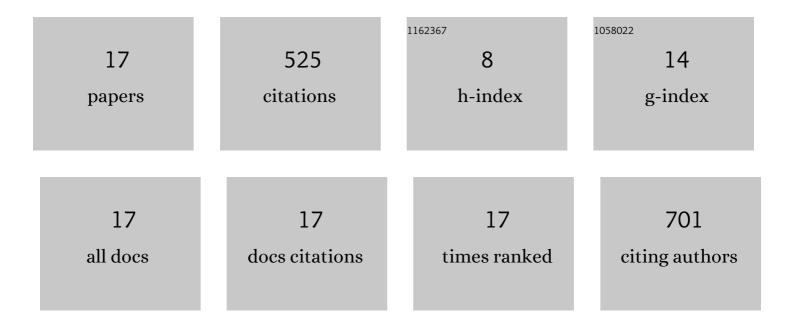
Philip G Collins

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2726456/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Single-molecule Taq DNA polymerase dynamics. Science Advances, 2022, 8, eabl3522.	4.7	9
2	(Invited) DNA Sequencing with Carbon Nanotube Electronics. ECS Meeting Abstracts, 2022, MA2022-01, 678-678.	0.0	0
3	Different Single-Enzyme Conformational Dynamics upon Binding Hydrolyzable or Nonhydrolyzable Ligands. Journal of Physical Chemistry B, 2021, 125, 5750-5756.	1.2	5
4	Pyrocinchonimides Conjugate to Amine Groups on Proteins via Imide Transfer. Bioconjugate Chemistry, 2020, 31, 1449-1462.	1.8	7
5	Single Molecule Bioelectronics and Their Application to Amplification-Free Measurement of DNA Lengths. Biosensors, 2016, 6, 29.	2.3	12
6	Observing Lysozyme's Closing and Opening Motions by High-Resolution Single-Molecule Enzymology. ACS Chemical Biology, 2015, 10, 1495-1501.	1.6	21
7	One-Dimensional Poole-Frenkel Conduction in the Single Defect Limit. Nano Letters, 2015, 15, 5248-5253.	4.5	5
8	Processive Incorporation of Deoxynucleoside Triphosphate Analogs by Single-Molecule DNA Polymerase I (Klenow Fragment) Nanocircuits. Journal of the American Chemical Society, 2015, 137, 9587-9594.	6.6	34
9	Dissecting Single-Molecule Signal Transduction in Carbon Nanotube Circuits with Protein Engineering. Nano Letters, 2013, 13, 625-631.	4.5	77
10	Electronic Measurements of Single-Molecule Catalysis by cAMP-Dependent Protein Kinase A. Journal of the American Chemical Society, 2013, 135, 7861-7868.	6.6	66
11	Electronic Measurements of Single-Molecule Processing by DNA Polymerase I (Klenow Fragment). Journal of the American Chemical Society, 2013, 135, 7855-7860.	6.6	41
12	Four-wave mixing microscopy with electronic contrast of individual carbon nanotubes. Physical Review B, 2012, 86, .	1.1	8
13	Single-Molecule Lysozyme Dynamics Monitored by an Electronic Circuit. Science, 2012, 335, 319-324.	6.0	215
14	Sensitivity of point defects in one dimensional nanocircuits. , 2010, , .		0
15	Effect of localized oxygen functionalization on the conductance of metallic carbon nanotubes. Physical Review B, 2009, 79, .	1.1	21
16	Scaffolding carbon nanotubes into single-molecule circuitry. Journal of Materials Research, 2008, 23, 1197-1201.	1.2	4
17	Scaffolding Carbon Nanotubes into Single-Molecule Circuitry. Materials Research Society Symposia Proceedings, 2007, 1018, 1.	0.1	0