FrÃ©dÃ©ric B Piel

List of Publications by Year
in descending order

65 papers	28,646 citations	172457 29 h-index	110387 64 g-index
73 all docs	73 docs citations	73 times ranked	49472 citing authors

#	Article	IF	Citations
1	Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990â€“2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1545-1602.	13.7	5,298
2	Global, regional, and national incidence, prevalence, and years lived with disability for 301 acute and chronic diseases and injuries in 188 countries, 1990â€“2013: a systematic analysis for the Global Burden of Disease Study 2013. Lancet, The, 2015, 386, 743-800.	13.7	4,951
3	Global, regional, and national life expectancy, all-cause mortality, and cause-specific mortality for 249 causes of death, 1980â€“2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1459-1544.	13.7	4,934
4	Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990â€“2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1659-1724.	13.7	4,203
5	Global, regional, and national disability-adjusted life-years (DALYs) for 315 diseases and injuries and healthy life expectancy (HALE), 1990â€“2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1603-1658.	13.7	1,612
6	Sickle Cell Disease. New England Journal of Medicine, 2017, 376, 1561-1573.	27.0	898
7	Global epidemiology of sickle haemoglobin in neonates: a contemporary geostatistical model-based map and population estimates. Lancet, The, 2013, 381, 142-151.	13.7	841
8	Sickle cell disease. Nature Reviews Disease Primers, 2018, 4, 18010.	30.5	764
9	Global Burden of Sickle Cell Anaemia in Children under Five, 2010â€“2050: Modelling Based on Demographics, Excess Mortality, and Interventions. PLoS Medicine, 2013, 10, e1001484.	8.4	738
10	Global and National Burden of Diseases and Injuries Among Children and Adolescents Between 1990 and 2013. JAMA Pediatrics, 2016, 170, 267.	6.2	479
11	Sickle Cell Disease in Africa. American Journal of Preventive Medicine, 2011, 41, S398-S405.	3.0	470
12	Global distribution of the sickle cell gene and geographical confirmation of the malaria hypothesis. Nature Communications, 2010, 1, 104.	12.8	423
13	Measuring the health-related Sustainable Development Goals in 188 countries: a baseline analysis from the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1813-1850.	13.7	413
14	G6PD Deficiency Prevalence and Estimates of Affected Populations in Malaria Endemic Countries: A Geostatistical Model-Based Map. PLoS Medicine, 2012, 9, e1001339.	8.4	404
15	The global distribution of the Duffy blood group. Nature Communications, 2011, 2, 266.	12.8	287
16	Changes in health in England, with analysis by English regions and areas of deprivation, 1990â€“2013: a systematic analysis for the Global Burden of Disease Study 2013. Lancet, The, 2015, 386, 2257-2274.	13.7	279
17	The Î±-Thalassemias. New England Journal of Medicine, 2014, 371, 1908-1916.	27.0	266
18	Spatial distribution of G6PD deficiency variants across malaria-endemic regions. Malaria Journal, 2013, 12, 418.	2.3	135

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19	Global migration and the changing distribution of sickle haemoglobin: a quantitative study of temporal trends between 1960 and 2000. The Lancet Global Health, 2014, 2, e80-e89.	6.3	127
20	Newborn screening for sickle cell disease in Europe: recommendations from a Panâ€European Consensus Conference. British Journal of Haematology, 2018, 183, 648-660.	2.5	100
21	Environmental determinants of severity in sickle cell disease. Haematologica, 2015, 100, 1108-1116.	3.5	90
22	The distribution of haemoglobin C and its prevalence in newborns in Africa. Scientific Reports, 2013, 3, 1671.	3.3	85
23	Bayesian geostatistics in health cartography: the perspective of malaria. Trends in Parasitology, 2011, 27, 246-253.	3.3	66
24	The Present and Future Global Burden of the Inherited Disorders of Hemoglobin. Hematology/Oncology Clinics of North America, 2016, 30, 327-341.	2.2	63
25	Title is missing!. Integrated Pest Management Reviews, 2001, 6, 237-242.	0.1	57
26	The spatial epidemiology of sickle-cell anaemia in India. Scientific Reports, 2018, 8, 17685.	3.3	55
27	Real-time national survey of COVID-19 in hemoglobinopathy and rare inherited anemia patients. Haematologica, 2020, 105, 2651-2654.	3.5	42
28	Child mortality from sickle cell disease in Nigeria: a model-estimated, population-level analysis of data from the 2018 Demographic and Health Survey. Lancet Haematology,the, 2021, 8, e723-e731.	4.6	38
29	Implementing newborn screening for sickle cell disease as part of immunisation programmes in Nigeria: a feasibility study. Lancet Haematology,the, 2020, 7, e534-e540.	4.6	35
30	Comparative multilocus phylogeography of two Palaearctic spruce bark beetles: influence of contrasting ecological strategies on genetic variation. Molecular Ecology, 2015, 24, 1292-1310.	3.9	34
31	Real-life experience with hydroxyurea in sickle cell disease: A multicenter study in a cohort of patients with heterogeneous descent. Blood Cells, Molecules, and Diseases, 2018, 69, 82-89.	1.4	34
32	Caring for Africaâ€™s sickle cell children: will we rise to the challenge?. BMC Medicine, 2020, 18, 92.	5.5	30
33	Associations between environmental factors and hospital admissions for sickle cell disease. Haematologica, 2017, 102, 666-675.	3.5	29
34	HemoTypeSC, a low-cost point-of-care testing device for sickle cell disease: Promises and challenges. Blood Cells, Molecules, and Diseases, 2019, 78, 22-28.	1.4	28
35	Small-area methods for investigation of environment and health. International Journal of Epidemiology, 2020, 49, 686-699.	1.9	26
36	Access to emergency departments for acute events and identification of sickle cell disease in refugees. Blood, 2019, 133, 2100-2103.	1.4	24

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37	Observed and expected frequencies of structural hemoglobin variants in newborn screening surveys in Africa and the Middle East: deviations from Hardy-Weinberg equilibrium. Genetics in Medicine, 2016, 18, 265-274.	2.4	22
38	Occurrence of Ips typographus (Col., Scolytidae) along an urbanization gradient in Brussels, Belgium. Agricultural and Forest Entomology, 2005, 7, 161-167.	1.3	20
39	Advances in spatiotemporal models for non-communicable disease surveillance. International Journal of Epidemiology, 2020, 49, i26-i37.	1.9	19
40	Temporal trends and demographic risk factors for hospital admissions due to carbon monoxide poisoning in England. Preventive Medicine, 2020, 136, 106104.	3.4	16
41	Sickle-cell disease: a call to action. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2015, 109, 355-356.	1.8	15
42	Estimating the burden of Î±-thalassaemia in Thailand using a comprehensive prevalence database for Southeast Asia. ELife, 2019, 8, .	6.0	15
43	New occurrence of Ips duplicatus Sahlberg in Herstal (Liege, Belgium). EPPO Bulletin, 2006, 36, 529-530.	0.8	14
44	The challenge of opt-outs from NHS data: a small-area perspective. Journal of Public Health, 2018, 40, e594-e600.	1.8	13
45	Quantitative Determination and Environmental Risk Assessment of 102 Chemicals of Emerging Concern in Wastewater-Impacted Rivers Using Rapid Direct-Injection Liquid Chromatographyâ€”Tandem Mass Spectrometry. Molecules, 2021, 26, 5431.	3.8	13
46	Online Biomedical Resources for Malariaâ€Related Red Cell Disorders. Human Mutation, 2013, 34, 937-944.	2.5	11
47	The Jamaican Historical Experience of the Impact of Educational Interventions on Sickle Cell Disease Child Mortality. American Journal of Preventive Medicine, 2012, 42, e101-e103.	3.0	10
48	Subphenotypes of sickle cell disease in Africa. Blood, 2017, 130, 2157-2158.	1.4	10
49	A Multi-centre Survey of Acceptability of Newborn Screening for Sickle Cell Disease in Nigeria. Cureus, 2018, 10, e2354.	0.5	10
50	Sickle Cell Anemia: History and Epidemiology. , 2016, , 23-47.		9
51	Disease mapping of early- and late-stage cancer to monitor inequalities in early detection: a study of cutaneous malignant melanoma. European Journal of Epidemiology, 2020, 35, 537-547.	5.7	9
52	Software application profile: the Rapid Inquiry Facility 4.0: an open access tool for environmental public health tracking. International Journal of Epidemiology, 2020, 49, i38-i48.	1.9	9
53	Risk of cardiovascular mortality, stroke and coronary heart mortality associated with aircraft noise around Congonhas airport, SÃ£o Paulo, Brazil: a small-area study. Environmental Health, 2021, 20, 59.	4.0	8
54	A comparison of small-area deprivation indicators for public-health surveillance in Sweden. Scandinavian Journal of Public Health, 2023, 51, 520-526.	2.3	8

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55	Understanding the contrasting spatial haplotype patterns of malaria-protective Î²-globin polymorphisms. Infection, Genetics and Evolution, 2015, 36, 174-183.	2.3	7
56	Availability, access, analysis and dissemination of small-area data. International Journal of Epidemiology, 2020, 49, i4-i14.	1.9	7
57	Vitamin A supplements, routine immunization, and the subsequent risk of Plasmodium infection among children under 5 years in sub-Saharan Africa. ELife, 2015, 4, e03925.	6.0	7
58	Advances in mapping population and demographic characteristics at small-area levels. International Journal of Epidemiology, 2020, 49, i15-i25.	1.9	5
59	Small-area data on socioeconomic status and immigrant groups for evaluating equity of early cancer detection and care. Acta OncolÃ³gica, 2021, 60, 347-352.	1.8	5
60	Co-morbidities and mortality in patients with sickle cell disease in England: A 10-year cohort analysis using hospital episodes statistics (HES) data. Blood Cells, Molecules, and Diseases, 2021, 89, 102567.	1.4	4
61	Managing the burden of sickle-cell disease in Africa. Lancet Haematology,the, 2014, 1, e11-e12.	4.6	3
62	Transfusion Therapy in a Multi-Ethnic Sickle Cell Population Real-World Practice. a Preliminary Data Analysis of Multicentre Survey. Blood, 2018, 132, 2389-2389.	1.4	3
63	Transfusional Approach in Multi-Ethnic Sickle Cell Patients: Real-World Practice Data From a Multicenter Survey in Italy. Frontiers in Medicine, 2022, 9, 832154.	2.6	2
64	Using large and complex datasets for small-area environment-health studies: from theory to practice. International Journal of Epidemiology, 2020, 49, i1-i3.	1.9	1
65	Proteomics Pathways of Sickle Cell Anemia (P2SCA): A Comprehensive Analysis By Liquid Chromatography Mass Spectrometry of Erythrocyte Membrane Proteins Characterized from the Muhimbili Sickle Cell Programme, Tanzania. Blood, 2018, 132, 3653-3653.	1.4	0