

Kun Lu

List of Publications by Year in descending order

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73
papers

4,107
citations

126907

33
h-index

118850

62
g-index

73
all docs

73
docs citations

73
times ranked

4613
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic Exposure Perturbs the Gut Microbiome and Its Metabolic Profile in Mice: An Integrated Metagenomics and Metabolomics Analysis. <i>Environmental Health Perspectives</i> , 2014, 122, 284-291.	6.0	435
2	Endogenous versus Exogenous DNA Adducts: Their Role in Carcinogenesis, Epidemiology, and Risk Assessment. <i>Toxicological Sciences</i> , 2011, 120, S130-S145.	3.1	282
3	Multi-omics analyses of radiation survivors identify radioprotective microbes and metabolites. <i>Science</i> , 2020, 370, .	12.6	260
4	Gut Microbiome Response to Sucralose and Its Potential Role in Inducing Liver Inflammation in Mice. <i>Frontiers in Physiology</i> , 2017, 8, 487.	2.8	184
5	Formaldehyde Carcinogenicity Research. <i>Toxicologic Pathology</i> , 2013, 41, 181-189.	1.8	183
6	The artificial sweetener acesulfame potassium affects the gut microbiome and body weight gain in CD-1 mice. <i>PLoS ONE</i> , 2017, 12, e0178426.	2.5	175
7	Structural Characterization of Formaldehyde-Induced Cross-Links Between Amino Acids and Deoxynucleosides and Their Oligomers. <i>Journal of the American Chemical Society</i> , 2010, 132, 3388-3399.	13.7	145
8	Distribution of DNA Adducts Caused by Inhaled Formaldehyde Is Consistent with Induction of Nasal Carcinoma but Not Leukemia. <i>Toxicological Sciences</i> , 2010, 116, 441-451.	3.1	144
9	Multi-Omics Reveals that Lead Exposure Disturbs Gut Microbiome Development, Key Metabolites, and Metabolic Pathways. <i>Chemical Research in Toxicology</i> , 2017, 30, 996-1005.	3.3	141
10	Saccharin induced liver inflammation in mice by altering the gut microbiota and its metabolic functions. <i>Food and Chemical Toxicology</i> , 2017, 107, 530-539.	3.6	129
11	The Effects of an Environmentally Relevant Level of Arsenic on the Gut Microbiome and Its Functional Metagenome. <i>Toxicological Sciences</i> , 2017, 160, 193-204.	3.1	101
12	Sex-Specific Effects of Organophosphate Diazinon on the Gut Microbiome and Its Metabolic Functions. <i>Environmental Health Perspectives</i> , 2017, 125, 198-206.	6.0	96
13	Rationally designed bacterial consortia to treat chronic immune-mediated colitis and restore intestinal homeostasis. <i>Nature Communications</i> , 2021, 12, 3105.	12.8	82
14	Determination of <i>N</i> ² -Hydroxymethyl-dG Adducts in the Nasal Epithelium and Bone Marrow of Nonhuman Primates Following ¹³ CD ₂ -Formaldehyde Inhalation Exposure. <i>Chemical Research in Toxicology</i> , 2011, 24, 162-164.	3.3	80
15	Molecular Dosimetry of <i>N</i> ² -Hydroxymethyl-dG DNA Adducts in Rats Exposed to Formaldehyde. <i>Chemical Research in Toxicology</i> , 2011, 24, 159-161.	3.3	79
16	Effects of the Artificial Sweetener Neotame on the Gut Microbiome and Fecal Metabolites in Mice. <i>Molecules</i> , 2018, 23, 367.	3.8	75
17	Gut Microbiome Phenotypes Driven by Host Genetics Affect Arsenic Metabolism. <i>Chemical Research in Toxicology</i> , 2014, 27, 172-174.	3.3	74
18	Gut Microbiome Perturbations Induced by Bacterial Infection Affect Arsenic Biotransformation. <i>Chemical Research in Toxicology</i> , 2013, 26, 1893-1903.	3.3	73

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19	High-coverage metabolomics uncovers microbiota-driven biochemical landscape of interorgan transport and gut-brain communication in mice. <i>Nature Communications</i> , 2021, 12, 6000.	12.8	68
20	Review of the environmental prenatal exposome and its relationship to maternal and fetal health. <i>Reproductive Toxicology</i> , 2020, 98, 1-12.	2.9	67
21	Nicotine Alters the Gut Microbiome and Metabolites of Gut-Brain Interactions in a Sex-Specific Manner. <i>Chemical Research in Toxicology</i> , 2017, 30, 2110-2119.	3.3	66
22	Gut Microbiome Toxicity: Connecting the Environment and Gut Microbiome-Associated Diseases. <i>Toxics</i> , 2020, 8, 19.	3.7	66
23	Sex-Specific Effects of Arsenic Exposure on the Trajectory and Function of the Gut Microbiome. <i>Chemical Research in Toxicology</i> , 2016, 29, 949-951.	3.3	63
24	Gut microbiome disruption altered the biotransformation and liver toxicity of arsenic in mice. <i>Archives of Toxicology</i> , 2019, 93, 25-35.	4.2	63
25	Serum Metabolomics Identifies Altered Bioenergetics, Signaling Cascades in Parallel with Exposome Markers in Crohn's Disease. <i>Molecules</i> , 2019, 24, 449.	3.8	55
26	Manganese-induced sex-specific gut microbiome perturbations in C57BL/6 mice. <i>Toxicology and Applied Pharmacology</i> , 2017, 331, 142-153.	2.8	54
27	Serum Metabolomics in a <i>Helicobacter hepaticus</i> Mouse Model of Inflammatory Bowel Disease Reveal Important Changes in the Microbiome, Serum Peptides, and Intermediary Metabolism. <i>Journal of Proteome Research</i> , 2012, 11, 4916-4926.	3.7	51
28	Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased <i>Akkermansia muciniphila</i> Population Modulated by Dietary Black Raspberries. <i>ACS Omega</i> , 2018, 3, 10927-10937.	3.5	49
29	Use of LC-MS/MS and Stable Isotopes to Differentiate Hydroxymethyl and Methyl DNA Adducts from Formaldehyde and Nitrosodimethylamine. <i>Chemical Research in Toxicology</i> , 2012, 25, 664-675.	3.3	40
30	Lipid and Cholesterol Homeostasis after Arsenic Exposure and Antibiotic Treatment in Mice: Potential Role of the Microbiota. <i>Environmental Health Perspectives</i> , 2019, 127, 97002.	6.0	40
31	Formation of S-[1-(N2-Deoxyguanosinyl)methyl]glutathione between Glutathione and DNA Induced by Formaldehyde. <i>Journal of the American Chemical Society</i> , 2009, 131, 3414-3415.	13.7	37
32	Profound perturbation induced by triclosan exposure in mouse gut microbiome: a less resilient microbial community with elevated antibiotic and metal resistomes. <i>BMC Pharmacology & Toxicology</i> , 2017, 18, 46.	2.4	37
33	The Carbamate Aldicarb Altered the Gut Microbiome, Metabolome, and Lipidome of C57BL/6J Mice. <i>Chemical Research in Toxicology</i> , 2019, 32, 67-79.	3.3	37
34	Formaldehyde-Induced Histone Modifications in Vitro. <i>Chemical Research in Toxicology</i> , 2008, 21, 1586-1593.	3.3	36
35	Editor's Highlight: Organophosphate Diazinon Altered Quorum Sensing, Cell Motility, Stress Response, and Carbohydrate Metabolism of Gut Microbiome. <i>Toxicological Sciences</i> , 2017, 157, 354-364.	3.1	33
36	Chronic Arsenic Exposure Induces Oxidative Stress and Perturbs Serum Lysolipids and Fecal Unsaturated Fatty Acid Metabolism. <i>Chemical Research in Toxicology</i> , 2019, 32, 1204-1211.	3.3	30

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37	Arsenic Exposure from Drinking Water and Urinary Metabolomics: Associations and Long-Term Reproducibility in Bangladesh Adults. <i>Environmental Health Perspectives</i> , 2018, 126, 017005.	6.0	29
38	Evaluation of inhaled low-dose formaldehyde-induced DNA adducts and DNA-protein cross-links by liquid chromatography-tandem mass spectrometry. <i>Archives of Toxicology</i> , 2019, 93, 763-773.	4.2	29
39	The organophosphate malathion disturbs gut microbiome development and the quorum-Sensing system. <i>Toxicology Letters</i> , 2018, 283, 52-57.	0.8	28
40	Individual susceptibility to arsenic-induced diseases: the role of host genetics, nutritional status, and the gut microbiome. <i>Mammalian Genome</i> , 2018, 29, 63-79.	2.2	27
41	Formation of Hydroxymethyl DNA Adducts in Rats Orally Exposed to Stable Isotope Labeled Methanol. <i>Toxicological Sciences</i> , 2012, 126, 28-38.	3.1	25
42	Microorganisms in the Placenta: Links to Early-Life Inflammation and Neurodevelopment in Children. <i>Clinical Microbiology Reviews</i> , 2019, 32, .	13.6	24
43	Quantitative proteomics reveals systematic dysregulations of liver protein metabolism in sucralose-treated mice. <i>Journal of Proteomics</i> , 2019, 196, 1-10.	2.4	22
44	Subchronic low-dose 2,4-D exposure changed plasma acylcarnitine levels and induced gut microbiome perturbations in mice. <i>Scientific Reports</i> , 2019, 9, 4363.	3.3	22
45	Detection of gut microbiota and pathogen produced N-acyl homoserine in host circulation and tissues. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 53.	6.4	20
46	Detection of Azoxystrobin Fungicide and Metabolite Azoxystrobin-Acid in Pregnant Women and Children, Estimation of Daily Intake, and Evaluation of Placental and Lactational Transfer in Mice. <i>Environmental Health Perspectives</i> , 2022, 130, 27013.	6.0	20
47	Serum Metabolomics Reveals That Gut Microbiome Perturbation Mediates Metabolic Disruption Induced by Arsenic Exposure in Mice. <i>Journal of Proteome Research</i> , 2019, 18, 1006-1018.	3.7	19
48	Studies of xenobiotic-induced gut microbiota dysbiosis: from correlation to mechanisms. <i>Gut Microbes</i> , 2021, 13, 1921912.	9.8	19
49	Accurate Measurement of Formaldehyde-Induced DNA-Protein Cross-Links by High-Resolution Orbitrap Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2018, 31, 350-357.	3.3	18
50	The gut microbiome and arsenic-induced disease-related metabolism in mice. <i>Current Environmental Health Reports</i> , 2021, 8, 89-97.	6.7	18
51	Regulation of Chromatin Assembly and Cell Transformation by Formaldehyde Exposure in Human Cells. <i>Environmental Health Perspectives</i> , 2017, 125, 097019.	6.0	17
52	Isobaric Labeling Quantitative Metaproteomics for the Study of Gut Microbiome Response to Arsenic. <i>Journal of Proteome Research</i> , 2019, 18, 970-981.	3.7	16
53	Effects of Gut Microbiome on Carcinogenic DNA Damage. <i>Chemical Research in Toxicology</i> , 2020, 33, 2130-2138.	3.3	10
54	Metabolite Profiling of the Gut Microbiome in Mice with Dietary Administration of Black Raspberries. <i>ACS Omega</i> , 2020, 5, 1318-1325.	3.5	10

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55	Biomarkers of Environmental Toxicants: Exposure and Biological Effects. <i>Toxics</i> , 2020, 8, 37.	3.7	9
56	Developmental pyrethroid exposure and age influence phenotypes in a <i>Chd8</i> haploinsufficient autism mouse model. <i>Scientific Reports</i> , 2022, 12, 5555.	3.3	9
57	Metabolites from midtrimester plasma of pregnant patients at high risk for preterm birth. <i>American Journal of Obstetrics & Gynecology MFM</i> , 2021, 3, 100393.	2.6	8
58	A Review of Stable Isotope Labeling and Mass Spectrometry Methods to Distinguish Exogenous from Endogenous DNA Adducts and Improve Dose-Response Assessments. <i>Chemical Research in Toxicology</i> , 2022, 35, 7-29.	3.3	8
59	High-Resolution Metabolomics of 50 Neurotransmitters and Tryptophan Metabolites in Feces, Serum, and Brain Tissues Using UHPLC-ESI-Q Exactive Mass Spectrometry. <i>ACS Omega</i> , 2021, 6, 8094-8103.	3.5	7
60	An updated mode of action and human relevance framework evaluation for Formaldehyde-Related nasal tumors. <i>Critical Reviews in Toxicology</i> , 2020, 50, 919-952.	3.9	7
61	Dietary administration of black raspberries modulates arsenic biotransformation and reduces urinary 8-oxo-2-deoxyguanosine in mice. <i>Toxicology and Applied Pharmacology</i> , 2019, 377, 114633.	2.8	6
62	Using mechanistic information to support evidence integration and synthesis: a case study with inhaled formaldehyde and leukemia. <i>Critical Reviews in Toxicology</i> , 2020, 50, 885-918.	3.9	6
63	Toward Elucidating the Human Gut Microbiota-Brain Axis: Molecules, Biochemistry, and Implications for Health and Diseases. <i>Biochemistry</i> , 2022, 61, 2806-2821.	2.5	6
64	Pathology in Ecological Research With Implications for One Health: Session Summary. <i>Toxicologic Pathology</i> , 2019, 47, 1072-1075.	1.8	5
65	LC-MS/MS Analysis of the Formation and Loss of DNA Adducts in Rats Exposed to Vinyl Acetate Monomer through Inhalation. <i>Chemical Research in Toxicology</i> , 2021, 34, 793-803.	3.3	5
66	Strengthening Causal Inference in Exposomics Research: Application of Genetic Data and Methods. <i>Environmental Health Perspectives</i> , 2022, 130, 55001.	6.0	5
67	Development of LC-HRMS untargeted analysis methods for nasal epithelial lining fluid exposomics. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 847-854.	3.9	5
68	Bioaccessibility of arsenic from contaminated soils and alteration of the gut microbiome in an in vitro gastrointestinal model. <i>Environmental Pollution</i> , 2022, 309, 119753.	7.5	5
69	Molecular Dosimetry of DNA Adducts in Rats Exposed to Vinyl Acetate Monomer. <i>Toxicological Sciences</i> , 2022, 185, 197-207.	3.1	4
70	A Black Raspberry-Rich Diet Protects From Dextran Sulfate Sodium-Induced Intestinal Inflammation and Host Metabolic Perturbation in Association With Increased Aryl Hydrocarbon Receptor Ligands in the Gut Microbiota of Mice. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	4
71	Diverse genetic backgrounds play a prominent role in the metabolic phenotype of CC021/Unc and CC027/GeniUNC mice exposed to inorganic arsenic. <i>Toxicology</i> , 2021, 452, 152696.	4.2	2
72	Effects of Acute 2,3,7,8-Tetrachlorodibenzo-p-Dioxin Exposure on the Circulating and Cecal Metabolome Profile. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11801.	4.1	2

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73	Metformin for Treatment of Cytopenias in Children and Young Adults with Fanconi Anemia. Blood, 2021, 138, 1102-1102.	1.4	1