

Celeste J Brown

List of Publications by Year in descending order

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64
papers

13,417
citations

81743

39
h-index

110170

64
g-index

64
all docs

64
docs citations

64
times ranked

13637
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsically disordered protein. <i>Journal of Molecular Graphics and Modelling</i> , 2001, 19, 26-59.	1.3	2,005
2	Intrinsic Disorder and Protein Function. <i>Biochemistry</i> , 2002, 41, 6573-6582.	1.2	1,605
3	Sequence complexity of disordered protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001, 42, 38-48.	1.5	1,547
4	The importance of intrinsic disorder for protein phosphorylation. <i>Nucleic Acids Research</i> , 2004, 32, 1037-1049.	6.5	1,230
5	Intrinsic Disorder in Cell-signaling and Cancer-associated Proteins. <i>Journal of Molecular Biology</i> , 2002, 323, 573-584.	2.0	1,077
6	Differences in the composition of vaginal microbial communities found in healthy Caucasian and black women. <i>ISME Journal</i> , 2007, 1, 121-133.	4.4	470
7	OPTIMIZING LONG INTRINSIC DISORDER PREDICTORS WITH PROTEIN EVOLUTIONARY INFORMATION. <i>Journal of Bioinformatics and Computational Biology</i> , 2005, 03, 35-60.	0.3	428
8	Evolutionary Rate Heterogeneity in Proteins with Long Disordered Regions. <i>Journal of Molecular Evolution</i> , 2002, 55, 104-110.	0.8	398
9	TOP-IDP-Scale: A New Amino Acid Scale Measuring Propensity for Intrinsic Disorder. <i>Protein and Peptide Letters</i> , 2008, 15, 956-963.	0.4	361
10	Identification and functions of usefully disordered proteins. <i>Advances in Protein Chemistry</i> , 2002, 62, 25-49.	4.4	352
11	Flavors of protein disorder. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 52, 573-584.	1.5	340
12	Protein flexibility and intrinsic disorder. <i>Protein Science</i> , 2004, 13, 71-80.	3.1	306
13	Molecular microbial ecology: land of the one-eyed king. <i>Current Opinion in Microbiology</i> , 2004, 7, 210-220.	2.3	267
14	Evolution and disorder. <i>Current Opinion in Structural Biology</i> , 2011, 21, 441-446.	2.6	243
15	DisProt: a database of protein disorder. <i>Bioinformatics</i> , 2005, 21, 137-140.	1.8	231
16	The vaginal bacterial communities of Japanese women resemble those of women in other racial groups. <i>FEMS Immunology and Medical Microbiology</i> , 2010, 58, 169-181.	2.7	176
17	Comparing Models of Evolution for Ordered and Disordered Proteins. <i>Molecular Biology and Evolution</i> , 2010, 27, 609-621.	3.5	165
18	Predicting Plasmid Promiscuity Based on Genomic Signature. <i>Journal of Bacteriology</i> , 2010, 192, 6045-6055.	1.0	162

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19	Vision using multiple distinct rod opsins in deep-sea fishes. <i>Science</i> , 2019, 364, 588-592.	6.0	151
20	Effects of low dose estrogen therapy on the vaginal microbiomes of women with atrophic vaginitis. <i>Scientific Reports</i> , 2016, 6, 24380.	1.6	119
21	Plasticity of the Hsp90 chaperone machine in divergent eukaryotic organisms. <i>Cell Stress and Chaperones</i> , 2009, 14, 83-94.	1.2	111
22	Identification of intrinsic order and disorder in the DNA repair protein XPA. <i>Protein Science</i> , 2001, 10, 560-571.	3.1	108
23	Plasmid Donor Affects Host Range of Promiscuous IncP-1 ² Plasmid pB10 in an Activated-Sludge Microbial Community. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5309-5317.	1.4	103
24	Genetic Diversity of the Ordinary Strain of <i>Potato virus Y</i> (PVY) and Origin of Recombinant PVY Strains. <i>Phytopathology</i> , 2011, 101, 778-785.	1.1	100
25	Broad-Host-Range Plasmids from Agricultural Soils Have IncP-1 Backbones with Diverse Accessory Genes. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7975-7983.	1.4	96
26	Dynamic Behavior of an Intrinsically Unstructured Linker Domain Is Conserved in the Face of Negligible Amino Acid Sequence Conservation. <i>Journal of Molecular Evolution</i> , 2007, 65, 277-288.	0.8	84
27	Comparison of Correspondence Analysis Methods for Synonymous Codon Usage in Bacteria. <i>DNA Research</i> , 2008, 15, 357-365.	1.5	71
28	Loss of LINE-1 Activity in the Megabats. <i>Genetics</i> , 2008, 178, 393-404.	1.2	70
29	Intrinsically disordered regions of p53 family are highly diversified in evolution. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 725-738.	1.1	68
30	Plasmids captured in <i>C. metallidurans</i> CH34: defining the PromA family of broad-host-range plasmids. <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 193-204.	0.7	67
31	The complete genome sequences of four new IncN plasmids from wastewater treatment plant effluent provide new insights into IncN plasmid diversity and evolution. <i>Plasmid</i> , 2012, 68, 13-24.	0.4	65
32	Diverse Broad-Host-Range Plasmids from Freshwater Carry Few Accessory Genes. <i>Applied and Environmental Microbiology</i> , 2013, 79, 7684-7695.	1.4	64
33	Inferring the Evolutionary History of IncP-1 Plasmids Despite Incongruence among Backbone Gene Trees. <i>Molecular Biology and Evolution</i> , 2013, 30, 154-166.	3.5	63
34	Annotation of plasmid genes. <i>Plasmid</i> , 2017, 91, 61-67.	0.4	63
35	Using Mahalanobis distance to compare genomic signatures between bacterial plasmids and chromosomes. <i>Nucleic Acids Research</i> , 2008, 36, e147-e147.	6.5	58
36	Sequence characteristics of potato virus Y recombinants. <i>Journal of General Virology</i> , 2009, 90, 3033-3041.	1.3	57

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37	Preliminary characterization of the normal microbiota of the human vulva using cultivation-independent methods. <i>Journal of Medical Microbiology</i> , 2007, 56, 271-276.	0.7	53
38	Experimental evolution of viruses: Microviridae as a model system. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2495-2501.	1.8	53
39	Genetic diversity of potato virus Y (PVY): sequence analyses reveal ten novel PVY recombinant structures. <i>Archives of Virology</i> , 2018, 163, 23-32.	0.9	47
40	Initiating a watch list for Ebola virus antibody escape mutations. <i>PeerJ</i> , 2016, 4, e1674.	0.9	36
41	Characterization of Four Multidrug Resistance Plasmids Captured from the Sediments of an Urban Coastal Wetland. <i>Frontiers in Microbiology</i> , 2017, 8, 1922.	1.5	33
42	The development of a specific pathogen free (SPF) barrier colony of marmosets (<i>Callithrix jacchus</i>) for aging research. <i>Aging</i> , 2017, 9, 2544-2558.	1.4	33
43	The Power to Detect Recombination Using the Coalescent. <i>Molecular Biology and Evolution</i> , 2001, 18, 1421-1424.	3.5	31
44	Expression of the human ADH2 gene: an unusual Sp1-binding site in the promoter of a gene expressed at high levels in liver. <i>Gene</i> , 1992, 121, 313-320.	1.0	25
45	HCMV-Infected Cells Maintain Efficient Nucleotide Excision Repair of the Viral Genome while Abrogating Repair of the Host Genome. <i>PLoS Pathogens</i> , 2012, 8, e1003038.	2.1	24
46	Comparative genomics of pAKD4, the prototype IncP-1 $\hat{\mu}$ plasmid with a complete backbone. <i>Plasmid</i> , 2010, 63, 98-107.	0.4	20
47	A TEST FOR RARE MALE MATING ADVANTAGE WITH DROSOPHILA PSEUDOOBSCURA KARYOTYPES. <i>Genetics</i> , 1984, 107, 577-589.	1.2	19
48	Fine-scale analysis of 16S rRNA sequences reveals a high level of taxonomic diversity among vaginal <i>Atopobium</i> spp.. <i>Pathogens and Disease</i> , 2015, 73, .	0.8	16
49	Predicting peak spectral sensitivities of vertebrate cone visual pigments using atomistic molecular simulations. <i>PLoS Computational Biology</i> , 2018, 14, e1005974.	1.5	15
50	Genetic Differences among Populations of the Black Turpentine Beetle, <i>Dendroctonus terebrans</i> , and an Engraver Beetle, <i>Ips calligraphus</i> (Coleoptera: Scolytidae). <i>Annals of the Entomological Society of America</i> , 1983, 76, 896-902.	1.3	13
51	Positive selection at high temperature reduces gene transcription in the bacteriophage ϕ X174. <i>BMC Evolutionary Biology</i> , 2010, 10, 378.	3.2	13
52	Improving sequence alignments for intrinsically disordered proteins. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2002, , 589-600.	0.7	13
53	Comparative genomics of IncP-1 $\hat{\mu}$ plasmids from water environments reveals diverse and unique accessory genetic elements. <i>Plasmid</i> , 2013, 70, 412-419.	0.4	12
54	Comparative genomics of <i>Bifidobacterium</i> species isolated from marmosets and humans. <i>American Journal of Primatology</i> , 2019, 81, e983.	0.8	12

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55	High Diversity of CTX-M Extended-Spectrum β -Lactamases in Municipal Wastewater and Urban Wetlands. <i>Microbial Drug Resistance</i> , 2016, 22, 312-320.	0.9	11
56	Selection Affects Genes Involved in Replication during Long-Term Evolution in Experimental Populations of the Bacteriophage ϕ X174. <i>PLoS ONE</i> , 2013, 8, e60401.	1.1	10
57	Adaptive regulatory substitutions affect multiple stages in the life cycle of the bacteriophage ϕ X174. <i>BMC Evolutionary Biology</i> , 2013, 13, 66.	3.2	9
58	Current practices in nutrition management and disease incidence of common marmosets (<i>Callithrix jacchus</i>). <i>Journal of Medical Primatology</i> , 2021, 50, 164-175.	0.3	8
59	Genetic Transition between Northern and Southern Populations of the Estuarine Isopod, <i>Cyathura polita</i> , and the Discovery of a New Species of <i>Cyathura</i> . <i>Estuaries and Coasts</i> , 1988, 11, 96.	1.7	6
60	Differential Transcription of Bacteriophage ϕ X174 Genes at 37°C and 42°C. <i>PLoS ONE</i> , 2012, 7, e35909.	1.1	6
61	The Impact of Spatial Structure on Viral Genomic Diversity Generated during Adaptation to Thermal Stress. <i>PLoS ONE</i> , 2014, 9, e88702.	1.1	6
62	New Perspectives on Ebola Virus Evolution. <i>PLoS ONE</i> , 2016, 11, e0160410.	1.1	6
63	Computational Study of Evolutionary Selection Pressure on Rainbow Trout Estrogen Receptors. <i>PLoS ONE</i> , 2010, 5, e9392.	1.1	4
64	An Analysis of Density-Dependent Viability Selection. <i>Journal of the American Statistical Association</i> , 1989, 84, 662-668.	1.8	2