Eleanor R Gray

List of Publications by Year
in descending order

16 papers	1,162 citations	623734 14 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	1855 citing authors

#	Article	IF	Citations
1	Spin-enhanced nanodiamond biosensing for ultrasensitive diagnostics. Nature, 2020, 587, 588-593.	27.8	184
2	Minor groove binder modification of widely used TaqMan hydrolysis probe for detection of dengue virus reduces risk of false-negative real-time PCR results for serotype 4. Journal of Virological Methods, 2019, 268, 17-23.	2.1	2
3	Platinum Nanocatalyst Amplification: Redefining the Gold Standard for Lateral Flow Immunoassays with Ultrabroad Dynamic Range. ACS Nano, 2018, 12, 279-288.	14.6	284
4	p24 revisited. Aids, 2018, 32, 2089-2102.	2.2	37
5	Quantifying Biomolecular Binding Constants using Video Paper Analytical Devices. Chemistry - A European Journal, 2018, 24, 9783-9787.	3.3	16
6	Ultra-rapid, sensitive and specific digital diagnosis of HIV with a dual-channel SAW biosensor in a pilot clinical study. Npj Digital Medicine, 2018, 1, 35.	10.9	32
7	Self-Swabbing for Virological Confirmation of Influenza-Like Illness Among an Internet-Based Cohort in the UK During the 2014-2015 Flu Season: Pilot Study. Journal of Medical Internet Research, 2018, 20, e71.	4.3	17
8	Unravelling the Molecular Basis of High Affinity Nanobodies against HIV p24: In Vitro Functional, Structural, and in Silico Insights. ACS Infectious Diseases, 2017, 3, 479-491.	3.8	33
9	Towards an ultra-rapid smartphone- connected test for infectious diseases. Scientific Reports, 2017, 7, 11971.	3.3	42
10	Tuneable plasmonic gold dendrimer nanochains for sensitive disease detection. Journal of Materials Chemistry B, 2017, 5, 7262-7266.	5.8	17
11	Deep Sequencing of Viral Genomes Provides Insight into the Evolution and Pathogenesis of Varicella Zoster Virus and Its Vaccine in Humans. Molecular Biology and Evolution, 2014, 31, 397-409.	8.9	91
12	Evolution of Cocirculating Varicella-Zoster Virus Genotypes during a Chickenpox Outbreak in Guinea-Bissau. Journal of Virology, 2014, 88, 13936-13946.	3.4	29
13	Binding of more than one Tva800 molecule is required for ASLV-A entry. Retrovirology, 2011, 8, 96.	2.0	19
14	No Evidence of XMRV or Related Retroviruses in a London HIV-1-Positive Patient Cohort. PLoS ONE, 2011, 6, e18096.	2.5	25
15	Specific Capture and Whole-Genome Sequencing of Viruses from Clinical Samples. PLoS ONE, 2011, 6, e27805.	2.5	193
16	Disease-associated XMRV sequences are consistent with laboratory contamination. Retrovirology, 2010, 7, 111.	2.0	141