

Alice L B Pyne

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

862
citations

623734

14
h-index

752698

20
g-index

33
all docs

33
docs citations

33
times ranked

1372
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic Force Microscopy of DNA and DNA-Protein Interactions. <i>Methods in Molecular Biology</i> , 2022, , 43-62.	0.9	4
2	Base-pair resolution analysis of the effect of supercoiling on DNA flexibility and major groove recognition by triplex-forming oligonucleotides. <i>Nature Communications</i> , 2021, 12, 1053.	12.8	73
3	TopoStats – A program for automated tracing of biomolecules from AFM images. <i>Methods</i> , 2021, 193, 68-79.	3.8	23
4	Atomic force microscopy – A tool for structural and translational DNA research. <i>APL Bioengineering</i> , 2021, 5, 031504.	6.2	23
5	Imaging the Effects of Peptide Materials on Phospholipid Membranes by Atomic Force Microscopy. <i>Methods in Molecular Biology</i> , 2021, 2208, 225-235.	0.9	3
6	Cantilever Sensors for Rapid Optical Antimicrobial Sensitivity Testing. <i>ACS Sensors</i> , 2020, 5, 3133-3139.	7.8	23
7	Single-molecule kinetics of pore assembly by the membrane attack complex. <i>Nature Communications</i> , 2019, 10, 2066.	12.8	74
8	Imaging live bacteria at the nanoscale: comparison of immobilisation strategies. <i>Analyst</i> , The, 2019, 144, 6944-6952.	3.5	21
9	PEGylated surfaces for the study of DNA – protein interactions by atomic force microscopy. <i>Nanoscale</i> , 2019, 11, 20072-20080.	5.6	15
10	Bacterial killing by complement requires membrane attack complex formation via surface – bound C5 convertases. <i>EMBO Journal</i> , 2019, 38, .	7.8	76
11	DNA Origami Inside-Out Viruses. <i>ACS Synthetic Biology</i> , 2018, 7, 767-773.	3.8	42
12	Tuneable poration: host defense peptides as sequence probes for antimicrobial mechanisms. <i>Scientific Reports</i> , 2018, 8, 14926.	3.3	24
13	Engineering monolayer poration for rapid exfoliation of microbial membranes. <i>Chemical Science</i> , 2017, 8, 1105-1115.	7.4	35
14	Studies of G-quadruplexes formed within self-assembled DNA mini-circles. <i>Chemical Communications</i> , 2016, 52, 12454-12457.	4.1	15
15	Biomimetic Hybrid Nanocontainers with Selective Permeability. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11106-11109.	13.8	92
16	Imaging DNA Structure by Atomic Force Microscopy. <i>Methods in Molecular Biology</i> , 2016, 1431, 47-60.	0.9	14
17	Single – Molecule Reconstruction of Oligonucleotide Secondary Structure by Atomic Force Microscopy. <i>Small</i> , 2014, 10, 3257-3261.	10.0	96
18	Nanoscale imaging reveals laterally expanding antimicrobial pores in lipid bilayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8918-8923.	7.1	112

#	ARTICLE	IF	CITATIONS
19	Atomic Force Microscopy with Nanoscale Cantilevers Resolves Different Structural Conformations of the DNA Double Helix. Nano Letters, 2012, 12, 3846-3850.	9.1	83