

# Peter Kojo Quashie

## List of Publications by Citations

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35  
papers

844  
citations

14  
h-index

29  
g-index

39  
ext. papers

1,032  
ext. citations

7.3  
avg, IF

3.69  
L-index

#	Paper	IF	Citations
35	Characterization of the R263K mutation in HIV-1 integrase that confers low-level resistance to the second-generation integrase strand transfer inhibitor dolutegravir. <i>Journal of Virology</i> , <b>2012</b> , 86, 2696-705	6.6	188
34	Viral fitness cost prevents HIV-1 from evading dolutegravir drug pressure. <i>Retrovirology</i> , <b>2013</b> , 10, 22	3.6	103
33	The M50I polymorphic substitution in association with the R263K mutation in HIV-1 subtype B integrase increases drug resistance but does not restore viral replicative fitness. <i>Retrovirology</i> , <b>2014</b> , 11, 7	3.6	60
32	Biochemical analysis of the role of G118R-linked dolutegravir drug resistance substitutions in HIV-1 integrase. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 6223-35	5.9	56
31	Differential effects of the G118R, H51Y, and E138K resistance substitutions in different subtypes of HIV integrase. <i>Journal of Virology</i> , <b>2015</b> , 89, 3163-75	6.6	51
30	Evolution of HIV integrase resistance mutations. <i>Current Opinion in Infectious Diseases</i> , <b>2013</b> , 26, 43-9	5.4	50
29	Addition of E138K to R263K in HIV integrase increases resistance to dolutegravir, but fails to restore activity of the HIV integrase enzyme and viral replication capacity. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 2733-40	5.1	41
28	Integrase strand transfer inhibitors in the management of HIV-positive individuals. <i>Annals of Medicine</i> , <b>2014</b> , 46, 123-9	1.5	38
27	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. <i>Science</i> , <b>2021</b> , 374, 423-431	33.3	35
26	Identification of a Pyridoxine-Derived Small-Molecule Inhibitor Targeting Dengue Virus RNA-Dependent RNA Polymerase. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 600-8	5.9	29
25	Evolution of a novel pathway leading to dolutegravir resistance in a patient harbouring N155H and multiclass drug resistance. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 405-11	5.1	28
24	HIV Drug Resistance and the Advent of Integrase Inhibitors. <i>Current Infectious Disease Reports</i> , <b>2013</b> , 15, 85-100	3.9	26
23	Effect of HIV-1 integrase resistance mutations when introduced into SIVmac239 on susceptibility to integrase strand transfer inhibitors. <i>Journal of Virology</i> , <b>2014</b> , 88, 9683-92	6.6	21
22	Development of a fluorescence-based HIV-1 integrase DNA binding assay for identification of novel HIV-1 integrase inhibitors. <i>Antiviral Research</i> , <b>2013</b> , 98, 441-8	10.8	15
21	Structural Studies of the HIV-1 Integrase Protein: Compound Screening and Characterization of a DNA-Binding Inhibitor. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128310	3.7	14
20	The R263K substitution in HIV-1 subtype C is more deleterious for integrase enzymatic function and viral replication than in subtype B. <i>Aids</i> , <b>2015</b> , 29, 1459-66	3.5	12
19	A resveratrol analog termed 3,3a4,4a5,5ahexahydroxy-trans-stilbene is a potent HIV-1 inhibitor. <i>Journal of Medical Virology</i> , <b>2015</b> , 87, 2054-60	19.7	11

18	The R263K mutation in HIV integrase that is selected by dolutegravir may actually prevent clinically relevant resistance to this compound. <i>Journal of the International AIDS Society</i> , <b>2014</b> , 17, 19518	5.4	10
17	Genomic analysis of SARS-CoV-2 reveals local viral evolution in Ghana. <i>Experimental Biology and Medicine</i> , <b>2021</b> , 246, 960-970	3.7	9
16	Dolutegravir maintains a durable effect against HIV replication in tissue culture even after drug washout. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 2810-5	5.1	7
15	Characterization of the Drug Resistance Profiles of Integrase Strand Transfer Inhibitors in Simian Immunodeficiency Virus SIVmac239. <i>Journal of Virology</i> , <b>2015</b> , 89, 12002-13	6.6	6
14	HIV-1 group O integrase displays lower enzymatic efficiency and higher susceptibility to raltegravir than HIV-1 group M subtype B integrase. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 7141-50	5.9	6
13	Subtype-specific analysis of the K65R substitution in HIV-1 that confers hypersusceptibility to a novel nucleotide-competing reverse transcriptase inhibitor. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 3189-96	5.9	4
12	HIV-1 group O integrase displays lower susceptibility to raltegravir and has a different mutational pathway for resistance than HIV-1 group M. <i>Journal of the International AIDS Society</i> , <b>2014</b> , 17, 19738	5.4	3
11	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa		3
10	Trends of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) antibody prevalence in selected regions across Ghana. <i>Wellcome Open Research</i> , 6, 173	4.8	3
9	Biochemical Analysis of the Role of G118R-Linked Dolutegravir Drug Resistance Substitutions in HIV-1 Integrase. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 3580-3580	5.9	2
8	Biochemical Analysis of the Role of G118R-Linked Dolutegravir Drug Resistance Substitutions in HIV-1 Integrase. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 633-633	5.9	2
7	Empowering Early Career Researchers to Improve Science		2
6	Genetic diversity of SARS-CoV-2 infections in Ghana from 2020-2021.. <i>Nature Communications</i> , <b>2022</b> , 13, 2494	17.4	2
5	Rapid, Cheap, and Effective COVID-19 Diagnostics for Africa. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	1
4	Low COVID-19 impact in Africa: The multifactorial Nexus. <i>AAS Open Research</i> , 4, 47	1.8	1
3	Trends of SARS-CoV-2 antibody prevalence in selected regions across Ghana		1
2	Progressive emergence of an S153F plus R263K combination of integrase mutations in the proviral DNA of one individual successfully treated with dolutegravir. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2021</b> , 76, 639-647	5.1	0
1	Explaining the unexpected COVID-19 trends and potential impact across Africa.. <i>F1000Research</i> , 10, 11773.6		

