

# Caroline H Johnson

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

6,563  
citations

93792

39  
h-index

81351

76  
g-index

90  
all docs

90  
docs citations

90  
times ranked

11545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asparagine Metabolism in Tumors Is Linked to Poor Survival in Females with Colorectal Cancer: A Cohort Study. <i>Metabolites</i> , 2022, 12, 164.	1.3	8
2	HSR22-125: Quality of Gastrointestinal Surgical Oncology Care According to Insurance Status. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2022, 20, HSR22-125.	2.3	0
3	Non-targeted metabolomics and associations with per- and polyfluoroalkyl substances (PFAS) exposure in humans: A scoping review. <i>Environment International</i> , 2022, 162, 107159.	4.8	43
4	Evaluation of Racial Disparities in Quality of Care for Patients With Gastrointestinal Tract Cancer Treated With Surgery. <i>JAMA Network Open</i> , 2022, 5, e225664.	2.8	16
5	Development of an Accessible Gene Expression Bioinformatics Pipeline to Study Driver Mutations of Colorectal Cancer. <i>ATLA Alternatives To Laboratory Animals</i> , 2022, 50, 282-292.	0.7	6
6	Identification of Dose-Dependent DNA Damage and Repair Responses From Subchronic Exposure to 1,4-Dioxane in Mice Using a Systems Analysis Approach. <i>Toxicological Sciences</i> , 2021, 183, 338-351.	1.4	10
7	YIV-906 potentiated anti-PD1 action against hepatocellular carcinoma by enhancing adaptive and innate immunity in the tumor microenvironment. <i>Scientific Reports</i> , 2021, 11, 13482.	1.6	13
8	ENT2 facilitates brain endothelial cell penetration and blood-brain barrier transport by a tumor-targeting anti-DNA autoantibody. <i>JCI Insight</i> , 2021, 6, .	2.3	4
9	Kynurenic acid may underlie sex-specific immune responses to COVID-19. <i>Science Signaling</i> , 2021, 14, .	1.6	58
10	Intratumour microbiome associated with the infiltration of cytotoxic CD8+ T cells and patient survival in cutaneous melanoma. <i>European Journal of Cancer</i> , 2021, 151, 25-34.	1.3	59
11	Molecular Mechanisms of Alcohol-Induced Colorectal Carcinogenesis. <i>Cancers</i> , 2021, 13, 4404.	1.7	18
12	Non-targeted metabolomics in evaluating alterations associated with per-fluoroalkyl and polyfluoroalkyl substances (PFAS) exposure in human studies: a scoping review. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
13	Immune landscape and prognostic immune-related genes in KRAS-mutant colorectal cancer patients. <i>Journal of Translational Medicine</i> , 2021, 19, 27.	1.8	43
14	Use of Untargeted Metabolomics to Explore the Air Pollution-Related Disease Continuum. <i>Current Environmental Health Reports</i> , 2021, 8, 7-22.	3.2	19
15	Accounting for urinary dilution in peri-implantation samples: implications for creatinine adjustment and specimen pooling. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 356-365.	1.8	4
16	Joint effect of pre-operative anemia and perioperative blood transfusion on outcomes of colon-cancer patients undergoing colectomy. <i>Gastroenterology Report</i> , 2020, 8, 151-157.	0.6	9
17	Molecular Pathway Analysis Indicates a Distinct Metabolic Phenotype in Women With Right-Sided Colon Cancer. <i>Translational Oncology</i> , 2020, 13, 42-56.	1.7	14
18	64. AN ENT2-DEPENDENT, CELL-PENETRATING, AND DNA-DAMAGING LUPUS AUTOANTIBODY CROSSES THE BLOOD-BRAIN BARRIER TO TARGET BRAIN TUMORS. <i>Neuro-Oncology Advances</i> , 2020, 2, ii13-ii13.	0.4	0

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19	Sex Differences in Colon Cancer Metabolism Reveal A Novel Subphenotype. <i>Scientific Reports</i> , 2020, 10, 4905.	1.6	41
20	Tumor Tissue-Specific Biomarkers of Colorectal Cancer by Anatomic Location and Stage. <i>Metabolites</i> , 2020, 10, 257.	1.3	16
21	Analyzing Metabolomics Data for Environmental Health and Exposome Research. <i>Methods in Molecular Biology</i> , 2020, 2104, 447-467.	0.4	9
22	Gene Alterations of N6-Methyladenosine (m6A) Regulators in Colorectal Cancer: A TCGA Database Study. <i>BioMed Research International</i> , 2020, 2020, 1-13.	0.9	13
23	1,4-Dioxane as an emerging water contaminant: State of the science and evaluation of research needs. <i>Science of the Total Environment</i> , 2019, 690, 853-866.	3.9	85
24	Metabolic dysregulation in vitamin B6 and carnitine shuttle energy mechanisms associate with human frailty. <i>Nature Communications</i> , 2019, 10, 5027.	5.8	70
25	Normalizing Untargeted Periconceptional Urinary Metabolomics Data: A Comparison of Approaches. <i>Metabolites</i> , 2019, 9, 198.	1.3	30
26	Palbociclib and Fulvestrant Act in Synergy to Modulate Central Carbon Metabolism in Breast Cancer Cells. <i>Metabolites</i> , 2019, 9, 7.	1.3	10
27	Evaluation of potential carcinogenicity of organic chemicals in synthetic turf crumb rubber. <i>Environmental Research</i> , 2019, 169, 163-172.	3.7	48
28	Spontaneous DNA damage to the nuclear genome promotes senescence, redox imbalance and aging. <i>Redox Biology</i> , 2018, 17, 259-273.	3.9	103
29	Re-engineering and evaluation of anti-DNA autoantibody 3E10 for therapeutic applications. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 858-864.	1.0	12
30	Metabolomics Reveals that Dietary Xenoestrogens Alter Cellular Metabolism Induced by Palbociclib/Letrozole Combination Cancer Therapy. <i>Cell Chemical Biology</i> , 2018, 25, 291-300.e3.	2.5	52
31	Carnitine palmitoyltransferase 1C regulates cancer cell senescence through mitochondria-associated metabolic reprogramming. <i>Cell Death and Differentiation</i> , 2018, 25, 735-748.	5.0	53
32	Distinctive features of gastrointestinal stromal tumors arising from the colon and rectum. <i>Journal of Gastrointestinal Oncology</i> , 2018, 9, 231-240.	0.6	11
33	Defining Early-Onset Colon and Rectal Cancers. <i>Frontiers in Oncology</i> , 2018, 8, 504.	1.3	43
34	Beyond genomics: understanding exposotypes through metabolomics. <i>Human Genomics</i> , 2018, 12, 4.	1.4	73
35	Environmental Influences in the Etiology of Colorectal Cancer: the Premise of Metabolomics. <i>Current Pharmacology Reports</i> , 2017, 3, 114-125.	1.5	46
36	Systems biology guided by XCMS Online metabolomics. <i>Nature Methods</i> , 2017, 14, 461-462.	9.0	168

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37	PPAR $\alpha$ regulates tumor cell proliferation and senescence via a novel target gene carnitine palmitoyltransferase 1C. <i>Carcinogenesis</i> , 2017, 38, 474-483.	1.3	46
38	Exposome-Scale Investigations Guided by Global Metabolomics, Pathway Analysis, and Cognitive Computing. <i>Analytical Chemistry</i> , 2017, 89, 11505-11513.	3.2	106
39	Metabolomics guided pathway analysis reveals link between cancer metastasis, cholesterol sulfate, and phospholipids. <i>Cancer &amp; Metabolism</i> , 2017, 5, 9.	2.4	18
40	Metabolomics reveals mycoplasma contamination interferes with the metabolism of PANC-1 cells. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4267-4273.	1.9	15
41	Metabolite and Microbiome Interplay in Cancer Immunotherapy. <i>Cancer Research</i> , 2016, 76, 6146-6152.	0.4	85
42	Metabolomics: beyond biomarkers and towards mechanisms. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 451-459.	16.1	1,723
43	Global metabolomics reveals metabolic dysregulation in ischemic retinopathy. <i>Metabolomics</i> , 2016, 12, 15.	1.4	80
44	Arteriovenous Blood Metabolomics: A Readout of Intra-Tissue Metabostasis. <i>Scientific Reports</i> , 2015, 5, 12757.	1.6	62
45	Comprehensive bioimaging with fluorinated nanoparticles using breathable liquids. <i>Nature Communications</i> , 2015, 6, 5998.	5.8	50
46	Metabolism Links Bacterial Biofilms and Colon Carcinogenesis. <i>Cell Metabolism</i> , 2015, 21, 891-897.	7.2	288
47	Alterations in Spinal Cord Metabolism during Treatment of Neuropathic Pain. <i>Journal of NeuroImmune Pharmacology</i> , 2015, 10, 396-401.	2.1	8
48	Thermal Degradation of Small Molecules: A Global Metabolomic Investigation. <i>Analytical Chemistry</i> , 2015, 87, 10935-10941.	3.2	112
49	Determining conserved metabolic biomarkers from a million database queries. <i>Bioinformatics</i> , 2015, 31, 3721-3724.	1.8	8
50	Autonomous Metabolomics for Rapid Metabolite Identification in Global Profiling. <i>Analytical Chemistry</i> , 2015, 87, 884-891.	3.2	157
51	Bioinformatics: The Next Frontier of Metabolomics. <i>Analytical Chemistry</i> , 2015, 87, 147-156.	3.2	112
52	N-methylnicotinamide and nicotinamide N-methyltransferase are associated with microRNA-1291-altered pancreatic carcinoma cell metabolome and suppressed tumorigenesis. <i>Carcinogenesis</i> , 2014, 35, 2264-2272.	1.3	51
53	Luciferase does not alter metabolism in cancer cells. <i>Metabolomics</i> , 2014, 10, 354-360.	1.4	5
54	Interactive XCMS Online: Simplifying Advanced Metabolomic Data Processing and Subsequent Statistical Analyses. <i>Analytical Chemistry</i> , 2014, 86, 6931-6939.	3.2	332

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55	Metabolomic data streaming for biology-dependent data acquisition. <i>Nature Biotechnology</i> , 2014, 32, 524-527.	9.4	45
56	Optimization of harvesting, extraction, and analytical protocols for UPLC-ESI-MS-based metabolomic analysis of adherent mammalian cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5279-5289.	1.9	106
57	Toward "Omic Scale Metabolite Profiling: A Dual Separation" Mass Spectrometry Approach for Coverage of Lipid and Central Carbon Metabolism. <i>Analytical Chemistry</i> , 2013, 85, 6876-6884.	3.2	242
58	Liquid chromatography quadrupole time-of-flight mass spectrometry characterization of metabolites guided by the METLIN database. <i>Nature Protocols</i> , 2013, 8, 451-460.	5.5	379
59	Monitoring metabolic responses to chemotherapy in single cells and tumors using nanostructure-initiator mass spectrometry (NIMS) imaging. <i>Cancer &amp; Metabolism</i> , 2013, 1, 4.	2.4	43
60	Implication of intestinal VDR deficiency in inflammatory bowel disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 2118-2128.	1.1	60
61	A View from Above: Cloud Plots to Visualize Global Metabolomic Data. <i>Analytical Chemistry</i> , 2013, 85, 798-804.	3.2	85
62	Targeted Metabolomics of Serum Acylcarnitines Evaluates Hepatoprotective Effect of Wuzhi Tablet ( <i>Schisandra sphenanthera</i> Extract) against Acute Acetaminophen Toxicity. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-13.	0.5	35
63	Cytochrome P450 Regulation by $\alpha$ -Tocopherol in <i>Pxr</i> -Null and <i>PXR</i> -Humanized Mice. <i>Drug Metabolism and Disposition</i> , 2013, 41, 406-413.	1.7	25
64	Global Metabolomics Reveals Urinary Biomarkers of Breast Cancer in a MCF-7 Xenograft Mouse Model. <i>Metabolites</i> , 2013, 3, 658-672.	1.3	18
65	Novel metabolites and roles for $\alpha$ -tocopherol in humans and mice discovered by mass spectrometry-based metabolomics. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 818-830.	2.2	49
66	Radiation Metabolomics. 5. Identification of Urinary Biomarkers of Ionizing Radiation Exposure in Nonhuman Primates by Mass Spectrometry-Based Metabolomics. <i>Radiation Research</i> , 2012, 178, 328.	0.7	88
67	Challenges and opportunities of metabolomics. <i>Journal of Cellular Physiology</i> , 2012, 227, 2975-2981.	2.0	211
68	Xenobiotic Metabolomics: Major Impact on the Metabolome. <i>Annual Review of Pharmacology and Toxicology</i> , 2012, 52, 37-56.	4.2	209
69	Radiation Metabolomics. 4. UPLC-ESI-QTOFMS-Based Metabolomics for Urinary Biomarker Discovery in Gamma-Irradiated Rats. <i>Radiation Research</i> , 2011, 175, 473-484.	0.7	92
70	Synthesis of a series of phenylacetic acid 1- $\beta$ -O-acyl glucosides and comparison of their acyl migration and hydrolysis kinetics with the corresponding acyl glucuronides. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 926-934.	1.5	20
71	The -Omics in Drug Development. , 2011, , 145-173.		1
72	High-performance liquid chromatography/mass spectrometric and proton nuclear magnetic resonance spectroscopic studies of the transacylation and hydrolysis of the acyl glucuronides of a series of phenylacetic acids in buffer and human plasma. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3043-3051.	0.7	13

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73	Integrated HPLC-MS and <sup>1</sup> H-NMR spectroscopic studies on acyl migration reaction kinetics of model drug ester glucuronides. <i>Xenobiotica</i> , 2010, 40, 9-23.	0.5	26
74	Synthesis, transacylation kinetics and computational chemistry of a set of arylacetic acid 1 <sup>1</sup> -O-acyl glucuronides. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2525.	1.5	25
75	Kinetic and J-Resolved Statistical Total Correlation NMR Spectroscopy Approaches to Structural Information Recovery in Complex Reacting Mixtures: Application to Acyl Glucuronide Intramolecular Transacylation Reactions. <i>Analytical Chemistry</i> , 2008, 80, 4886-4895.	3.2	32
76	NMR Spectroscopic Studies on the in Vitro Acyl Glucuronide Migration Kinetics of Ibuprofen (( $\pm$ )-(R,S)-2-(4-Isobutylphenyl) Propanoic Acid), Its Metabolites, and Analogues. <i>Analytical Chemistry</i> , 2007, 79, 8720-8727.	3.2	45
77	Transfer of cholesteryl esters and phospholipids as well as net deposition by microsomal triglyceride transfer protein. <i>Journal of Lipid Research</i> , 2005, 46, 1779-1785.	2.0	50
78	Microsomal triglyceride transfer protein lipidation and control of CD1d on antigen-presenting cells. <i>Journal of Experimental Medicine</i> , 2005, 202, 529-539.	4.2	142