

# Akifumi Eguchi

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

1,727  
citations

279487

23  
h-index

360668

35  
g-index

86  
all docs

86  
docs citations

86  
times ranked

2100  
citing authors

#	ARTICLE	IF	CITATIONS
1	Public transportation network scan for rapid surveillance. <i>Biostatistics and Epidemiology</i> , 2023, 7, .	0.4	0
2	Public transportation network scan for rapid surveillance. <i>Biostatistics and Epidemiology</i> , 2023, 7, .	0.4	1
3	Reduced mortality during the COVID-19 outbreak in Japan, 2020: a two-stage interrupted time-series design. <i>International Journal of Epidemiology</i> , 2022, 51, 75-84.	0.9	32
4	Metabolomic Alteration in the Plasma of Wild Rodents Environmentally Exposed to Lead: A Preliminary Study. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 541.	1.2	9
5	Excess deaths from COVID-19 in Japan and 47 prefectures from January through June 2021. <i>Public Health</i> , 2022, 203, 15-18.	1.4	12
6	Association between Total and Individual PCB Congener Levels in Maternal Serum and Birth Weight of Newborns: Results from the Chiba Study of Mother and Child Health Using Weighted Quantile Sum Regression. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 694.	1.2	3
7	Reasons for Suicide During the COVID-19 Pandemic in Japan. <i>JAMA Network Open</i> , 2022, 5, e2145870.	2.8	29
8	Identification of optimum combinations of media channels for approaching COVID-19 vaccine unsure and unwilling groups in Japan. <i>The Lancet Regional Health - Western Pacific</i> , 2022, 18, 100330.	1.3	8
9	Longitudinal analyses of maternal and cord blood manganese levels and neurodevelopment in children up to 3Âyears of age: The Japan Environment and Childrenâ€™s Study (JECS). <i>Environment International</i> , 2022, 161, 107126.	4.8	5
10	Effects of gestational exposure to bisphenol A on the hepatic transcriptome and lipidome of rat dams: Intergenerational comparison of effects in the offspring. <i>Science of the Total Environment</i> , 2022, 826, 153990.	3.9	8
11	Association between telomere length in human umbilical cord tissues and polychlorinated biphenyls in maternal and cord serum. <i>Chemosphere</i> , 2022, 300, 134560.	4.2	3
12	Recent changes in the reporting of STIs in Japan during the COVID-19 pandemic. <i>Sexually Transmitted Infections</i> , 2022, , sextrans-2021-055378.	0.8	6
13	Factors associated with the risk perception of COVID-19 infection and severe illness: A cross-sectional study in Japan. <i>SSM - Population Health</i> , 2022, 18, 101105.	1.3	10
14	Changes in marriage, divorce and births during the COVID-19 pandemic in Japan. <i>BMJ Global Health</i> , 2022, 7, e007866.	2.0	22
15	Vitamin D Metabolite Ratio in Pregnant Women with Low Blood Vitamin D Concentrations Is Associated with Neonatal Anthropometric Data. <i>Nutrients</i> , 2022, 14, 2201.	1.7	0
16	Decreased incidence followed by comeback of pediatric infections during the COVID-19 pandemic in Japan. <i>World Journal of Pediatrics</i> , 2022, 18, 564-567.	0.8	5
17	Individual and mixed metal maternal blood concentrations in relation to birth size: An analysis of the Japan Environment and Childrenâ€™s Study (JECS). <i>Environment International</i> , 2022, 165, 107318.	4.8	16
18	Health impact assessment of pet cats caused by organohalogen contaminants by serum metabolomics and thyroid hormone analysis. <i>Science of the Total Environment</i> , 2022, 842, 156490.	3.9	7

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19	Inter-prefectural Travel and Network Connectedness During the COVID-19 Pandemic in Japan. <i>Journal of Epidemiology</i> , 2022, 32, 510-518.	1.1	10
20	Association between mercury in cord serum and sex-specific DNA methylation in cord tissues. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 124-131.	0.7	15
21	Effects on the liver lipidome of rat offspring prenatally exposed to bisphenol A. <i>Science of the Total Environment</i> , 2021, 759, 143466.	3.9	15
22	Trends in suicide in Japan by gender during the COVID-19 pandemic, up to September 2020. <i>Psychiatry Research</i> , 2021, 295, 113622.	1.7	94
23	Association between sum of volatile organic compounds and occurrence of building-related symptoms in humans: A study in real full-scale laboratory houses. <i>Science of the Total Environment</i> , 2021, 750, 141635.	3.9	14
24	Inflow and outflow loads of 484 daily-use chemicals in wastewater treatment plants across Japan. <i>Environmental Monitoring and Contaminants Research</i> , 2021, 1, 1-16.	0.4	6
25	Assessing the regional impact of Japan's COVID-19 state of emergency declaration: a population-level observational study using social networking services. <i>BMJ Open</i> , 2021, 11, e042002.	0.8	6
26	Trends in Healthcare Access in Japan during the First Wave of the COVID-19 Pandemic, up to June 2020. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3271.	1.2	17
27	The relationship between fever rate and telework implementation as a social distancing measure against the COVID-19 pandemic in Japan. <i>Public Health</i> , 2021, 192, 12-14.	1.4	39
28	Excess All-Cause Deaths during Coronavirus Disease Pandemic, Japan, January–May 2020. <i>Emerging Infectious Diseases</i> , 2021, 27, 789-795.	2.0	22
29	Trends in emergency transportation due to heat illness under the new normal lifestyle in the COVID-19 era, in Japan and 47 prefectures. <i>Science of the Total Environment</i> , 2021, 768, 144723.	3.9	8
30	Trends in suicide in Japan by gender during the COVID-19 pandemic, through December 2020. <i>Psychiatry Research</i> , 2021, 300, 113913.	1.7	15
31	Effect of emergency declaration on mental health during the COVID-19 pandemic in Japan: A social network service-based difference-in-differences approach. <i>Science Progress</i> , 2021, 104, 003685042110297.	1.0	1
32	Mobility Patterns in Different Age Groups in Japan during the COVID-19 Pandemic: a Small Area Time Series Analysis through March 2021. <i>Journal of Urban Health</i> , 2021, 98, 635-641.	1.8	16
33	Simultaneous determination of polybrominated diphenyl ethers and hexabromocyclododecane in plastic waste by short-column gas-chromatography-quadrupole mass spectrometry and electron capture detector. <i>Chemosphere</i> , 2021, 277, 130301.	4.2	7
34	Comparison of the PCB serum levels among mother-child pairs in areas of Eastern Japan and Central Taiwan. <i>Science of the Total Environment</i> , 2021, 806, 150272.	3.9	3
35	Reasons for being unsure or unwilling regarding intention to take COVID-19 vaccine among Japanese people: A large cross-sectional national survey. <i>The Lancet Regional Health - Western Pacific</i> , 2021, 14, 100223.	1.3	84
36	Geographically weighted generalized Farrington algorithm for rapid outbreak detection over short data accumulation periods. <i>Statistics in Medicine</i> , 2021, 40, 6277-6294.	0.8	11

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37	Dechlorination of short-chain chlorinated paraffins by the metal sodium dispersion method. <i>Chemosphere</i> , 2021, 283, 131201.	4.2	4
38	Suicide by gender and 10-year age groups during the COVID-19 pandemic vs previous five years in Japan: An analysis of national vital statistics. <i>Psychiatry Research</i> , 2021, 305, 114173.	1.7	15
39	Association between gut microbiota composition and glycoalbumin level during pregnancy in Japanese women: Pilot study from Chiba Study of Mother and Child Health. <i>Journal of Diabetes Investigation</i> , 2020, 11, 699-706.	1.1	8
40	An assessment of self-reported COVID-19 related symptoms of 227,898 users of a social networking service in Japan: Has the regional risk changed after the declaration of the state of emergency?. <i>The Lancet Regional Health - Western Pacific</i> , 2020, 1, 100011.	1.3	34
41	Trends in deaths from road injuries during the COVID-19 pandemic in Japan, January to September 2020. <i>Injury Epidemiology</i> , 2020, 7, 66.	0.8	9
42	Mother to Fetus Transfer of Hydroxylated Polychlorinated Biphenyl Congeners (OH-PCBs) in the Japanese Macaque ( <i>Macaca fuscata</i> ): Extrapolation of Exposure Scenarios to Humans. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11386-11395.	4.6	9
43	Trend change of the transmission route of COVID-19 related symptoms in Japan. <i>Public Health</i> , 2020, 187, 157-160.	1.4	5
44	Large-scale epidemiological monitoring of the COVID-19 epidemic in Tokyo. <i>The Lancet Regional Health - Western Pacific</i> , 2020, 3, 100016.	1.3	27
45	Mental health of family, friends, and co-workers of COVID-19 patients in Japan. <i>Psychiatry Research</i> , 2020, 291, 113067.	1.7	60
46	Early SNS-Based Monitoring System for the COVID-19 Outbreak in Japan: A Population-Level Observational Study. <i>Journal of Epidemiology</i> , 2020, 30, 362-370.	1.1	35
47	Concentrations of Formic Acid, Acetic Acid, and Ammonia in Newly Constructed Houses. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1940.	1.2	4
48	Time to Reconsider Diverse Ways of Working in Japan to Promote Social Distancing Measures against the COVID-19. <i>Journal of Urban Health</i> , 2020, 97, 457-460.	1.8	18
49	Travel restrictions and SARS-CoV-2 transmission: an effective distance approach to estimate impact. <i>Bulletin of the World Health Organization</i> , 2020, 98, 518-529.	1.5	32
50	Exploration of predictive metabolic factors for gestational diabetes mellitus in Japanese women using metabolomic analysis. <i>Journal of Diabetes Investigation</i> , 2019, 10, 513-520.	1.1	14
51	An Altered DNA Methylation Status in the Human Umbilical Cord Is Correlated with Maternal Exposure to Polychlorinated Biphenyls. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2786.	1.2	7
52	Targeted metabolome analysis of the dog brain exposed to PCBs suggests inhibition of oxidative phosphorylation by hydroxylated PCBs. <i>Toxicology and Applied Pharmacology</i> , 2019, 377, 114620.	1.3	12
53	DNA methylome of human neonatal umbilical cord: Enrichment of differentially methylated regions compared to umbilical cord blood DNA at transcription factor genes involved in body patterning and effects of maternal folate deficiency or children's sex. <i>PLoS ONE</i> , 2019, 14, e0214307.	1.1	11
54	The relationship of maternal PCB, toxic, and essential trace element exposure levels with birth weight and head circumference in Chiba, Japan. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15677-15684.	2.7	15

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55	Association between blood manganese level during pregnancy and birth size: The Japan environment and children's study (JECS). <i>Environmental Research</i> , 2019, 172, 117-126.	3.7	29
56	Protecting the environment from psychoactive drugs: Problems for regulators illustrated by the possible effects of tramadol on fish behaviour. <i>Science of the Total Environment</i> , 2019, 664, 915-926.	3.9	30
57	Hsa-miR-144-3p expression is increased in umbilical cord serum of infants with atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 447-450.e11.	1.5	11
58	2296-PUB: Serum Metabolome Reflects the Status of Glucose Metabolism of Japanese Pregnant Women. <i>Diabetes</i> , 2019, 68, 2296-PUB.	0.3	0
59	Maternal-fetal transfer rates of PCBs, OCPs, PBDEs, and dioxin-like compounds predicted through quantitative structure-activity relationship modeling. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7212-7222.	2.7	17
60	Fetal exposure markers of dioxins and dioxin-like PCBs. <i>Environmental Science and Pollution Research</i> , 2018, 25, 11940-11947.	2.7	12
61	Accelerated oligosaccharide absorption and altered serum metabolites during oral glucose tolerance test in young Japanese with impaired glucose tolerance. <i>Journal of Diabetes Investigation</i> , 2018, 9, 512-521.	1.1	4
62	Alterations in urinary metabolomic profiles due to lead exposure from a lead-acid battery recycling site. <i>Environmental Pollution</i> , 2018, 242, 98-105.	3.7	26
63	Exploration of potential biomarkers and related biological pathways for PCB exposure in maternal and cord serum: A pilot birth cohort study in Chiba, Japan. <i>Environment International</i> , 2017, 102, 157-164.	4.8	29
64	The methylation levels of the H19 differentially methylated region in human umbilical cords reflect newborn parameters and changes by maternal environmental factors during early pregnancy. <i>Environmental Research</i> , 2017, 157, 1-8.	3.7	13
65	Development of simple analytical methods of polychlorinated biphenyls in human serum by gas chromatography negative ion chemical ionization quadrupole mass spectrometry. <i>Acta Chromatographica</i> , 2017, 29, 503-506.	0.7	8
66	Dietary Habits and Cooking Methods Could Reduce Avoidable Exposure to PCBs in Maternal and Cord Sera. <i>Scientific Reports</i> , 2017, 7, 17357.	1.6	8
67	Assessment of questionnaire-based PCB exposure focused on food frequency in birth cohorts in Japan. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3531-3538.	2.7	3
68	Lead contamination in surface soil on roads from used lead-acid battery recycling in Dong Mai, Northern Vietnam. <i>Journal of Material Cycles and Waste Management</i> , 2016, 18, 599-607.	1.6	20
69	The effects of early postnatal exposure to a low dose of decabromodiphenyl ether (BDE-209) on serum metabolites in male mice. <i>Journal of Toxicological Sciences</i> , 2016, 41, 667-675.	0.7	9
70	Chiba study of Mother and Children's Health (C-MACH): cohort study with omics analyses. <i>BMJ Open</i> , 2016, 6, e010531.	0.8	29
71	Residue profiles of organohalogen compounds in human serum from e-waste recycling sites in North Vietnam: Association with thyroid hormone levels. <i>Environmental Research</i> , 2015, 137, 440-449.	3.7	64
72	Toxicological Assessment of Polychlorinated Biphenyls and Their Metabolites in the Liver of Baikal Seal ( <i>Pusa sibirica</i> ). <i>Environmental Science &amp; Technology</i> , 2014, 48, 13530-13539.	4.6	25

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73	Halogenated phenolic contaminants in the blood of marine mammals from Japanese coastal waters. <i>Marine Environmental Research</i> , 2014, 93, 15-22.	1.1	21
74	Occurrence of Perchlorate and Thiocyanate in Human Serum From E-Waste Recycling and Reference Sites in Vietnam: Association With Thyroid Hormone and Iodide Levels. <i>Archives of Environmental Contamination and Toxicology</i> , 2014, 67, 29-41.	2.1	25
75	Simultaneous detection of multiple hydroxylated polychlorinated biphenyls from a complex tissue matrix using gas chromatography/isotope dilution mass spectrometry. <i>Talanta</i> , 2014, 118, 253-261.	2.9	14
76	Soil contamination by brominated flame retardants in open waste dumping sites in Asian developing countries. <i>Chemosphere</i> , 2013, 90, 2365-2371.	4.2	77
77	Different profiles of anthropogenic and naturally produced organohalogen compounds in serum from residents living near a coastal area and e-waste recycling workers in India. <i>Environment International</i> , 2012, 47, 8-16.	4.8	94
78	Impact of metals in surface matrices from formal and informal electronic-waste recycling around Metro Manila, the Philippines, and intra-Asian comparison. <i>Journal of Hazardous Materials</i> , 2012, 221-222, 139-146.	6.5	64
79	Arsenic and Mn levels in Isaza ( <i>Gymnogobius isaza</i> ) during the mass mortality event in Lake Biwa, Japan. <i>Environmental Pollution</i> , 2011, 159, 2789-2796.	3.7	13
80	Anthropogenic and naturally occurring polybrominated phenolic compounds in the blood of cetaceans stranded along Japanese coastal waters. <i>Environmental Pollution</i> , 2011, 159, 3364-3373.	3.7	40
81	Organohalogen compounds and their metabolites in the blood of Japanese amberjack ( <i>Seriola lalandi</i> ). <i>Chemosphere</i> , 2011, 85, 315-321.	4.2	40
82	Analysis of Thyroid Hormones in Serum of Baikal Seals and Humans by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) and Immunoassay Methods: Application of the LC-MS/MS Method to Wildlife Tissues. <i>Environmental Science &amp; Technology</i> , 2011, 45, 10140-10147.	4.6	39
83	Optimisation of the analytical method for octa-, nona- and deca-brominated diphenyl ethers using gas chromatography-quadrupole mass spectrometry and isotope dilution. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 348-356.	1.8	21
84	Synchronous Multicentric Development of Hepatocellular Carcinoma. <i>Journal of Clinical Gastroenterology</i> , 1995, 20, 300-303.	1.1	5
85	High Rate of Portal Thrombosis After Splenectomy in Patients With Esophageal Varices and Idiopathic Portal Hypertension. <i>Archives of Surgery</i> , 1991, 126, 752.	2.3	59