Paul Curnow

List of Publications by Year
in descending order

33 papers	2,117 citations	430874 18 h-index	454955 30 g-index
34 all docs	34 docs citations	34 times ranked	3373 citing authors

#	Article	IF	Citations
1	Membrane proteins, lipids and detergents: not just a soap opera. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1666, 105-117.	2.6	1,080
2	The transition state for integral membrane protein folding. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 773-778.	7.1	153
3	Combined kinetic and thermodynamic analysis of Î±-helical membrane protein unfolding. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18970-18975.	7.1	105
4	Folding scene investigation: membrane proteins. Current Opinion in Structural Biology, 2009, 19, 8-13.	5.7	82
5	Enzymatic Synthesis of Layered Titanium Phosphates at Low Temperature and Neutral pH by Cell-Surface Display of Silicatein-Î±. Journal of the American Chemical Society, 2005, 127, 15749-15755.	13.7	74
6	In vitro Unfolding and Refolding of the Small Multidrug Transporter EmrE. Journal of Molecular Biology, 2009, 393, 815-832.	4.2	59
7	Membrane proteins shape up: understanding in vitro folding. Current Opinion in Structural Biology, 2006, 16, 480-488.	5.7	56
8	Structure and function of the silicifying peptide R5. Journal of Materials Chemistry B, 2015, 3, 2607-2614.	5.8	56
9	Stable folding core in the folding transition state of an Î±-helical integral membrane protein. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14133-14138.	7.1	48
10	Lipid bilayer composition influences small multidrug transporters. BMC Biochemistry, 2008, 9, 31.	4.4	44
11	The Reconstitution and Activity of the Small Multidrug Transporter EmrE is Modulated by Non-bilayer Lipid Composition. Journal of Molecular Biology, 2004, 343, 213-222.	4.2	43
12	Direct evidence of the molecular basis for biological silicon transport. Nature Communications, 2016, 7, 11926.	12.8	40
13	<scp>Saccharomyces cerevisiae</scp> Atf1p is an alcohol acetyltransferase and a thioesterase in vitro. Yeast, 2017, 34, 239-251.	1.7	35
14	Biocatalytic Synthesis of Poly(L-Lactide) by Native and Recombinant Forms of the Silicatein Enzymes. Angewandte Chemie - International Edition, 2006, 45, 613-616.	13.8	32
15	Expression, Purification, and Reconstitution of a Diatom Silicon Transporter. Biochemistry, 2012, 51, 3776-3785.	2.5	31
16	The yeast enzyme Eht1 is an octanoylâ€CoA:ethanol acyltransferase that also functions as a thioesterase. Yeast, 2014, 31, 463-474.	1.7	31
17	A New Micromonospora Strain with Antibiotic Activity Isolated from the Microbiome of a Mid-Atlantic Deep-Sea Sponge. Marine Drugs, 2021, 19, 105.	4.6	25
18	The Contribution of a Covalently Bound Cofactor to the Folding and Thermodynamic Stability of an Integral Membrane Protein. Journal of Molecular Biology, 2010, 403, 630-642.	4.2	23

#	Article	IF	Citations
19	Expression, purification and reconstitution of the 4-hydroxybenzoate transporter PcaK from Acinetobacter sp. ADP1. Protein Expression and Purification, 2014, 101, 68-75.	1.3	18
20	Bioinspired Silicification Reveals Structural Detail in Self-Assembled Peptide Cages. ACS Nano, 2018, 12, 1420-1432.	14.6	16
21	The de novo design of a biocompatible and functional integral membrane protein using minimal sequence complexity. Scientific Reports, 2018, 8, 14564.	3.3	16
22	Membrane proteins in nanotechnology. Biochemical Society Transactions, 2009, 37, 643-652.	3.4	11
23	Translocation of the cell-penetrating Tat peptide across artificial bilayers and into living cells.. Biochemical Society Symposia, 2005, 72, 199-209.	2.7	9
24	The Bristol Sponge Microbiome Collection: A Unique Repository of Deep-Sea Microorganisms and Associated Natural Products. Antibiotics, 2020, 9, 509.	3.7	8
25	Designing minimalist membrane proteins. Biochemical Society Transactions, 2019, 47, 1233-1245.	3.4	6
26	A Natural Dielsâ€Alder Biocatalyst Enables Efficient [4+2] Cycloaddition Under Harsh Reaction Conditions. ChemCatChem, 2019, 11, 5027-5031.	3.7	5
27	Small-residue packing motifs modulate the structure and function of a minimal de novo membrane protein. Scientific Reports, 2020, 10, 15203.	3.3	5
28	Expression, purification and preliminary characterisation of the choline transporter LicB from opportunistic bacterial pathogens. Protein Expression and Purification, 2022, 190, 106011.	1.3	3
29	Refolding the integral membrane protein bacteriorhodopsin. FASEB Journal, 2006, 20, .	0.5	1
30	Membrane Protein Folding: Insights Into Folding Transition States And Lipid Control Mechanisms. Biophysical Journal, 2009, 96, 214a.	0.5	0
31	A biomimetic peptide has no effect on the isotopic fractionation during in vitro silica precipitation. Scientific Reports, 2021, 11, 9698.	3.3	0
32	A Spoonful of Sugar Helps the Silica Grow Round. Postdoc Journal, 0, , .	0.4	0
33	Expression and In Vivo Loading of De Novo Proteins with Tetrapyrrole Cofactors. Methods in Molecular Biology, 2022, 2397, 137-155.	0.9	0