

Damien Hall

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,303
citations

293460

24
h-index

252626

46
g-index

80
all docs

80
docs citations

80
times ranked

2550
citing authors

#	ARTICLE	IF	CITATIONS
1	Biophysical Reviews Special Issue call: Computational biophysics and structural biology of proteinsâ€™ A Special Issue in honor of Prof. Haruki Nakamuraâ€™s 70th birthday. Biophysical Reviews, 2022, 14, 21-22.	1.5	3
2	Biophysical Reviews: from the umbra of 2020â€™2021 into the antumbra of 2022. Biophysical Reviews, 2022, 14, 3-12.	1.5	5
3	Practical considerations for feature assignment in high-speed AFM of live cell membranes. Biophysics and Physicobiology, 2022, 19, n/a.	0.5	9
4	Biophysical Reviews: focusing on an issue. Biophysical Reviews, 2022, 14, 413-416.	1.5	3
5	Editorsâ€™ Roundup: April 2022. Biophysical Reviews, 2022, 14, 423-425.	1.5	9
6	Biophysical Reviewsâ€™the IUPAB journal tasked with advancing biophysics. Biophysical Reviews, 2021, 13, 1-6.	1.5	6
7	Biophysical Reviews: slowly getting back to â€™normalâ€™?. Biophysical Reviews, 2021, 13, 161-165.	1.5	4
8	Stochastic modelling of the effects of human-mobility restriction and viral infection characteristics on the spread of COVID-19. Scientific Reports, 2021, 11, 6856.	1.6	10
9	Biophysical Reviewsâ€™A call to young biophysicists. Biophysical Reviews, 2021, 13, 289-294.	1.5	7
10	Biophysical reviewsâ€™providing an effective critique. Biophysical Reviews, 2021, 13, 427-434.	1.5	1
11	Biophysical Reviewsâ€™â€™2021, the year that was. Biophysical Reviews, 2021, 13, 1-9.	1.5	1
12	On the nature of the optimal form of the holdaseâ€™type chaperone stress response. FEBS Letters, 2020, 594, 43-66.	1.3	17
13	Biophysics of human anatomy and physiologyâ€™a Special Issue in honor of Prof. Cristobal dos Remedios on the occasion of his 80th birthday. Biophysical Reviews, 2020, 12, 731-739.	1.5	5
14	Biophysical Reviews: a Q1 ranked journal in biophysics and structural biology. Biophysical Reviews, 2020, 12, 1085-1089.	1.5	2
15	Biophysical Reviews: 2020â€™looking back, going forward. Biophysical Reviews, 2020, 12, 1269-1276.	1.5	2
16	A simple method for modeling amyloid kinetics featuring position biased fiber breakage. Biophysics and Physicobiology, 2020, 17, 30-35.	0.5	5
17	Biophysical Reviewsâ€™Quantitative analysis of biological phenomenon. Biophysical Reviews, 2020, 12, 601-605.	1.5	9
18	A new decade for Biophysical Reviews and a look into the future of biophysics. Biophysical Reviews, 2020, 12, 1-7.	1.5	10

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19	Biophysical Reviews™ national biophysical society partnership program. <i>Biophysical Reviews</i> , 2020, 12, 187-192.	1.5	8
20	Biophysical Reviews: promoting the African synchrotron facility, partnering with national biophysical societies, highlighting advances in structural biology. <i>Biophysical Reviews</i> , 2019, 11, 495-497.	1.5	2
21	The benefits of writing a Review. <i>Biophysical Reviews</i> , 2019, 11, 663-666.	1.5	7
22	Biophysical Reviews enters the online world, provides a focus on biophysics in Asia. <i>Biophysical Reviews</i> , 2019, 11, 249-250.	1.5	10
23	Unified theoretical description of the kinetics of protein aggregation. <i>Biophysical Reviews</i> , 2019, 11, 191-208.	1.5	28
24	Ionic liquids and protein foldingâ€”old tricks for new solvents. <i>Biophysical Reviews</i> , 2019, 11, 209-225.	1.5	19
25	A note of appreciation for Prof. Cristobal dos Remedios on behalf of Biophysical Reviews. <i>Biophysical Reviews</i> , 2019, 11, 129-130.	1.5	1
26	2019â€”A year in Biophysical Reviews. <i>Biophysical Reviews</i> , 2019, 11, 833-839.	1.5	2
27	Foreword to â€”Multiscale structural biology: biophysical principles and mechanisms underlying the action of bio-nanomachinesâ€”a special issue in Honour of Fumio Arisakaâ€™s 70th birthday. <i>Biophysical Reviews</i> , 2018, 10, 105-129.	1.5	4
28	A new look at an old view of denaturant induced protein unfolding. <i>Analytical Biochemistry</i> , 2018, 542, 40-57.	1.1	10
29	A structural and functional study of Gln147 deamidation in Î±A-crystallin, a site of modification in human cataract. <i>Experimental Eye Research</i> , 2017, 161, 163-173.	1.2	7
30	Special Issue of Biophysical Reviews dedicated to the 19th IUPAB Conference in Edinburgh, Scotland (July 2017)â€”.. <i>Biophysical Reviews</i> , 2017, 9, 269-271.	1.5	3
31	A composite polynomial approach for analyzing the indefinite self-association of macromolecules studied by sedimentation equilibrium. <i>Biophysical Chemistry</i> , 2017, 228, 10-16.	1.5	3
32	Heparin-dependent aggregation of hen egg white lysozyme reveals two distinct mechanisms of amyloid fibrillation. <i>Journal of Biological Chemistry</i> , 2017, 292, 21219-21230.	1.6	33
33	Innovations in publication: free sharing of all Biophysical Reviews™ content. <i>Biophysical Reviews</i> , 2017, 9, 67-68.	1.5	9
34	Foreword to â€”Quantitative and analytical relations in biochemistryâ€”a special issue in honour of Donald J. Winzorâ€™s 80th birthday. <i>Biophysical Reviews</i> , 2016, 8, 269-277.	1.5	4
35	Measurement of amyloid formation by turbidity assayâ€”seeing through the cloud. <i>Biophysical Reviews</i> , 2016, 8, 445-471.	1.5	60
36	Real-time monitoring of amyloid growth in a rigid gel matrix. <i>Analytical Biochemistry</i> , 2016, 511, 13-16.	1.1	2

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37	Recognizing and analyzing variability in amyloid formation kinetics: Simulation and statistical methods. <i>Analytical Biochemistry</i> , 2016, 510, 56-71.	1.1	11
38	Revisiting supersaturation as a factor determining amyloid fibrillation. <i>Current Opinion in Structural Biology</i> , 2016, 36, 32-39.	2.6	57
39	Protein aggregate turbidity: Simulation of turbidity profiles for mixed-aggregation reactions. <i>Analytical Biochemistry</i> , 2016, 498, 78-94.	1.1	48
40	Deamidation of N76 in human \hat{I}^3 S-crystallin promotes dimer formation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 315-324.	1.1	28
41	A multi-pathway perspective on protein aggregation: Implications for control of the rate and extent of amyloid formation. <i>FEBS Letters</i> , 2015, 589, 672-679.	1.3	38
42	RNA-LIM: A novel procedure for analyzing protein/single-stranded RNA propensity data with concomitant estimation of interface structure. <i>Analytical Biochemistry</i> , 2015, 472, 52-61.	1.1	10
43	A Multilaboratory Comparison of Calibration Accuracy and the Performance of External References in Analytical Ultracentrifugation. <i>PLoS ONE</i> , 2015, 10, e0126420.	1.1	71
44	A novel protein distance matrix based on the minimum arc-length between two amino-acid residues on the surface of a globular protein. <i>Biophysical Chemistry</i> , 2014, 190-191, 50-55.	1.5	5
45	Intrinsic Disorder Mediates Cooperative Signal Transduction in STIM1. <i>Journal of Molecular Biology</i> , 2014, 426, 2082-2097.	2.0	24
46	Foreword to the biophysics of protein-protein and protein-ligand interactions in dilute and crowded media—a special issue in honor of Allen Minton's 70th birthday. <i>Biophysical Reviews</i> , 2013, 5, 57-60.	1.5	5
47	Computational modeling of the relationship between amyloid and disease. <i>Biophysical Reviews</i> , 2012, 4, 205-222.	1.5	29
48	Semi-automated methods for simulation and measurement of amyloid fiber distributions obtained from transmission electron microscopy experiments. <i>Analytical Biochemistry</i> , 2012, 421, 262-277.	1.1	18
49	On the use of size exclusion chromatography for the resolution of mixed amyloid aggregate distributions: I. Equilibrium partition models. <i>Analytical Biochemistry</i> , 2012, 426, 69-85.	1.1	20
50	1D1524 P20 The HHH Index for assessing heterogeneity in an amyloid fibril population(Protein: Property) Tj ETQq0,0,0 rgBT /Overlock 1		
51	Effects of macromolecular crowding on intracellular diffusion from a single particle perspective. <i>Biophysical Reviews</i> , 2010, 2, 39-53.	1.5	39
52	Effect of heterogeneity on the characterization of cell membrane compartments: I. Uniform size and permeability. <i>Analytical Biochemistry</i> , 2010, 398, 230-244.	1.1	6
53	Effect of Lipid Type on the Binding of Lipid Vesicles to Islet Amyloid Polypeptide Amyloid Fibrils. <i>Biochemistry</i> , 2010, 49, 3040-3048.	1.2	31
54	A Toy Model for Calculating the Rate and Position of Amyloid Fibril Dissociation. <i>Biophysical Journal</i> , 2010, 98, 635a.	0.2	0

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55	Multi-scale modelling of amyloid formation from unfolded proteins using a set of theory derived rate constants. <i>Biophysical Chemistry</i> , 2009, 140, 122-128.	1.5	24
56	A model of amyloid's role in disease based on fibril fracture. <i>Biophysical Chemistry</i> , 2009, 145, 17-28.	1.5	26
57	Analysis and interpretation of two-dimensional single-particle tracking microscopy measurements: Effect of local surface roughness. <i>Analytical Biochemistry</i> , 2008, 377, 24-32.	1.1	21
58	Kinetic Models Describing Biomolecular Interactions at Surfaces. , 2008, , 81-122.		8
59	Expanding to fill the gap: A possible role for inert biopolymers in regulating the extent of the "macromolecular crowding" effect. <i>FEBS Letters</i> , 2006, 580, 2584-2590.	1.3	29
60	Protein self-association in the cell: a mechanism for fine tuning the level of macromolecular crowding?. <i>European Biophysics Journal</i> , 2006, 35, 276-280.	1.2	20
61	Turbidity as a probe of tubulin polymerization kinetics: A theoretical and experimental re-examination. <i>Analytical Biochemistry</i> , 2005, 345, 198-213.	1.1	39
62	Molecular recycling within amyloid fibrils. <i>Nature</i> , 2005, 436, 554-558.	13.7	342
63	A Toy Model for Predicting the Rate of Amyloid Formation from Unfolded Protein. <i>Journal of Molecular Biology</i> , 2005, 351, 195-205.	2.0	47
64	Effects of inert volume-excluding macromolecules on protein fiber formation. II. Kinetic models for nucleated fiber growth. <i>Biophysical Chemistry</i> , 2004, 107, 299-316.	1.5	34
65	Silent Prions Lying in Wait: A Two-hit Model of Prion/Amyloid Formation and Infection. <i>Journal of Molecular Biology</i> , 2004, 336, 775-786.	2.0	81
66	The effects of Tubulin denaturation on the characterization of its polymerization behavior. <i>Biophysical Chemistry</i> , 2003, 104, 655-682.	1.5	26
67	Macromolecular crowding: qualitative and semiquantitative successes, quantitative challenges. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1649, 127-139.	1.1	431
68	On the role of the macromolecular phase transitions in biology in response to change in solution volume or macromolecular composition: action as an entropy buffer. <i>Biophysical Chemistry</i> , 2002, 98, 233-248.	1.5	18
69	Effects of inert volume-excluding macromolecules on protein fiber formation. I. Equilibrium models. <i>Biophysical Chemistry</i> , 2002, 98, 93-104.	1.5	41
70	Use of Optical Biosensors for the Study of Mechanistically Concerted Surface Adsorption Processes. <i>Analytical Biochemistry</i> , 2001, 288, 109-125.	1.1	71
71	Interpretation of thermodynamic non-ideality in sedimentation equilibrium experiments on proteins. <i>Biophysical Chemistry</i> , 2000, 84, 217-225.	1.5	35
72	Reassessment of the calibration constant for the IAsys biosensor. <i>Journal of Chromatography A</i> , 1999, 844, 395-401.	1.8	8

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73	Potential of biosensor technology for the characterization of interactions by quantitative affinity chromatography. <i>Biomedical Applications</i> , 1998, 715, 163-181.	1.7	23
74	Use of a Resonant Mirror Biosensor to Characterize the Interaction of Carboxypeptidase A with an Elicited Monoclonal Antibody. <i>Analytical Biochemistry</i> , 1997, 244, 152-160.	1.1	48
75	Studies of Protein Interactions by Biosensor Technology: An Alternative Approach to the Analysis of Sensorgrams Deviating from Pseudo-First-Order Kinetic Behavior. <i>Analytical Biochemistry</i> , 1997, 244, 133-143.	1.1	38
76	Theoretical and Experimental Considerations of the Pseudo-First-Order Approximation in Conventional Kinetic Analysis of IAsys Biosensor Data. <i>Analytical Biochemistry</i> , 1997, 253, 145-155.	1.1	26
77	Demonstration of an Upper Limit to the Range of Association Rate Constants Amenable to Study by Biosensor Technology Based on Surface Plasmon Resonance. <i>Analytical Biochemistry</i> , 1996, 235, 175-184.	1.1	64
78	Stabilizing effect of sucrose against irreversible denaturation of rabbit muscle lactate dehydrogenase. <i>Biophysical Chemistry</i> , 1995, 57, 47-54.	1.5	32
79	Biophysical reviews: call for nominations for the 2023 Michèle Auger Award. <i>Biophysical Reviews</i> , 0, , .	1.5	4
80	Editors'™ Roundup: June 2022. <i>Biophysical Reviews</i> , 0, , .	1.5	7