

PFAS選定文献リスト

NO.	Endpoint	term		Title	First Author	Journal/Book	Publication	Meta analysis	Coment	PDF
1	肝臓	nonalcoholic fatty liver disease (NAFLD)	非アルコール性脂肪性肝疾患	Triglycerides mediate the relationships of per- and poly-fluoroalkyl substance (PFAS) exposure with nonalcoholic fatty liver disease (NAFLD) risk in US participants	Qiao W	Ecotoxicol Environ Saf	2025			●
2	肝臓	metabolic-associated fatty liver disease and non-alcoholic fatty liver disease	メタボリック関連脂肪性肝疾患、非アルコール性脂肪性肝疾患	Associations of perfluoroalkyl substances with metabolic-associated fatty liver disease and non-alcoholic fatty liver disease : NHANES 2017-2018	Zhang Y	Cancer Causes Control	2024			
3	肝臓	metabolic dysfunction-associated steatotic liver disease	代謝機能障害関連脂肪肝疾患	Association between serum per- and polyfluoroalkyl substances levels and metabolic dysfunction-associated steatotic liver disease	Zhang J	Environ Pollut	2024			●
4	肝臓	liver function biomarkers	肝機能バイオマーカー	Association of perfluoroalkyl substances (PFAS) with liver function biomarkers in the highly exposed population of the veneto region	Rosato I	Environ Res	2024			●
	肝臓 (動物含む)	adolescent non-alcoholic fatty liver disease	非アルコール性脂肪性肝疾患	Effects of mixed exposure to PFAS on adolescent non-alcoholic fatty liver disease : Integrating evidence from human cohorts, toxicogenomics, and animal models to uncover mechanisms and potential target sites	Du X	J Hazard Mater	2024	m		
	肝臓	nonalcoholic fatty liver disease	非アルコール性脂肪性肝疾患	The association between endocrine disrupting chemicals and nonalcoholic fatty liver disease : A systematic review and meta-analysis	Pan K	Pharmacol Res	2024	m		
5	脂質代謝	risk of coronary heart disease	冠状動脈性心疾患	Per- and polyfluoroalkyl substances, apolipoproteins and the risk of coronary heart disease in US men and women	Zhu L	Environ Health	2024			●
6	脂質代謝	dyslipidemia	脂質異常症	Serum levels of per- and poly-fluoroalkyl substances among middle-aged and elderly populations in Beijing and their association with dyslipidemia	Zhang L	Food Chem Toxicol	2024			●
7	脂質代謝	serum lipids	血清脂質 (コレステロール)	Decreases in serum PFAS are associated with decreases in serum lipids : A longitudinal study on a highly exposed population	Batzella E	Sci Total Environ	2024			●
8	脂質代謝	heavy metals with blood lipid profiles	血中脂質プロファイル (コレステロール)	Associations of per- and polyfluoroalkyl substances and heavy metals with blood lipid profiles in a representative sample of Korean adolescents	Kim Y	Environ Health	2024			●
9	脂質代謝	unfavourable metabolic profile in infants	不利な代謝プロファイル (肝臓および脂質パラメータ)	PFAS exposure is associated with an unfavourable metabolic profile in infants six months of age	Bjørke-Monsen AL	Environ Int	2024			●
10	脂質代謝	health-related biomarkers	健康関連バイオマーカー (血清脂質、甲状腺ホルモン、炎症グロブリン)	Serum per- and polyfluoroalkyl substance (PFAS) levels and health-related biomarkers in a pilot study of skiers in New England	Claus Henn B	Environ Res	2024			●
11	脂質代謝	atherosclerotic cardiovascular disease	動脈硬化性心血管疾患	Kidney function mediates the effects of four per- and polyfluoroalkyl substances (PFAS) on atherosclerotic cardiovascular disease	Wei Z	Ecotoxicol Environ Saf	2024			●
12	脂質代謝	risk of cardiovascular disease	心血管疾患	PFAS and their association with the increased risk of cardiovascular disease in postmenopausal women	Arredondo Eve A	Toxicol Sci	2024			●
13	脂質代謝	impaired cardiovascular health	心血管疾患	Exposure to per- and polyfluoroalkyl substances is associated with impaired cardiovascular health : a cross-sectional study	Zong S	Front Public Health	2024			●
14	脂質代謝	cardiometabolic health	心血管代謝	Associations between prenatal exposure to PFAS and cardiometabolic health in preadolescents	Lejeune N	Environ Res	2025			●
15	脂質代謝	cardiovascular-kidney-liver-metabolic biomarkers	心血管-腎臓-肝臓-代謝バイオマーカー	Association of co-exposure to organophosphate esters and per- and polyfluoroalkyl substances and mixture with cardiovascular-kidney-liver-metabolic biomarkers among Chinese adults	Li Y	Ecotoxicol Environ Saf	2024			●
16	甲状腺	thyroid hormones in elderly people	甲状腺ホルモン	Association between multipollutant exposure and thyroid hormones in elderly people : A cross-sectional study in China	Han B	Environ Res	2024			●
17	甲状腺	thyroid homeostasis parameters	甲状腺恒常性パラメータ	Association between per- and polyfluoroalkyl substance exposures and thyroid homeostasis parameters	Yu X	J Clin Endocrinol Metab	2024			

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	甲状腺 (動物含む)	thyroid health	甲状腺	Association between PFAS exposure and thyroid health : A systematic review and meta-analysis for adolescents, pregnant women, adults and toxicological evidence	Du X	Sci Total Environ	2024	m		
18	生殖・発生	Offspring Chromosomal Abnormalities	染色体異常	Maternal Exposure to Per- and Polyfluoroalkyl Substances and Offspring Chromosomal Abnormalities : The Japan Environment and Children's Study	Hasegawa K	Environ Health Perspect	2024	○		●
19	生殖・発生	birth weight	出生時体重	Transplacental transfer of perfluorinated and poly-fluorinated substances in maternal-cord serum and association with birth weight : A birth cohort study, China	Xu L	Environ Pollut	2024			●
20	生殖・発生	risk of overweight or obesity at age 2-18 years	体格指数、過体重、肥満	Associations of early life per- and polyfluoroalkyl substances (PFAS) exposure with body mass index and risk of overweight or obesity at age 2-18 years : Mixture analysis in the prospective Boston Birth Cohort	Li Z	Environ Int	2025			●
21	生殖・発生	Timing of Puberty	思春期時期	Exposure to Per- and Polyfluoroalkyl Substances and Timing of Puberty in Norwegian Boys: Data from the Bergen Growth Study 2	Forthun IH	Environ Sci Technol	2024			●
22	生殖・発生	missed miscarriage	流産	Association between exposure to per- and polyfluoroalkyl substances and missed miscarriage : A hospital-based case-control study in Shanghai, China	Wang B	Environ Toxicol Pharmacol	2024			●
23	生殖・発生	pregnancy loss and reproductive lifespan	流産、生殖ライフスパン	Association of coexposure to perfluoroalkyl and polyfluoroalkyl compounds and heavy metals with pregnancy loss and reproductive lifespan : The mediating role of cholesterol	Fang H	Ecotoxicol Environ Saf	2024			●
24	生殖・発生	fetal growth, and the mediation effect of thyroid hormones	胎児の成長、甲状腺ホルモンの媒介	Associations between gestational exposure to perfluoroalkyl substances, fetal growth, and the mediation effect of thyroid hormones	Wang Z	Sci Rep	2024			●
25	生殖・発生	fetal growth	胎児胎盤血行動態	Prenatal exposure to per- and polyfluoroalkyl substances, fetoplacental hemodynamics, and fetal growth	Knox B	Environ Int	2024			●
26	生殖・発生	endometriosis	子宮内膜症	Association between exposure to perfluoroalkyl substances (PFAS) and endometriosis in the ENDEA case-control study	de Haro-Romero T	Sci Total Environ	2024			●
27	生殖・発生	Infertility	不妊症	Exposure to Environmental Chemicals and Infertility Among US Reproductive-Aged Women	Martinez V	Int J Environ Res Public Health	2024			●
28	生殖・発生	preeclampsia risk	妊娠中毒症	Perfluoroalkyl substances (PFAS) exposure and preeclampsia risk : Impaired angiogenesis through suppression of VEGF signaling	Mishra JS	Reprod Toxicol	2024			●
29	生殖・発生	Mammographic Breast Density	乳房密度	PFAS Levels, Early Life Factors, and Mammographic Breast Density in Premenopausal Women	Ning YS	Environ Health Perspect	2024			●
30	生殖・発生	inflammatory biomarkers in pregnancy	妊娠中の炎症性バイオマーカー	Prenatal exposure to per- and polyfluoroalkyl substances (PFAS) and their influence on inflammatory biomarkers in pregnancy : Findings from the LIFECODES cohort	Siwakoti RC	Environ Int	2024			●
31	生殖・発生	polycystic ovary syndrome risk	多嚢胞性卵巣症候群	Per- and polyfluoroalkyl substances exposure is associated with polycystic ovary syndrome risk among women attending a fertility clinic	Zhang Y	Sci Total Environ	2024			●
32	生殖・発生	adverse pregnancy outcomes	妊娠有害事象	Potential causal associations between perfluoroalkyl substances exposure and adverse pregnancy outcomes : A bidirectional two-sample mendelian randomization study	Zhou Y	Ecotoxicol Environ Saf	2024			●
	生殖・発生	Reproductive Outcomes	生殖	Environmental Exposure to Per- and Polyfluoroalkyl Substances (PFASs) and Reproductive Outcomes in the General Population: A Systematic Review of Epidemiological Studies	Haimbaugh A	Int J Environ Res Public Health	2024	m		
33	免疫	immune responses	免疫反応	Associations between per- and poly-fluoroalkyl substance (PFAS) exposure and immune responses among women in the California Teachers study: A cross-sectional evaluation	Cauble EL	Cytokine	2024			●
34	免疫	plasma immune molecules	血漿免疫分子	Associations between prenatal exposure to per- and polyfluoroalkyl substances and plasma immune molecules in three-year-old children in China	Huang H	Toxicol Appl Pharmacol	2024			●

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35	免疫	Risk of Psoriasis	乾癬	Exposure to Per- and Polyfluoroalkyl Substances and Risk of Psoriasis: A Population-Based Study	Zhang Q	Toxics	2024			●
36	免疫	Sjogren's Syndrome	シェーグレン症候群	Relationship Between Perfluoroalkyl Acids in Human Serum and Sjogren's Syndrome: A Case-Control Study of Populations in Hangzhou, China	Zhao Y	Toxics	2024			●
	免疫	immunotoxicity	免疫毒性 (ワクチン)	Childhood PFAS exposure and immunotoxicity: a systematic review and meta-analysis of human studies	Antoniou EE	Syst Rev	2024	m		
	免疫	Asthma	小児喘息	Exposure to Poly- and Perfluoroalkyl Substances During Pregnancy and Asthma in Childhood: A Systematic Review	Aeraki MM	Cureus	2024	m		
	免疫	Asthma and decreased lung function	小児喘息、肺機能	Asthma and decreased lung function in children exposed to perfluoroalkyl and polyfluoroalkyl substances (PFAS): An updated meta-analysis unravelling research gaps	Rafiee A	Environ Res	2024	m		
37	神経	autistic traits	自閉症	Prenatal exposure to per- and polyfluoroalkyl substances, genetic factors, and autistic traits: Evidence from the Shanghai birth cohort	Huang Y	J Hazard Mater	2024			●
38	神経	neurobehavioral and social development during childhood	神経行動学的、社会的発達	Prenatal exposure to PFAS and the association with neurobehavioral and social development during childhood	Saha T	Int J Hyg Environ Health	2025			●
39	発がん性	risk of breast cancer	乳がん	Perfluoroalkyl substances exposure and the risk of breast cancer: A nested case-control study in Jinchang Cohort	Dou Q	Environ Res	2024			●
40	発がん性	breast cancer incidence	乳がん	Mitochondrial DNA copy number mediated the associations between perfluoroalkyl substances and breast cancer incidence: A prospective case-cohort study	Feng Y	Sci Total Environ	2024			●
41	発がん性	risk for hormone receptor-positive breast cancer	ホルモン受容体陽性乳がん	The impact of high exposure to perfluoroalkyl substances and risk for hormone receptor-positive breast cancer - A Swedish cohort study	Hammastrand S	Environ Int	2024			●
42	発がん性	risk of B-cell non-Hodgkin lymphoma	B細胞非ホジキンリンパ腫	Serum concentrations of per- and polyfluorinated substances and risk of B-cell non-Hodgkin lymphoma	Rhee J	Environ Int	2024			●
43	発がん性	incident prostate cancer	前立腺がん	A case-cohort study of per- and polyfluoroalkyl substance concentrations and incident prostate cancer in the cancer prevention Study-II LifeLink cohort study	Troeschel AN	Environ Res	2024			●
44	発がん性	thyroid cancer risk	甲状腺がん	Serum metabolome associated with novel and legacy per- and polyfluoroalkyl substances exposure and thyroid cancer risk: A multi-module integrated analysis based on machine learning	Wang F	Environ Int	2025			●
	発がん性	Cancer risk	がん	Perfluoroalkyl and polyfluoroalkyl substances and Cancer risk: results from a dose-response Meta-analysis	Yang J	J Environ Health Sci Eng	2024	m		
	発がん性	breast cancer risk	乳がん	Exposure to per- and polyfluoroalkyl substances and breast cancer risk: a systematic review and meta-analysis of epidemiologic studies	Chang CJ	Am J Epidemiol	2024	m		
	発がん性	breast cancer	乳がん	Association between perfluoroalkyl substances and breast cancer on the National Health and Nutrition Examination Survey Database and meta-analysis	Jia C	J Hazard Mater	2024	m		
	発がん性	Risk of Breast, and Female Genital Cancers	乳がん、女性生殖器がん	Per- And Poly-Fluoroalkyl Substances (PFAS) Exposure and Risk of Breast, and Female Genital Cancers: A Systematic Review and Meta-Analysis	Seyedsalehi MS	Med Lav	2024	m		
	発がん性	breast, colorectal, prostate, and ovarian cancers	乳がん、大腸がん、前立腺がん、卵巣がん	Examining the relationship between per- and polyfluoroalkyl substances and breast, colorectal, prostate, and ovarian cancers: a meta-analysis	Sezavar AH	Crit Rev Toxicol	2024	m		
	発がん性	lung, head and neck, and thyroid cancer	肺がん、頭頸部がん、甲状腺がん	Exposure to per- and poly-fluoroalkyl substances and lung, head and neck, and thyroid cancer: A systematic review and meta-analysis	Sassano M	Environ Res	2025	m		
	発がん性	thyroid cancer	甲状腺がん	Per- and polyfluoroalkyl substances (PFAS) exposure and thyroid cancer: Systematic review and meta-analysis	van Gerwen M	Toxicol Lett	2024	m		

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	発がん性	gastrointestinal cancers	消化管がん		Zhang S	Eur J Cancer Prev	2024	m		
	その他	prediabetes/diabetes	糖尿病		Qu Y	J Hazard Mater	2024			
	その他	insulin resistance	インスリン抵抗性		Jia P	Ecotoxicol Environ Saf	2024			
	その他	depression	うつ病		Tang C	Ecotoxicol Environ Saf	2024			
	その他	midlife with bone health in midlife	骨		Lin PD	Environ Int	2024			
	その他	Bone Mineral Density	骨密度		Rokoff LB	Environ Sci Technol	2024			
	その他	bone health	骨密度		Wei Y	Front Public Health	2024			
	その他	respiratory health	呼吸器		Aker A	Environ Health	2024			
	その他	menopause onset	閉経		Berti M	Environ Res	2025			
	その他	Maternal Midlife Adiposity	肥満		Burdeau JA	J Clin Endocrinol Metab	2024			
	その他	metabolic syndrome	メタボリックシンドローム		Chung SM	Int J Hyg Environ Health	2024			
	その他	metabolic syndrome	メタボリックシンドローム		Wu J	Heliyon	2024			
	その他	lean body mass	除脂肪体重		Jia X	Heliyon	2024			
	その他	Biochemical and haematological effects	血液学的影響		Consonni D	Int J Hyg Environ Health	2024			
	その他	white matter microstructure in the developing brains	幼児の発達中の脳の白質微細構造		England-Mason G	Environ Res	2024			
	その他	age-related macular degeneration	加齢黄斑変性症		Kang H	Chemosphere	2024			
	その他	Pesticides with Lung Function	新機能		Korhner K	medRxiv	2024			
	その他	risk of dementia	認知症リスク		Lefevre-Arbogast S	Environ Int	2024			
	その他	disrupted sleep	睡眠障害		Li S	Environ Adv	2024			
	その他	COPD	慢性閉塞性肺疾患		Pan M	PLoS One	2024			

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その他	mortality from liver and kidney disease	肝臓、腎臓疾患による死亡率		Risk assessment for perfluorooctanoic acid (PFOA) in air, blood serum and water: mortality from liver and kidney disease	Park RM	Occup Environ Med	2024			
その他	vitamin D concentrations	ビタミンD		Sex-specific association of per- and polyfluoroalkyl substances (PFAS) exposure with vitamin D concentrations in older adults in the USA: an observational study	Zhao H	Environ Health	2024			
その他	Hyperuricemia	高尿酸血症		Associations of Serum Per- and Polyfluoroalkyl Substances with Hyperuricemia in Adults: A Nationwide Cross-Sectional Study	Zheng X	Environ Sci Technol	2024			
その他	hyperuricemia	高尿酸血症		Association between per- and polyfluoroalkyl substances and hyperuricemia : sex-specific analysis	Zheng X	Int J Environ Health Res	2024			
その他	hypertension and hyperlipemia	高血圧、高脂血症		Association between family economic situation and serum PFAS concentration in American adults with hypertension and hyperlipemia	Zhou X	Sci Rep	2024			
その他	dietary inflammatory index	食事性炎症指数		Association between the dietary inflammatory index and serum perfluoroalkyl and polyfluoroalkyl substance concentrations: evidence from NANHES 2007-2018	Zhou R	Food Funct	2024			
その他	Gestational diabetes	妊娠糖尿病		Gestational diabetes mellitus in relation to serum per- and polyfluoroalkyl substances: A scoping review to evaluate the need for a new systematic review	Aali G	F1000Res	2024	m		
その他 (動物含む)	glycemic control	血糖		A systematic review and meta-analysis of environmental contaminant exposure impacts on weight loss and glucose regulation during calorie-restricted diets in preclinical studies: Persistent organic pollutants may impede glycemic control	Bennett KA	Biochem Pharmacol	2024	m		
その他	stroke	脳卒中		Exposure to perfluoroalkyl and polyfluoroalkyl substances and risk of stroke in adults: a meta-analysis	Chang MC	Rev Environ Health	2023	m		
その他	risk of depression	うつ病		Persistent organic pollutants exposure and risk of depression : A systematic review and meta-analysis	Chen T	Environ Res	2024	m		
その他	renal outcomes	腎臓		Clinical, histological, molecular, and toxicokinetic renal outcomes of per-/polyfluoroalkyl substances (PFAS) exposure: Systematic review and meta-analysis	Hanvoravongchai J	Chemosphere	2024	m		
その他	bone health	骨		Exposure to per- and polyfluoroalkyl substances and bone health : a systematic review and meta-analysis	Khosrojerdi MA	Int J Environ Health Res	2024	m		