

Cameron Neylon

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

2,557
citations

257450

24
h-index

214800

47
g-index

100
all docs

100
docs citations

100
times ranked

3531
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and biochemical strategies for the randomization of protein encoding DNA sequences: library construction methods for directed evolution. <i>Nucleic Acids Research</i> , 2004, 32, 1448-1459.	14.5	239
2	Cloudy, increasingly FAIR; revisiting the FAIR Data guiding principles for the European Open Science Cloud. <i>Information Services and Use</i> , 2017, 37, 49-56.	0.2	232
3	Article-Level Metrics and the Evolution of Scientific Impact. <i>PLoS Biology</i> , 2009, 7, e1000242.	5.6	181
4	Interaction of the Escherichia coli Replication Terminator Protein (Tus) with DNA: A Model Derived from DNA-Binding Studies of Mutant Proteins by Surface Plasmon Resonance. <i>Biochemistry</i> , 2000, 39, 11989-11999.	2.5	154
5	Replication Termination in Escherichia coli : Structure and Antihelicase Activity of the Tus- Ter Complex. <i>Microbiology and Molecular Biology Reviews</i> , 2005, 69, 501-526.	6.6	142
6	A multi-disciplinary perspective on emergent and future innovations in peer review. <i>F1000Research</i> , 2017, 6, 1151.	1.6	134
7	“Excellence R Us” university research and the fetishisation of excellence. <i>Palgrave Communications</i> , 2017, 3, .	4.7	130
8	A Molecular Mousetrap Determines Polarity of Termination of DNA Replication in E. coli. <i>Cell</i> , 2006, 125, 1309-1319.	28.9	114
9	Covalent Attachment of Proteins to Solid Supports and Surfaces via Sortase-Mediated Ligation. <i>PLoS ONE</i> , 2007, 2, e1164.	2.5	106
10	An analysis of the feasibility of short read sequencing. <i>Nucleic Acids Research</i> , 2005, 33, e171-e171.	14.5	97
11	Small angle neutron and X-ray scattering in structural biology: recent examples from the literature. <i>European Biophysics Journal</i> , 2008, 37, 531-541.	2.2	85
12	A multi-disciplinary perspective on emergent and future innovations in peer review. <i>F1000Research</i> , 2017, 6, 1151.	1.6	62
13	Probing the microscopic flexibility of DNA from melting temperatures. <i>Nature Physics</i> , 2009, 5, 769-773.	16.7	54
14	New sources and instrumentation for neutrons in biology. <i>Chemical Physics</i> , 2008, 345, 133-151.	1.9	53
15	Thermal equivalence of DNA duplexes without calculation of melting temperature. <i>Nature Physics</i> , 2006, 2, 55-59.	16.7	41
16	Introducing structural flexibility into porphyrin-DNA zipper arrays. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 777-782.	2.8	40
17	Evaluating the impact of open access policies on research institutions. <i>ELife</i> , 2020, 9, .	6.0	39
18	Diffraction Micro Bar Codes for Encoding of Biomolecules in Multiplexed Assays. <i>Analytical Chemistry</i> , 2008, 80, 1902-1909.	6.5	32

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19	Thermal equivalence of DNA duplexes for probe design. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 034106.	1.8	30
20	Optimized Conjugation of a Fluorescent Label to Proteins via Intein-Mediated Activation and Ligation. <i>Bioconjugate Chemistry</i> , 2004, 15, 366-372.	3.6	29
21	A vision for Open Archaeology. <i>World Archaeology</i> , 2012, 44, 479-497.	1.1	29
22	A longitudinal analysis of university rankings. <i>Quantitative Science Studies</i> , 2020, 1, 1109-1135.	3.3	29
23	Comparison of bibliographic data sources: Implications for the robustness of university rankings. <i>Quantitative Science Studies</i> , 0, , 1-34.	3.3	27
24	Fuel Choices by Human Platelets in Human Plasma. <i>FEBS Journal</i> , 1997, 244, 161-167.	0.2	25
25	Multistep Synthesis on SU-8: Combining Microfabrication and Solid-Phase Chemistry on a Single Material. <i>ACS Combinatorial Science</i> , 2007, 9, 462-472.	3.3	25
26	Examining Protein-Lipid Complexes Using Neutron Scattering. <i>Methods in Molecular Biology</i> , 2013, 974, 119-150.	0.9	24
27	Open access must enable open use. <i>Nature</i> , 2012, 492, 348-349.	27.8	23
28	LabTrove: A Lightweight, Web Based, Laboratory "Blog" as a Route towards a Marked Up Record of Work in a Bioscience Research Laboratory. <i>PLoS ONE</i> , 2013, 8, e67460.	2.5	23
29	Lipid binding interactions of antimicrobial plant seed defence proteins: puroindoline-a and β -purothionin. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17153.	2.8	21
30	Applying neutral drift to the directed molecular evolution of a β -glucuronidase into a β -galactosidase: Two different evolutionary pathways lead to the same variant. <i>BMC Research Notes</i> , 2011, 4, 138.	1.4	20
31	A journal is a club: a new economic model for scholarly publishing. <i>Prometheus</i> , 2017, 35, .	0.4	17
32	Do we need to move from communication technology to user community? A new economic model of the journal as a club. <i>Learned Publishing</i> , 2019, 32, 27-35.	1.7	16
33	Puroindoline-a, a lipid binding protein from common wheat, spontaneously forms prolate protein micelles in solution. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8881.	2.8	15
34	The role of protein hydrophobicity in thionin-phospholipid interactions: a comparison of β 1 and β 2-purothionin adsorbed anionic phospholipid monolayers. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13569.	2.8	15
35	Kinetics and Thermodynamics of Biotinylated Oligonucleotide Probe Binding to Particle-Immobilized Avidin and Implications for Multiplexing Applications. <i>Analytical Chemistry</i> , 2011, 83, 2005-2011.	6.5	14
36	A multi-disciplinary perspective on emergent and future innovations in peer review. <i>F1000Research</i> , 0, 6, 1151.	1.6	14

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37	Building a Culture of Data Sharing: Policy Design and Implementation for Research Data Management in Development Research. <i>Research Ideas and Outcomes</i> , 0, 3, e21773.	1.0	13
38	On the origin of nonequivalent states: How we can talk about preprints. <i>F1000Research</i> , 2017, 6, 608.	1.6	12
39	It's not filter failure, it's a discovery deficit. <i>Serials</i> , 2011, 24, 21-25.	0.5	12
40	“Is the library open?”: Correlating unaffiliated access to academic libraries with open access support. <i>LIBER Quarterly</i> , 2018, 29, 1.	0.7	12
41	Exploring the opportunities and challenges of implementing open research strategies within development institutions. <i>Research Ideas and Outcomes</i> , 0, 2, e8880.	1.0	12
42	Expert Failure: Re-evaluating Research Assessment. <i>PLoS Biology</i> , 2013, 11, e1001677.	5.6	11
43	OPEN SCIENCE: TOOLS, APPROACHES, AND IMPLICATIONS. , 2008, , .		9
44	MyCites: a proposal to mark and report inaccurate citations in scholarly publications. <i>Research Integrity and Peer Review</i> , 2020, 5, 13.	5.2	9
45	Anharmonic Behavior in the Multisubunit Protein Apoferritin as Revealed by Quasi-Elastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10873-10878.	2.6	8
46	Changing computational research. The challenges ahead. <i>Source Code for Biology and Medicine</i> , 2012, 7, 2.	1.7	8
47	Thermal motion in the multi-subunit protein, apoferritin, as probed by high energy resolution neutron spectroscopy. <i>Soft Matter</i> , 2011, 7, 6934.	2.7	7
48	Compliance Culture or Culture Change? The role of funders in improving data management and sharing practice amongst researchers. <i>Research Ideas and Outcomes</i> , 0, 3, e14673.	1.0	7
49	More Than Just Access: Delivering on a Network-Enabled Literature. <i>PLoS Biology</i> , 2012, 10, e1001417.	5.6	6
50	The four pillars of scholarly publishing: The future and a foundation. <i>Ideas in Ecology and Evolution</i> , 0, 7, .	0.1	6
51	Head in the clouds: Re-imagining the experimental laboratory record for the web-based networked world. <i>Automated Experimentation</i> , 2009, 1, 3.	2.0	5
52	Characterizing biomaterial complexity. <i>Materials Today</i> , 2009, 12, 86-91.	14.2	5
53	Selected Wheat Seed Defense Proteins Exhibit Competitive Binding to Model Microbial Lipid Interfaces. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 6890-6900.	5.2	5
54	Open Knowledge Institutions. , 0, , .		5

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55	Open access and research dissemination in Africa. , 0, , .		5
56	Sustaining Scholarly Infrastructures through Collective Action: The Lessons that Olson can Teach us. KULA Knowledge Creation Dissemination and Preservation Studies, 0, 1, 3.	0.7	5
57	Optimal Probe Length Varies for Targets with High Sequence Variation: Implications for Probe Library Design for Resequencing Highly Variable Genes. PLoS ONE, 2008, 3, e2500.	2.5	3
58	Funding ban could break careers at the toss of a coin. Nature, 2009, 459, 641-641.	27.8	3
59	Architecting the Future of Research Communication: Building the Models and Analytics for an Open Access Future. PLoS Biology, 2013, 11, e1001691.	5.6	3
60	A Journal is a Club: A New Economic Model for Scholarly Publishing. SSRN Electronic Journal, 2016, , .	0.4	3
61	Social infrastructures in research communication: a personal view of the FORCE11 story. Insights: the UKSG Journal, 2018, 31, .	0.4	3
62	A simple setup for the study of microvolume frozen samples using Raman spectroscopy. Review of Scientific Instruments, 2005, 76, 104301.	1.3	2
63	Mapping open knowledge institutions: an exploratory analysis of Australian universities. PeerJ, 2021, 9, e11391.	2.0	2
64	Standardized Metadata Elements to Identify Access and License Information. Information Standards Quarterly, 2014, 26, 35.	0.3	2
65	Case Study: Indigenous Knowledge and Data Sharing. Research Ideas and Outcomes, 0, 3, e21704.	1.0	2
66	Data Management Plan: IDRC Data Sharing Pilot Project. Research Ideas and Outcomes, 0, 3, e14672.	1.0	2
67	Global Diversity in Higher Education Workforces: Towards Openness. Open Library of Humanities, 2022, 8, .	0.2	2
68	Changing the Academic Gender Narrative through Open Access. Publications, 2022, 10, 22.	3.8	2
69	Stitching science together. Nature, 2009, 461, 881-881.	27.8	1
70	A Protocol for Exchanging Scientific Citations. , 2009, , .		1
71	Three stories about the conduct of science: Past, future, and present. Journal of Cheminformatics, 2011, 3, 35.	6.1	1
72	Collaborative information management in scientific research processes. , 2012, , .		1

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73	Communities need journals. Notes and Records of the Royal Society, 2016, 70, 383-385.	0.3	1
74	Results of a Worldwide Survey of Mathematicians on Journal Reform. EMS Newsletter, 2017, 2017-3, 46-49.	0.1	1
75	Getting the best out of data for open access monograph presses: A case study of UCL Press. Learned Publishing, 2018, 31, 335-344.	1.7	1
76	Universities and knowledge sharing: Evaluating progress to openness at the institutional level. , 0, , .		1
77	Case Study: Neglected Health Issues in Niger. Research Ideas and Outcomes, 0, 3, e21700.	1.0	1
78	Case Study: Brazilian Virtual Herbarium. Research Ideas and Outcomes, 0, 3, e21701.	1.0	1
79	Case Study: Tobacco Economics Control Project. Research Ideas and Outcomes, 0, 3, e21703.	1.0	1
80	Case Study: Derechos Digitales. Research Ideas and Outcomes, 0, 3, e21698.	1.0	1
81	Case Study: HarassMap. Research Ideas and Outcomes, 0, 3, e21702.	1.0	1
82	Case Study: Strengthening the Economic Committee of the National Assembly in Vietnam. Research Ideas and Outcomes, 0, 3, e21699.	1.0	1
83	More readers in more places: the benefits of open access for scholarly books. Insights: the UKSG Journal, 2021, 34, .	0.4	1
84	Time for total openness. New Scientist, 2011, 211, 28-29.	0.0	0
85	Becoming Open Knowledge Institutions: Divergence, Dialogue and Diversity. Lecture Notes in Computer Science, 2021, , 431-440.	1.3	0
86	Vorreiter des freien Wissens: Public Library of Science. , 2015, , 180-183.		0
87	Case Study: Brazilian Virtual Herbarium. Research Ideas and Outcomes, 0, 3, e21852.	1.0	0
88	How Can We Use Social Media Data Related to OA Monographs. , 0, , .		0
89	Working with Web Data and APIs. , 2020, , 25-42.		0