

Philip G Collins

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

525
citations

1162367

8
h-index

1058022

14
g-index

17
all docs

17
docs citations

17
times ranked

701
citing authors

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