

Stanley Brown

List of Publications by Year in descending order

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28
papers

2,300
citations

331259

21
h-index

525886

27
g-index

29
all docs

29
docs citations

29
times ranked

2223
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-recognition by repeating polypeptides. <i>Nature Biotechnology</i> , 1997, 15, 269-272.	9.4	459
2	A genetic analysis of crystal growth 1 Edited by M. Gottesman. <i>Journal of Molecular Biology</i> , 2000, 299, 725-735.	2.0	353
3	Engineered iron oxide-adhesion mutants of the Escherichia coli phage lambda receptor.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 8651-8655.	3.3	233
4	Toward Larger DNA Origami. <i>Nano Letters</i> , 2014, 14, 5740-5747.	4.5	164
5	The 4.5 S RNA gene of Escherichia coli is essential for cell growth. <i>Journal of Molecular Biology</i> , 1984, 178, 533-550.	2.0	127
6	Stability puzzles in phage λ . <i>Physical Review E</i> , 2002, 65, 051914.	0.8	114
7	Mutations in the gene for EF-G reduce the requirement for 4.5S RNA in the growth of E. coli. <i>Cell</i> , 1987, 49, 825-833.	13.5	80
8	A surface plasmon resonance immunosensor for detecting a dioxin precursor using a gold binding polypeptide. <i>Talanta</i> , 2003, 60, 733-745.	2.9	77
9	Time of action of 4.5 S RNA in Escherichia coli translation. <i>Journal of Molecular Biology</i> , 1989, 209, 79-90.	2.0	69
10	Construction of biosensors using a gold-binding polypeptide and a miniature integrated surface plasmon resonance sensor. <i>Biosensors and Bioelectronics</i> , 1998, 13, 1117-1126.	5.3	69
11	Surface-Specific Zeolite-Binding Proteins. <i>Advanced Materials</i> , 2002, 14, 1853-1856.	11.1	65
12	The Motion of a Single Molecule, the λ -Receptor, in the Bacterial Outer Membrane. <i>Biophysical Journal</i> , 2002, 83, 3152-3161.	0.2	57
13	Protein-Mediated Particle Assembly. <i>Nano Letters</i> , 2001, 1, 391-394.	4.5	56
14	Characterization of Campylobacter phages including analysis of host range by selected Campylobacter Penner serotypes. <i>BMC Microbiology</i> , 2007, 7, 90.	1.3	53
15	Single-cell Analysis of λ Immunity Regulation. <i>Journal of Molecular Biology</i> , 2003, 334, 363-372.	2.0	52
16	Localization and regulation of the structural gene for transcription-termination factor rho of Escherichia coli. <i>Journal of Molecular Biology</i> , 1982, 162, 283-298.	2.0	48
17	Population Dynamics of Phage and Bacteria in Spatially Structured Habitats Using Phage λ and Escherichia coli. <i>Journal of Bacteriology</i> , 2016, 198, 1783-1793.	1.0	38
18	DNA supercoiling enhances cooperativity and efficiency of an epigenetic switch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17386-17391.	3.3	36

#	ARTICLE	IF	CITATIONS
19	An easy-to-prepare mini-scaffold for DNA origami. <i>Nanoscale</i> , 2015, 7, 16621-16624.	2.8	31
20	Reconstitution of Qbeta RNA replicase from a covalently bonded elongation factor Tu-Ts complex.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1976, 73, 1131-1135.	3.3	30
21	A Genetic Analysis of Carbonâ€Nanotubeâ€Binding Proteins. <i>Small</i> , 2008, 4, 416-420.	5.2	27
22	Chirality in microbial biofilms is mediated by close interactions between the cell surface and the substratum. <i>ISME Journal</i> , 2017, 11, 1688-1701.	4.4	25
23	Effect of Energy Metabolism on Protein Motility in the Bacterial Outer Membrane. <i>Biophysical Journal</i> , 2009, 97, 1305-1312.	0.2	18
24	Tethered particle analysis of supercoiled circular DNA using peptide nucleic acid handles. <i>Nature Protocols</i> , 2014, 9, 2206-2223.	5.5	8
25	Effect of supercoiling on the λ switch. <i>Bacteriophage</i> , 2014, 4, e27517.	1.9	7
26	Protection of bacteriophage-sensitive <i>Escherichia coli</i> by lysogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2106005119.	3.3	3
27	Particleâ€Dissociating Peptides. <i>Advanced Materials</i> , 2011, 23, 132-135.	11.1	1
28	Genetic Approaches to Programmed Assembly. , 2005, , 113-125.		0