Alice L B Pyne

List of Publications by Year
in descending order

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	Nanoscale imaging reveals laterally expanding antimicrobial pores in lipid bilayers. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8918-8923.	7.1	112
2	Singleâ€Molecule Reconstruction of Oligonucleotide Secondary Structure by Atomic Force Microscopy. Small, 2014, 10, 3257-3261.	10.0	96
3	Biomimetic Hybrid Nanocontainers with Selective Permeability. Angewandte Chemie - International Edition, 2016, 55, 11106-11109.	13.8	92
4	Atomic Force Microscopy with Nanoscale Cantilevers Resolves Different Structural Conformations of the DNA Double Helix. Nano Letters, 2012, 12, 3846-3850.	9.1	83
5	Bacterial killing by complement requires membrane attack complex formation via surfaceâ€bound C5 convertases. EMBO Journal, 2019, 38, .	7.8	76
6	Single-molecule kinetics of pore assembly by the membrane attack complex. Nature Communications, 2019, 10, 2066.	12.8	74
7	Base-pair resolution analysis of the effect of supercoiling on DNA flexibility and major groove recognition by triplex-forming oligonucleotides. Nature Communications, 2021, 12, 1053.	12.8	73
8	DNA Origami Inside-Out Viruses. ACS Synthetic Biology, 2018, 7, 767-773.	3.8	42
9	Engineering monolayer poration for rapid exfoliation of microbial membranes. Chemical Science, 2017, 8, 1105-1115.	7.4	35
10	Tuneable poration: host defense peptides as sequence probes for antimicrobial mechanisms. Scientific Reports, 2018, 8, 14926.	3.3	24
11	Cantilever Sensors for Rapid Optical Antimicrobial Sensitivity Testing. ACS Sensors, 2020, 5, 3133-3139.	7.8	23
12	TopoStats â€“ A program for automated tracing of biomolecules from AFM images. Methods, 2021, 193, 68-79.	3.8	23
13	Atomic force microscopyâ€”A tool for structural and translational DNA research. APL Bioengineering, 2021, 5, 031504.	6.2	23
14	Imaging live bacteria at the nanoscale: comparison of immobilisation strategies. Analyst, The, 2019, 144, 6944-6952.	3.5	21
15	Studies of G-quadruplexes formed within self-assembled DNA mini-circles. Chemical Communications, 2016, 52, 12454-12457.	4.1	15
16	PEGylated surfaces for the study of DNAâ€“protein interactions by atomic force microscopy. Nanoscale, 2019, 11, 20072-20080.	5.6	15
17	Imaging DNA Structure by Atomic Force Microscopy. Methods in Molecular Biology, 2016, 1431, 47-60.	0.9	14
18	Atomic Force Microscopy of DNA and DNA-Protein Interactions. Methods in Molecular Biology, 2022, , 43-62.	0.9	4

#	Article	IF	Citations
19	Imaging the Effects of Peptide Materials on Phospholipid Membranes by Atomic Force Microscopy. Methods in Molecular Biology, 2021, 2208, 225-235.	0.9	3