphenol A on Rat Metabolic Profiling Studied by Using Capillary Electrophoresis Time-of-Flight Mass Spectrometry	Zeng et al.	2013	Environ Sci Technol		
0231	統合_2464	その他	内分泌	1	Effects of Exposure to the Endocrine-Disrupting Chemical Bisphenol A During Critical Windows of Murine Pituitary Development	Eckstrum et al.	2018	Endocrinology		
0232	統合_2481	その他	肝臓	2	Low dose administration of Bisphenol A induces liver toxicity in adult rats	Kazemi et al.	2017	Biochem Biophys Res Commun		
0233	統合_2482	その他	肝臓	2	Induction Effect of Bisphenol A on Gene Expression Involving Hepatic Oxidative Stress in Rat	Kazemi et al.	2016	Oxid Med Cell Longev		
0234	統合_2488	その他	メカニズム	1	Proteomic Biomarkers for Bisphenol A-Early Exposure and Women's Thyroid Cancer	Lee et al.	2018	Cancer Res Treat		
0235	統合_2489	その他	骨	1	Low-dose developmental exposure to bisphenol A alters the femoral bone geometry in wistar rats	Lejonklou et al.	2016	Chemosphere		
0236	統合_2496	その他	メカニズム	2	Bisphenol A promotes hepatic lipid deposition involving Kupffer cells M1 polarization in male mice	Lv et al.	2017	J Endocrinol		
0237	統合_2512	その他	ホルモンレベ ル	2	Bisphenol A-Induced Endocrine Toxicity and Male Reprotoxicopathy are Modulated by the Dietary Iron Deficiency	Rashid et al.	2018	Endocr Metab Immune Disord Drug Targets		
0238	統合_2516	その他	内分泌、発達 神経	1	Effects of perinatal bisphenol A exposure during early development on radial arm maze behavior in adult male and female rats	Sadowski et al.	2014	Neurotoxicol Teratol		
0239	統合_2537	その他	メカニズム	1	Stat3 is a candidate epigenetic biomarker of perinatal Bisphenol A exposure associated with murine hepatic tumors with implications for human health	Weinhouse et al.	2015	Epigenetics		
0240	統合_2538	その他	メカニズム	2	Epigenome-wide DNA methylation analysis implicates neuronal and inflammatory signaling pathways in adult murine hepatic tumorigenesis following perinatal exposure to bisphenol A	Weinhouse et al.	2016	Environ Mol Mutagen		
0241	統合_2540	その他	メカニズム	2	Identification of Secretoglobin Scgb2a1 as a target for developmental reprogramming by BPA in the rat prostate	Wong et al.	2015	Epigenetics		

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0242	統合_2552	その他	肝毒性	2	Protective effect of crocin on BPA-induced liver toxicity in rats through inhibition of oxidative stress and downregulation of MAPK and MAPKAP signaling pathway and miRNA-122 expression	Vahdati et al.	2017	Food Chem Toxicol		
0243	統合_2555	その他	ホルモンレベル	2	Dose exposure of Bisphenol- A on female Wistar rats fertility	Srivastava et al.	2019	Horm Mol Biol Clin Investig		
0244	統合_2982	その他	甲状腺	1	CLARITY-BPA: Bisphenol A or propylthiouracil on thyroid function and effects in the developing male and female rat brain	Bansal and Zoeller	2019	Endocrinology		
0245	統合_3048	その他	ホルモンレベル	1	Bisphenol a hormonal disrupture and preventive effect of rose water and clove oil	Osman et al.	2021	Biointerface Res Appl Chem		
0246	統合_3062	その他	ホルモンレベル	2	The effect of hormonal levels and oxidative stress on bisphenol A and soy isoflavone reproductive toxicity in murine offspring	Zou et al.	2020	Mol Med Rep		

※：ご担当組合せ

<神経毒性及び発達神経毒性>

A：久米専門委員、渋谷専門委員

B：久米専門委員、加藤専門参考人

C：久米専門委員、駒田専門参考人

D：渋谷専門委員、加藤専門参考人

E：渋谷専門委員、駒田専門参考人

F：加藤専門参考人、駒田専門参考人

<生殖・発生毒性>

G：佐藤専門委員、北條専門委員

H：佐藤専門委員、熊本専門参考人

I：北條専門委員、熊本専門委員