Rachel S Kelly

List of Publications by Year
in descending order

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119 papers	3,463 citations	126858 33 h-index	175177 52 g-index
123 all docs	123 docs citations	123 times ranked	7100 citing authors

#	Article	IF	Citations
1	COMETS Analytics: An Online Tool for Analyzing and Meta-Analyzing Metabolomics Data in Large Research Consortia. American Journal of Epidemiology, 2022, 191, 147-158.	1.6	9
2	Circulating levels of maternal vitamin D and risk of ADHD in offspring: results from the Vitamin D Antenatal Asthma Reduction Trial. International Journal of Epidemiology, 2022, 51, 910-918.	0.9	5
3	Metabolomic differences in lung function metrics: evidence from two cohorts. Thorax, 2022, 77, 919-928.	2.7	2
4	Metabo-Endotypes of Asthma Reveal Differences in Lung Function: Discovery and Validation in Two TOPMed Cohorts. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 288-299.	2.5	17
5	Plasma Metabolomic Profiles Associated with Three-Year Progression of Age-Related Macular Degeneration. Metabolites, 2022, 12, 32.	1.3	6
6	Association of the gut microbiome and metabolome with wheeze frequency in childhood asthma. Journal of Allergy and Clinical Immunology, 2022, 150, 325-336.	1.5	12
7	Urinary Mass Spectrometry Profiles in Age-Related Macular Degeneration. Journal of Clinical Medicine, 2022, 11, 940.	1.0	3
8	Metabolomic profiling reveals extensive adrenal suppression due to inhaled corticosteroid therapy in asthma. Nature Medicine, 2022, 28, 814-822.	15.2	37
9	Cardiometabolic Pregnancy Complications in Association With Autism-Related Traits as Measured by the Social Responsiveness Scale in ECHO. American Journal of Epidemiology, 2022, 191, 1407-1419.	1.6	9
10	Bacille Calmette-GuÃ©rin vaccine reprograms human neonatal lipid metabolism inÂvivo and inÂvitro. Cell Reports, 2022, 39, 110772.	2.9	13
11	Metabolomic signatures of the long-term exposure to air pollution and temperature. Environmental Health, 2021, 20, 3.	1.7	42
12	Maternal Metabolome in Pregnancy and Childhood Asthma or Recurrent Wheeze in the Vitamin D Antenatal Asthma Reduction Trial. Metabolites, 2021, 11, 65.	1.3	14
13	Age by Single Nucleotide Polymorphism Interactions on Bronchodilator Response in Asthmatics. Journal of Personalized Medicine, 2021, 11, 59.	1.1	5
14	Association of the Gut Microbiome and Metabolome with Wheeze Frequency in Childhood Asthma. Journal of Allergy and Clinical Immunology, 2021, 147, AB53.	1.5	3
15	Genomic-Metabolomic Associations Support the Role of LIPC and Glycerophospholipids in Age-Related Macular Degeneration. Ophthalmology Science, 2021, 1, 100017.	1.0	7
16	Maternal 17q21 genotype influences prenatal vitamin D effects on offspring asthma/recurrent wheeze. European Respiratory Journal, 2021, 58, 2002012.	3.1	11
17	NHLBI-CMREF Workshop Report on Pulmonary Vascular DiseaseÂClassification. Journal of the American College of Cardiology, 2021, 77, 2040-2052.	1.2	13
18	Characteristics and Mechanisms of a Sphingolipid-associated Childhood Asthma Endotype. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 853-863.	2.5	35

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19	A strategy for advancing for population-based scientific discovery using the metabolome: the establishment of the Metabolomics Society Metabolomic Epidemiology Task Group. Metabolomics, 2021, 17, 45.	1.4	7
20	Ambient PM2.5 species and ultrafine particle exposure and their differential metabolomic signatures. Environment International, 2021, 151, 106447.	4.8	41
21	Low gestational vitamin D level and childhood asthma are related to impaired lung function in high-risk children. Journal of Allergy and Clinical Immunology, 2021, 148, 110-119.e9.	1.5	7
22	Associations of network-derived metabolite clusters with prevalent type 2 diabetes among adults of Puerto Rican descent. BMJ Open Diabetes Research and Care, 2021, 9, e002298.	1.2	6
23	A polygenic risk score for asthma in a large racially diverse population. Clinical and Experimental Allergy, 2021, 51, 1410-1420.	1.4	15
24	Metabolomic signatures of the short-term exposure to air pollution and temperature. Environmental Research, 2021, 201, 111553.	3.7	14
25	Pharmaco-Metabolomics of Inhaled Corticosteroid Response in Individuals with Asthma. Journal of Personalized Medicine, 2021, 11, 1148.	1.1	9
26	Pharmacogenetics of Bronchodilator Response: Future Directions. Current Allergy and Asthma Reports, 2021, 21, 47.	2.4	3
27	Allergic disease and low ASQ communication score in children. Brain, Behavior, and Immunity, 2020, 83, 293-297.	2.0	12
28	Fish oil supplementation during pregnancy is protective against asthma/wheeze in offspring. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 388-391.e2.	2.0	5
29	Fecal short-chain fatty acids in pregnancy and offspring asthma and allergic outcomes. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 1100-1102.e13.	2.0	21
30	Circulating Plasma Metabolites and Cognitive Function in a Puerto Rican Cohort. Journal of Alzheimer's Disease, 2020, 76, 1267-1280.	1.2	12
31	Metabolomics, physical activity, exercise and health: A review of the current evidence. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165936.	1.8	77
32	Metabolomic signatures of lead exposure in the VA Normative Aging Study. Environmental Research, 2020, 190, 110022.	3.7	24
33	Delayed Motor Milestones Achievement in Infancy Associates with Perturbations of Amino Acids and Lipid Metabolic Pathways. Metabolites, 2020, 10, 337.	1.3	2
34	Deficiency of Alveolar Epithelial FADS2 Contributes to Pulmonary Fibrosis. , 2020, , .		0
35	Metabolomeâ€“Microbiome Crosstalk and Human Disease. Metabolites, 2020, 10, 181.	1.3	55
36	Gut Microbial-Derived Metabolomics of Asthma. Metabolites, 2020, 10, 97.	1.3	31

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37	Genome-wide interaction study reveals age-dependent determinants of responsiveness to inhaled corticosteroids in individuals with asthma. PLoS ONE, 2020, 15, e0229241.	1.1	12
38	Plasmalogens Mediate the Effect of Age on Bronchodilator Response in Individuals With Asthma. Frontiers in Medicine, 2020, 7, 38.	1.2	12
39	Stability of developmental status and risk of impairment at 24 and 36 months in late preterm infants. , 2020, 60, 101462.		8
40	The Role of Bile Acids in Food Allergy and Responses to Oral Immunotherapy by Metabolomic Profiling. Journal of Allergy and Clinical Immunology, 2020, 145, AB244.	1.5	1
41	Expression of SMARCD1 interacts with age in association with asthma control on inhaled corticosteroid therapy. Respiratory Research, 2020, 21, 31.	1.4	6
42	Biobanking and cryopreservation of human lung explants for omic analysis. European Respiratory Journal, 2020, 55, 1801635.	3.1	15
43	Phosphoric Metabolites Link Phosphate Import and Polysaccharide Biosynthesis for Candida albicans Cell Wall Maintenance. MBio, 2020, 11, .	1.8	16
44	Plasma 25-Hydroxyvitamin D Concentrations are Associated with Polyunsaturated Fatty Acid Metabolites in Young Children: Results from the Vitamin D Antenatal Asthma Reduction Trial. Metabolites, 2020, 10, 151.	1.3	6
45	Biomarkers in Obstructive Airway Diseases. Respiratory Medicine, 2020, , 131-153.	0.1	0
46	Abstract 17285: Metabolite-Derived Network Reveals Cluster of Acylcholine Metabolites Associated With Better Diet Quality and Lower Prevalence of Type 2 Diabetes: Findings From the Boston Puerto Rican Health Study. Circulation, 2020, 142, .	1.6	0
47	Blood levels of cadmium and lead in relation to breast cancer risk in three prospective cohorts. International Journal of Cancer, 2019, 144, 1010-1016.	2.3	43
48	Human Plasma Metabolomics in Age-Related Macular Degeneration: Meta-Analysis of Two Cohorts. Metabolites, 2019, 9, 127.	1.3	38
49	Pharmacometabolomics of Bronchodilator Response in Asthma and the Role of Age-Metabolite Interactions. Metabolites, 2019, 9, 179.	1.3	13
50	Whole Genome Sequencing Identifies CRISPLD2 as a Lung Function Gene in Children With Asthma. Chest, 2019, 156, 1068-1079.	0.4	5
51	The nuts and bolts of omics for the clinical allergist. Annals of Allergy, Asthma and Immunology, 2019, 123, 558-563.	0.5	15
52	Integration of Metabolomic and Other Omics Data in Population-Based Study Designs: An Epidemiological Perspective. Metabolites, 2019, 9, 117.	1.3	47
53	Integrative analysis of the intestinal metabolome of childhood asthma. Journal of Allergy and Clinical Immunology, 2019, 144, 442-454.	1.5	64
54	Integrative Analysis of the Intestinal Metabolome of Childhood Asthma. Journal of Allergy and Clinical Immunology, 2019, 143, AB3.	1.5	0

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55	Metabolomics and Communication Skills Development in Children; Evidence from the Ages and Stages Questionnaire. Metabolites, 2019, 9, 42.	1.3	24
56	The Consortium of Metabolomics Studies (COMETS): Metabolomics in 47 Prospective Cohort Studies. American Journal of Epidemiology, 2019, 188, 991-1012.	1.6	81
57	Prediagnostic plasma metabolomics and the risk of amyotrophic lateral sclerosis. Neurology, 2019, 92, 10.1212/WNL.0000000000007401.	1.5	26
58	DNA methylation profiling implicates exposure to PCBs in the pathogenesis of B-cell chronic lymphocytic leukemia. Environment International, 2019, 126, 24-36.	4.8	23
59	The role of the 17q21 genotype in the prevention of early childhood asthma and recurrent wheeze by vitamin D. European Respiratory Journal, 2019, 54, 1900761.	3.1	29
60	Dietary and Plasma Polyunsaturated Fatty Acids Are Inversely Associated with Asthma and Atopy in Early Childhood. Journal of Allergy and Clinical Immunology: in Practice, 2019, 7, 529-538.e8.	2.0	39
61	Longitudinal analysis of bronchodilator response in asthmatics and effect modification of ageâ€related trends by genotype. Pediatric Pulmonology, 2019, 54, 158-164.	1.0	15
62	Metabolomics in epidemiologic research: challenges and opportunities for early-career epidemiologists. Metabolomics, 2019, 15, 9.	1.4	16
63	Intestinal Microbial-Derived Sphingolipids Are Associated with Childhood Food Allergy. Journal of Allergy and Clinical Immunology, 2018, 141, AB288.	1.5	0
64	Preâ€diagnostic blood immune markers, incidence and progression of Bâ€cell lymphoma and multiple myeloma: Univariate and functionally informed multivariate analyses. International Journal of Cancer, 2018, 143, 1335-1347.	2.3	13
65	Quantifying Social Influences Throughout the Life Course: Action, Structure and â€˜Omicsâ€™. , 2018, , 587-609.		5
66	Human Plasma Metabolomics Study across All Stages of Age-Related Macular Degeneration Identifies Potential LipidÂBiomarkers. Ophthalmology, 2018, 125, 245-254.	2.5	66
67	Partial Least Squares Discriminant Analysis and Bayesian Networks for Metabolomic Prediction of Childhood Asthma. Metabolites, 2018, 8, 68.	1.3	18
68	Plasma metabolite profiles in children with current asthma. Clinical and Experimental Allergy, 2018, 48, 1297-1304.	1.4	30
69	Intestinal microbial-derived sphingolipids are inversely associated with childhood food allergy. Journal of Allergy and Clinical Immunology, 2018, 142, 335-338.e9.	1.5	37
70	Integrative omics to detect bacteremia in patients with febrile neutropenia. PLoS ONE, 2018, 13, e0197049.	1.1	10
71	Reply. Ophthalmology, 2018, 125, e46-e47.	2.5	0
72	Response. Chest, 2018, 153, 1283-1284.	0.4	1

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73	An Integrative Transcriptomic and Metabolomic Study of Lung Function in Children With Asthma. Chest, 2018, 154, 335-348.	0.4	52
74	Novel eosinophilic gene expression networks associated with IgE in two distinct asthma populations. Clinical and Experimental Allergy, 2018, 48, 1654-1664.	1.4	22
75	Gene editing in the context of an increasingly complex genome. BMC Genomics, 2018, 19, 595.	1.2	8
76	Metabolite quantitative trait loci provide functional link between FADS2 and lung obstruction in asthmatics. , 2018, , .		1
77	Metabolomic profiling of lung function in Costa-Rican children with asthma. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1590-1595.	1.8	46
78	Prediagnostic plasma concentrations of organochlorines and risk of B-cell non-Hodgkin lymphoma in envirogenomarkers: a nested case-control study. Environmental Health, 2017, 16, 9.	1.7	15
79	Integration of metabolomic and transcriptomic networks in pregnant women reveals biological pathways and predictive signatures associated with preeclampsia. Metabolomics, 2017, 13, 1.	1.4	38
80	Vitamin D prenatal programming of childhood metabolomics profiles at age 3 y. American Journal of Clinical Nutrition, 2017, 106, 1092-1099.	2.2	31
81	Gene expression profiling of prostate tissue identifies chromatin regulation as a potential link between obesity and lethal prostate cancer. Cancer, 2017, 123, 4130-4138.	2.0	11
82	New Strategies and Challenges in Lung Proteomics and Metabolomics. An Official American Thoracic Society Workshop Report. Annals of the American Thoracic Society, 2017, 14, 1721-1743.	1.5	44
83	Lupus-related single nucleotide polymorphisms and risk of diffuse large B-cell lymphoma. Lupus Science and Medicine, 2017, 4, e000187.	1.1	15
84	Applications of metabolomics in the study and management of preeclampsia: a review of the literature. Metabolomics, 2017, 13, 1.	1.4	35
85	Asthma Metabolomics and the Potential for Integrative Omics in Research and the Clinic. Chest, 2017, 151, 262-277.	0.4	138
86	Abstract 4236: Gene expression profiling of prostate tissue identifies biological pathways associated withTMPRSS2:ERGgene fusion. , 2017, , .		0
87	The role of tumor metabolism as a driver of prostate cancer progression and lethal disease: results from a nested case-control study. Cancer & Metabolism, 2016, 4, 22.	2.4	26
88	Ejaculation Frequency and Risk of Prostate Cancer: Updated Results with an Additional Decade of Follow-up. European Urology, 2016, 70, 974-982.	0.9	72
89	Metabolomic Biomarkers of Prostate Cancer: Prediction, Diagnosis, Progression, Prognosis, and Recurrence. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 887-906.	1.1	98
90	Reply to Herney AndrÃ©s GarcÃa-Perdomo and Ramiro Manzano Nunez's Letter to the Editor Re: Jennifer R. Rider, Kathryn M. Wilson, Jennifer M. Sinnott, Rachel S. Kelly, Lorelei A. Mucci, Edward L. Giovannucci. Ejaculation Frequency and Risk of Prostate Cancer: Updated Results with an Additional Decade of Follow-up. Eur Urol 2016;70:974â€“82. European Urology, 2016, 70, e156-e157.	0.9	0

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91	Meta-analysis of genome-wide association studies discovers multiple loci for chronic lymphocytic leukemia. Nature Communications, 2016, 7, 10933.	5.8	94
92	Genetically predicted longer telomere length is associated with increased risk of B-cell lymphoma subtypes. Human Molecular Genetics, 2016, 25, 1663-1676.	1.4	52
93	Abstract B67: Identifying obesity-linked gene expression changes in prostate cancer. , 2016, , .		0
94	Abstract A25: Tumor metabolism as a driver of lethal prostate cancer. , 2016, , .		0
95	Analysis of Heritability and Shared Heritability Based on Genome-Wide Association Studies for Thirteen Cancer Types. Journal of the National Cancer Institute, 2015, 107, djv279.	3.0	152
96	A genome-wide association study of marginal zone lymphoma shows association to the HLA region. Nature Communications, 2015, 6, 5751.	5.8	58
97	PD6-07 EJACULATION FREQUENCY AND RISK OF PROSTATE CANCER: UPDATED RESULTS FROM THE HEALTH PROFESSIONALS FOLLOW-UP STUDY. Journal of Urology, 2015, 193, .	0.2	1
98	Lag Times between Lymphoproliferative Disorder and Clinical Diagnosis of Chronic Lymphocytic Leukemia: A Prospective Analysis Using Plasma Soluble CD23. Cancer Epidemiology Biomarkers and Prevention, 2015, 24, 538-545.	1.1	11
99	Political influences on greenhouse gas emissions from US states. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8254-8259.	3.3	75
100	Life-course socioeconomic status and DNA methylation of genes regulating inflammation. International Journal of Epidemiology, 2015, 44, 1320-1330.	0.9	126
101	Tumor expression of adiponectin receptor 2 and lethal prostate cancer. Carcinogenesis, 2015, 36, 639-647.	1.3	25
102	Determinants of the t(14;18) translocation and their role in t(14;18)-positive follicular lymphoma. Cancer Causes and Control, 2015, 26, 1845-1855.	0.8	0
103	Abstract 4686: Identifying obesity-linked gene expression changes in prostate cancer. , 2015, , .		0
104	Abstract 5168: Tumor metabolism as a driver of lethal prostate cancer. , 2015, , .		0
105	Prediagnostic immunoglobulin E levels and risk of chronic lymphocytic leukemia, other lymphomas and multiple myeloma-results of the European Prospective Investigation into Cancer and Nutrition. Carcinogenesis, 2014, 35, 2716-2722.	1.3	16
106	The Integration of Social, Behavioral, and Biological Mechanisms in Models of Pathogenesis. Perspectives in Biology and Medicine, 2014, 57, 308-328.	0.3	34
107	Dietary Intakes and Risk of Lymphoid and Myeloid Leukemia in the European Prospective Investigation into Cancer and Nutrition (EPIC). Nutrition and Cancer, 2014, 66, 14-28.	0.9	24
108	Prediagnostic transcriptomic markers of Chronic lymphocytic leukemia reveal perturbations 10 years before diagnosis. Annals of Oncology, 2014, 25, 1065-1072.	0.6	40

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109	Genome-wide association study identifies multiple susceptibility loci for diffuse large B cell lymphoma. Nature Genetics, 2014, 46, 1233-1238.	9.4	147
110	Genome-wide Association Study Identifies Five Susceptibility Loci for Follicular Lymphoma outside the HLA Region. American Journal of Human Genetics, 2014, 95, 462-471.	2.6	96
111	Biomarkers of susceptibility to chemical carcinogens: the example of non-Hodgkin lymphomas. British Medical Bulletin, 2014, 111, 89-100.	2.7	14
112	t(14;18) Translocation: A Predictive Blood Biomarker for Follicular Lymphoma. Journal of Clinical Oncology, 2014, 32, 1347-1355.	0.8	115
113	Germinal center reentries of BCL2-overexpressing B cells drive follicular lymphoma progression. Journal of Clinical Investigation, 2014, 124, 5337-5351.	3.9	96
114	Genome-wide association study identifies multiple risk loci for chronic lymphocytic leukemia. Nature Genetics, 2013, 45, 868-876.	9.4	179
115	Blood Erythrocyte Concentrations of Cadmium and Lead and the Risk of B-Cell Non-Hodgkinâ€™s Lymphoma and Multiple Myeloma: A Nested Case-Control Study. PLoS ONE, 2013, 8, e81892.	1.1	26
116	Abstract LB-23: Meta-analysis of genome-wide association studies identifies multiple loci associated with chronic lymphocytic leukemia.. , 2013, , .		3
117	Incidence of cervical intraepithelial neoplasia grade 2 or worse in colposcopyâ€negative/human papillomavirusâ€positive women with lowâ€grade cytological abnormalities. BJOG: an International Journal of Obstetrics and Gynaecology, 2012, 119, 20-25.	1.1	29
118	HPV testing as a triage for borderline or mild dyskaryosis on cervical cytology: results from the Sentinel Sites study. British Journal of Cancer, 2011, 105, 983-988.	2.9	72
119	Comparison of cytology and histology results in English cervical screening laboratories before and after liquid-based cytology conversion: do the data provide evidence for a single category of high-grade dyskaryosis?. Cytopathology, 2010, 21, 368-373.	0.4	4