Claire J Steves

List of Publications by Year in descending order

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34105 17592 19,102 141 52 121 citations h-index g-index papers 198 198 198 29496 docs citations times ranked citing authors all docs

#	Article	IF	Citations
1	Attributes and predictors of long COVID. Nature Medicine, 2021, 27, 626-631.	30.7	1,613
2	Risk of COVID-19 among front-line health-care workers and the general community: a prospective cohort study. Lancet Public Health, The, 2020, 5, e475-e483.	10.0	1,595
3	Real-time tracking of self-reported symptoms to predict potential COVID-19. Nature Medicine, 2020, 26, 1037-1040.	30.7	1,173
4	Vaccine side-effects and SARS-CoV-2 infection after vaccination in users of the COVID Symptom Study app in the UK: a prospective observational study. Lancet Infectious Diseases, The, 2021, 21, 939-949.	9.1	744
5	Proton pump inhibitors alter the composition of the gut microbiota. Gut, 2016, 65, 749-756.	12.1	682
6	Large-scale association analyses identify host factors influencing human gut microbiome composition. Nature Genetics, 2021, 53, 156-165.	21.4	676
7	Sequence variants at CHRNB3–CHRNA6 and CYP2A6 affect smoking behavior. Nature Genetics, 2010, 42, 448-453.	21.4	649
8	Predicting brain age with deep learning from raw imaging data results in a reliable and heritable biomarker. Neurolmage, 2017, 163, 115-124.	4.2	629
9	Risk factors and disease profile of post-vaccination SARS-CoV-2 infection in UK users of the COVID Symptom Study app: a prospective, community-based, nested, case-control study. Lancet Infectious Diseases, The, 2022, 22, 43-55.	9.1	573
10	Symptom prevalence, duration, and risk of hospital admission in individuals infected with SARS-CoV-2 during periods of omicron and delta variant dominance: a prospective observational study from the ZOE COVID Study. Lancet, The, 2022, 399, 1618-1624.	13.7	547
11	The fecal metabolome as a functional readout of the gut microbiome. Nature Genetics, 2018, 50, 790-795.	21.4	482
12	Gut microbiota associations with common diseases and prescription medications in a population-based cohort. Nature Communications, 2018, 9, 2655.	12.8	411
13	Meta-analysis of telomere length in 19 713 subjects reveals high heritability, stronger maternal inheritance and a paternal age effect. European Journal of Human Genetics, 2013, 21, 1163-1168.	2.8	380
14	The trans-ancestral genomic architecture of glycemic traits. Nature Genetics, 2021, 53, 840-860.	21.4	341
15	Risk of long COVID associated with delta versus omicron variants of SARS-CoV-2. Lancet, The, 2022, 399, 2263-2264.	13.7	327
16	Rapid implementation of mobile technology for real-time epidemiology of COVID-19. Science, 2020, 368, 1362-1367.	12.6	313
17	Illness duration and symptom profile in symptomatic UK school-aged children tested for SARS-CoV-2. The Lancet Child and Adolescent Health, 2021, 5, 708-718.	5.6	304
18	Signatures of early frailty in the gut microbiota. Genome Medicine, 2016, 8, 8.	8.2	297

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19	Changes in symptomatology, reinfection, and transmissibility associated with the SARS-CoV-2 variant B.1.1.7: an ecological study. Lancet Public Health, The, 2021, 6, e335-e345.	10.0	269
20	Gut microbiome diversity and high-fibre intake are related to lower long-term weight gain. International Journal of Obesity, 2017, 41, 1099-1105.	3.4	268
21	Shotgun Metagenomics of 250 Adult Twins Reveals Genetic and Environmental Impacts on the Gut Microbiome. Cell Systems, 2016, 3, 572-584.e3.	6.2	261
22	Long COVID burden and risk factors in $10\mathrm{UK}$ longitudinal studies and electronic health records. Nature Communications, 2022, $13,.$	12.8	243
23	Hippurate as a metabolomic marker of gut microbiome diversity: Modulation by diet and relationship to metabolic syndrome. Scientific Reports, 2017, 7, 13670.	3.3	193
24	COVID-19 vaccine waning and effectiveness and side-effects of boosters: a prospective community study from the ZOE COVID Study. Lancet Infectious Diseases, The, 2022, 22, 1002-1010.	9.1	192
25	Gut microbial diversity is associated with lower arterial stiffness in women. European Heart Journal, 2018, 39, 2390-2397.	2.2	181
26	Omega-3 fatty acids correlate with gut microbiome diversity and production of N-carbamylglutamate in middle aged and elderly women. Scientific Reports, 2017, 7, 11079.	3.3	174
27	Ageing, genes, environment and epigenetics: what twin studies tell us now, and in the future. Age and Ageing, 2012, 41, 581-586.	1.6	131
28	Diet quality and risk and severity of COVID-19: a prospective cohort study. Gut, 2021, 70, 2096-2104.	12.1	130
29	Age and frailty are independently associated with increased COVID-19 mortality and increased care needs in survivors: results of an international multi-centre study. Age and Ageing, 2021, 50, 617-630.	1.6	120
30	Self-reported COVID-19 vaccine hesitancy and uptake among participants from different racial and ethnic groups in the United States and United Kingdom. Nature Communications, 2022, 13, 636.	12.8	118
31	TwinsUK: The UK Adult Twin Registry Update. Twin Research and Human Genetics, 2019, 22, 523-529.	0.6	116
32	Symptom clusters in COVID-19: A potential clinical prediction tool from the COVID Symptom Study app. Science Advances, 2021, 7, .	10.3	115
33	Meta-analysis of human genome-microbiome association studies: the MiBioGen consortium initiative. Microbiome, 2018, 6, 101.	11.1	109
34	Association of social distancing and face mask use with risk of COVID-19. Nature Communications, 2021, 12, 3737.	12.8	109
35	Circulating Proteomic Signatures of Chronological Age. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 809-816.	3.6	106
36	Current smoking and COVID-19 risk: results from a population symptom app in over 2.4 million people. Thorax, 2021, 76, 714-722.	5.6	105

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37	Socioeconomic Status and the Gut Microbiome: A TwinsUK Cohort Study. Microorganisms, 2019, 7, 17.	3.6	93
38	Associations between gut microbiota and genetic risk for rheumatoid arthritis in the absence of disease: a cross-sectional study. Lancet Rheumatology, The, 2020, 2, e418-e427.	3.9	91
39	Modest effects of dietary supplements during the COVID-19 pandemic: insights from 445 850 users of the COVID-19 Symptom Study app. BMJ Nutrition, Prevention and Health, 2021, 4, 149-157.	3.7	91
40	Quantifying additional COVID-19 symptoms will save lives. Lancet, The, 2020, 395, e107-e108.	13.7	87
41	Circulating Levels of the Short-Chain Fatty Acid Acetate Mediate the Effect of the Gut Microbiome on Visceral Fat. Frontiers in Microbiology, 2021, 12, 711359.	3.5	86
42	Use of dietary indices to control for diet in human gut microbiota studies. Microbiome, 2018, 6, 77.	11.1	85
43	Probable delirium is a presenting symptom of COVID-19 in frail, older adults: a cohort study of 322 hospitalised and 535 community-based older adults. Age and Ageing, 2021, 50, 40-48.	1.6	82
44	The Microbiome and Musculoskeletal Conditions of Aging: A Review of Evidence for Impact and Potential Therapeutics. Journal of Bone and Mineral Research, 2016, 31, 261-269.	2.8	81
45	Dietary Protein and Muscle in Aging People: The Potential Role of the Gut Microbiome. Nutrients, 2018, 10, 929.	4.1	80
46	Nutrition and Frailty: Opportunities for Prevention and Treatment. Nutrients, 2021, 13, 2349.	4.1	79
47	Measurements of skeletal muscle mass and power are positively related to a Mediterranean dietary pattern in women. Osteoporosis International, 2016, 27, 3251-3260.	3.1	74
48	Detecting COVID-19 infection hotspots in England using large-scale self-reported data from a mobile application: a prospective, observational study. Lancet Public Health, The, 2021, 6, e21-e29.	10.0	72
49	Dietary Magnesium Is Positively Associated With Skeletal Muscle Power and Indices of Muscle Mass and May Attenuate the Association Between Circulating C-Reactive Protein and Muscle Mass in Women. Journal of Bone and Mineral Research, 2016, 31, 317-325.	2.8	69
50	Untangling the relationship between diet and visceral fat mass through blood metabolomics and gut microbiome profiling. International Journal of Obesity, 2017, 41, 1106-1113.	3.4	68
51	Meta-analysis of epigenome-wide association studies of cognitive abilities. Molecular Psychiatry, 2018, 23, 2133-2144.	7.9	68
52	Estrogen and COVID-19 symptoms: Associations in women from the COVID Symptom Study. PLoS ONE, 2021, 16, e0257051.	2.5	68
53	Cancer and Risk of COVID-19 Through a General Community Survey. Oncologist, 2021, 26, e182-e185.	3.7	61
54	Tackling immunosenescence to improve COVID-19 outcomes and vaccine response in older adults. The Lancet Healthy Longevity, 2020, 1, e55-e57.	4.6	60

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55	Early detection of COVID-19 in the UK using self-reported symptoms: a large-scale, prospective, epidemiological surveillance study. The Lancet Digital Health, 2021, 3, e587-e598.	12.3	60
56	Estimates of the rate of infection and asymptomatic COVID-19 disease in a population sample from SE England. Journal of Infection, 2020, 81, 931-936.	3.3	59
57	Self-Reported Symptoms of COVID-19, Including Symptoms Most Predictive of SARS-CoV-2 Infection, Are Heritable. Twin Research and Human Genetics, 2020, 23, 316-321.	0.6	57
58	An Investigation Into Physical Frailty as a Link Between the Gut Microbiome and Cognitive Health. Frontiers in Aging Neuroscience, 2018, 10, 398.	3.4	51
59	Detecting SARS-CoV-2 at point of care: preliminary data comparing loop-mediated isothermal amplification (LAMP) to polymerase chain reaction (PCR). BMC Infectious Diseases, 2020, 20, 783.	2.9	51
60	Anosmia, ageusia, and other COVID-19-like symptoms in association with a positive SARS-CoV-2 test, across six national digital surveillance platforms: an observational study. The Lancet Digital Health, 2021, 3, e577-e586.	12.3	51
61	M2IA: a web server for microbiome and metabolome integrative analysis. Bioinformatics, 2020, 36, 3493-3498.	4.1	48
62	Race, ethnicity, community-level socioeconomic factors, and risk of COVID-19 in the United States and the United Kingdom. EClinicalMedicine, 2021, 38, 101029.	7.1	48
63	Detection of stable community structures within gut microbiota co-occurrence networks from different human populations. PeerJ, 2018, 6, e4303.	2.0	48
64	The Urinary Tract Microbiome in Older Women Exhibits Host Genetic and Environmental Influences. Cell Host and Microbe, 2020, 28, 298-305.e3.	11.0	45
65	Diagnostic value of cutaneous manifestation of SARSâ€CoVâ€2 infection*. British Journal of Dermatology, 2021, 184, 880-887.	1.5	45
66	Anxiety and depression symptoms after COVID-19 infection: results from the COVID Symptom Study app. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 1254-1258.	1.9	44
67	Shared genetic influence on frailty and chronic widespread pain: a study from TwinsUK. Age and Ageing, 2018, 47, 119-125.	1.6	43
68	The Identification of Hereditary and Environmental Determinants of Frailty in a Cohort of UK Twins. Twin Research and Human Genetics, 2016, 19, 600-609.	0.6	42
69	RA and the microbiome: do host genetic factors provide the link?. Journal of Autoimmunity, 2019, 99, 104-115.	6.5	42
70	Heritable components of the human fecal microbiome are associated with visceral fat. Gut Microbes, 2018, 9, 61-67.	9.8	41
71	Dissecting the role of the gut microbiota and diet on visceral fat mass accumulation. Scientific Reports, 2019, 9, 9758.	3.3	41
72	A heritability-based comparison of methods used to cluster 16S rRNA gene sequences into operational taxonomic units. PeerJ, 2016, 4, e2341.	2.0	41

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73	An association between chronic widespread pain and the gut microbiome. Rheumatology, 2021, 60, 3727-3737.	1.9	40
74	Effects of Environmental Factors on Severity and Mortality of COVID-19. Frontiers in Medicine, 2020, 7, 607786.	2.6	40
75	Plasma protein biomarkers of Alzheimer's disease endophenotypes in asymptomatic older twins: early cognitive decline and regional brain volumes. Translational Psychiatry, 2015, 5, e584-e584.	4.8	39
76	Multi-OMICS analyses of frailty and chronic widespread musculoskeletal pain suggest involvement of shared neurological pathways. Pain, 2018, 159, 2565-2572.	4.2	38
77	Concordance for clonal hematopoiesis is limited in elderly twins. Blood, 2020, 135, 269-273.	1.4	38
78	Epigenetic findings in periodontitis in UK twins: a cross-sectional study. Clinical Epigenetics, 2019, 11, 27.	4.1	37
79	Kicking Back Cognitive Ageing: Leg Power Predicts Cognitive Ageing after Ten Years in Older Female Twins. Gerontology, 2016, 62, 138-149.	2.8	36
80	Cross-Sectional Associations Between Dietary Antioxidant Vitamins C, E and Carotenoid Intakes and Sarcopenic Indices in Women Aged 18–79ÂYears. Calcified Tissue International, 2020, 106, 331-342.	3.1	36
81	The COronavirus Pandemic Epidemiology (COPE) Consortium: A Call to Action. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 1283-1289.	2.5	34
82	Genomics and metabolomics of muscular mass in a community-based sample of UK females. European Journal of Human Genetics, 2016, 24, 277-283.	2.8	32
83	Genome-wide association meta-analysis identifies five novel loci for age-related hearing impairment. Scientific Reports, 2019, 9, 15192.	3.3	32
84	Salt-inducible kinase 3, SIK3, is a new gene associated with hearing. Human Molecular Genetics, 2014, 23, 6407-6418.	2.9	30
85	Markers of metabolic health and gut microbiome diversity: findings from two population-based cohort studies. Diabetologia, 2021, 64, 1749-1759.	6. 3	30
86	Pre-pandemic mental health and disruptions to healthcare, economic and housing outcomes during the COVID-19 pandemic: evidence from 12 UK longitudinal studies. British Journal of Psychiatry, 2022, 220, 21-30.	2.8	29
87	Frailty in Older Adults with Mild Dementia: Dementia with Lewy Bodies and Alzheimer's Disease. Dementia and Geriatric Cognitive Disorders Extra, 2019, 9, 176-183.	1.3	28
88	Illness Characteristics of COVID-19 in Children Infected with the SARS-CoV-2 Delta Variant. Children, 2022, 9, 652.	1.5	28
89	Lifestyle mediates the role of nutrient-sensing pathways in cognitive aging: cellular and epidemiological evidence. Communications Biology, 2020, 3, 157.	4.4	27
90	Hearing Ability with Age in Northern European Women: A New Web-Based Approach to Genetic Studies. PLoS ONE, 2012, 7, e35500.	2.5	24

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91	Endocannabinoid system mediates the association between gut-microbial diversity and anhedonia/amotivation in a general population cohort. Molecular Psychiatry, 2021, 26, 6269-6276.	7.9	24
92	Epigenome-Wide DNA Methylation in Hearing Ability: New Mechanisms for an Old Problem. PLoS ONE, 2014, 9, e105729.	2.5	23
93	Symptoms and syndromes associated with SARS-CoV-2 infection and severity in pregnant women from two community cohorts. Scientific Reports, 2021, 11, 6928.	3.3	22
94	Gut microbiome diversity and composition is associated with hypertension in women. Journal of Hypertension, 2021, 39, 1810-1816.	0.5	22
95	Optimal symptom combinations to aid COVID-19 case identification: Analysis from a community-based, prospective, observational cohort. Journal of Infection, 2021, 82, 384-390.	3.3	21
96	Cognitive Change in Older Women Using a Computerised Battery: A Longitudinal Quantitative Genetic Twin Study. Behavior Genetics, 2013, 43, 468-479.	2.1	20
97	The composition of the gut microbiome differs among community dwelling older people with good and poor appetite. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 368-377.	7.3	19
98	Dysregulated Antibody, Natural Killer Cell and Immune Mediator Profiles in Autoimmune Thyroid Diseases. Cells, 2020, 9, 665.	4.1	18
99	Accessible data curation and analytics for international-scale citizen science datasets. Scientific Data, 2021, 8, 297.	5.3	18
100	Cognitive Decline and Risk of Dementia in Individuals With Heart Failure: A Systematic Review and Meta-analysis. Journal of Cardiac Failure, 2022, 28, 1337-1348.	1.7	18
101	Diet and lifestyle behaviour disruption related to the pandemic was varied and bidirectional among US and UK adults participating in the ZOE COVID Study. Nature Food, 2021, 2, 957-969.	14.0	18
102	ACE2 expression in adipose tissue is associated with cardio-metabolic risk factors and cell type compositionâ€"implications for COVID-19. International Journal of Obesity, 2022, 46, 1478-1486.	3.4	18
103	App-based COVID-19 syndromic surveillance and prediction of hospital admissions in COVID Symptom Study Sweden. Nature Communications, 2022, 13, 2110.	12.8	17
104	Post-vaccination infection rates and modification of COVID-19 symptoms in vaccinated UK school-aged children and adolescents: A prospective longitudinal cohort study. Lancet Regional Health - Europe, The, 2022, 19, 100429.	5.6	15
105	Geriatricians and care homes: perspectives from geriatric medicine departments and primary care trusts. Clinical Medicine, 2009, 9, 528-533.	1.9	14
106	The PROMOTe study: targeting the gut microbiome with prebiotics to overcome age-related anabolic resistance: protocol for a double-blinded, randomised, placebo-controlled trial. BMC Geriatrics, 2021, 21, 407.	2.7	14
107	Impacts of dietary exposure to pesticides on faecal microbiome metabolism in adult twins. Environmental Health, 2022, 21, 46.	4.0	14
108	Genome-wide scan identifies novel genetic loci regulating salivary metabolite levels. Human Molecular Genetics, 2020, 29, 864-875.	2.9	13

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109	Effect of perindopril or leucine on physical performance in older people with sarcopenia: the LACE randomized controlled trial. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 858-871.	7.3	13
110	Geo-social gradients in predicted COVID-19 prevalence in Great Britain: results from 1 960 242 users of the COVID-19 Symptoms Study app. Thorax, 2021, 76, 723-725.	5.6	12
111	Distinct clinical symptom patterns in patients hospitalised with COVID-19 in an analysis of 59,011 patients in the ISARIC-4C study. Scientific Reports, 2022, 12, 6843.	3.3	12
112	The correlation between cognitive performance and retinal nerve fibre layer thickness is largely explained by genetic factors. Scientific Reports, 2016, 6, 34116.	3.3	11
113	Associations between UK tap water and gut microbiota composition suggest the gut microbiome as a potential mediator of health differences linked to water quality. Science of the Total Environment, 2020, 739, 139697.	8.0	11
114	Knowledge barriers in a national symptomatic-COVID-19 testing programme. PLOS Global Public Health, 2022, 2, e0000028.	1.6	11
115	TwinsUK COVID-19 personal experience questionnaire (CoPE): wave 1 data capture April-May 2020. Wellcome Open Research, 0, 6, 123.	1.8	10
116	Increased habitual flavonoid intake predicts attenuation of cognitive ageing in twins. BMC Medicine, 2021, 19, 185.	5 . 5	10
117	Genetic and environmental contributions to the association between mood disorder and periodontal disease: A crossâ€sectional study among female twins in the UK. Journal of Clinical Periodontology, 2019, 46, 40-50.	4.9	9
118	Growing research in geriatric medicine. Age and Ageing, 2019, 48, 316-319.	1.6	8
119	Disentangling post-vaccination symptoms from early COVID-19. EClinicalMedicine, 2021, 42, 101212.	7.1	8
120	Microbiota composition is moderately associated with greenspace composition in a UK cohort of twins. Science of the Total Environment, 2022, 813, 152321.	8.0	7
121	Integrating Comprehensive Geriatric Assessment for people with COPD and frailty starting pulmonary rehabilitation: the Breathe Plus feasibility trial protocol. ERJ Open Research, 2021, 7, 00717-2020.	2.6	6
122	Adipose methylome integrative-omic analyses reveal genetic and dietary metabolic health drivers and insulin resistance classifiers. Genome Medicine, 2022, 14, .	8.2	6
123	Management of tuberculosis in a British inner-city population. Journal of Public Health, 2002, 24, 49-52.	1.8	5
124	Aging Trajectories in Different Body Systems Share Common Environmental Etiology: The Healthy Aging Twin Study (HATS). Twin Research and Human Genetics, 2016, 19, 27-34.	0.6	5
125	Widespread smell testing for COVID-19 has limited application – Authors' reply. Lancet, The, 2020, 396, 1630-1631.	13.7	4
126	An overview of the TwinsUK cohort's anxiety and depression assessment, using the self-reported Hospital Anxiety and Depression Scale. Wellcome Open Research, 0, 4, 10.	1.8	4

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127	The relationship between naevus count, memory function and telomere length in the Twins <scp>UK</scp> cohort. Pigment Cell and Melanoma Research, 2018, 31, 720-724.	3.3	3
128	Individual Factors Including Age, BMI, and Heritable Factors Underlie Temperature Variation in Sickness and in Health: An Observational, Multi-cohort Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 1890-1897.	3.6	2
129	The association between low birth weight, childhood recollections of parental response to illness, and irritable bowel syndrome: a twin study. Neurogastroenterology and Motility, 2020, 32, e13939.	3.0	1
130	Real-time tracking of self-reported symptoms to predict potential COVID-19., 0, .		1
131	Incremental Value of a Panel of Serum Metabolites for Predicting Risk of Atherosclerotic Cardiovascular Disease. Journal of the American Heart Association, 2022, 11, e024590.	3.7	1
132	99 * THE ROCKWOOD FRAILTY INDEX IN TWINSUK. Age and Ageing, 2014, 43, i27-i27.	1.6	0
133	Response to: The Microbiome: A Biological Mechanism Underpinning the Social Gradient of Musculoskeletal Conditions. Journal of Bone and Mineral Research, 2016, 31, 1316-1316.	2.8	0
134	Response to: Population-Based Gut Microbiome Associations With Hypertension. Circulation Research, 2018, 123, 1188-1189.	4.5	0
135	Keeping together: older people in longitudinal research studies, the case of TwinsUK. Working With Older People, 2021, 25, 105-114.	0.4	0
136	103 Periodontal Health and Sarcopenia: Cross-Sectional Evidence From A Cohort of 2040 Twin Volunteers. Age and Ageing, 2021, 50, i12-i42.	1.6	0
137	144 Probable Delirium is A Presenting Symptom of COVID-19 in Frail, Older Adults: A Study of Hospitalised and Community-Based Cohorts. Age and Ageing, 2021, 50, i12-i42.	1.6	0
138	99 Heritability of Temperature and the Effects of Ageing on Temperature Regulation: An Observational Multi-Cohort Study. Age and Ageing, 2021, 50, i12-i42.	1.6	0
139	Self-reported Anxiety Sensitivity Index in the TwinsUK cohort. Wellcome Open Research, 0, 4, 40.	1.8	0
140	Introducing ExHiBITT – Exploring Host microBlome inTeractions in Twins –, a colon multiomic cohort study. Wellcome Open Research, 0, 5, 30.	1.8	0
141	Diverging destinies: â€~social' data within the TwinsUK cohort. Wellcome Open Research, 0, 7, 19.	1.8	0