Lynne Regan

List of Publications by Year
in descending order

40 papers	2,924 citations	361413 20 h-index	289244 40 g-index
42 all docs	42 docs citations	42 times ranked	4475 citing authors

#	Article	IF	Citations
1	Core packing of wellâ€defined Xâ€ray and <scp>NMR</scp> structures is the same. Protein Science, 2022, 31, .	7.6	1
2	Using physical features of protein core packing to distinguish real proteins from decoys. Protein Science, 2020, 29, 1931-1944.	7.6	4
3	LIVE-PAINT allows super-resolution microscopy inside living cells using reversible peptide-protein interactions. Communications Biology, 2020, 3, 458.	4.4	39
4	PAINT using proteins: A new brush for superâ€resolution artists. Protein Science, 2020, 29, 2142-2149.	7.6	17
5	Rational Design and Self-Assembly of Coiled-Coil Linked SasG Protein Fibrils. ACS Synthetic Biology, 2020, 9, 1599-1607.	3.8	3
6	Analyses of protein cores reveal fundamental differences between solution and crystal structures. Proteins: Structure, Function and Bioinformatics, 2020, 88, 1154-1161.	2.6	13
7	Void distributions reveal structural link between jammed packings and protein cores. Physical Review E, 2019, 99, 022416.	2.1	9
8	A threonine zipper that mediates proteinâ€“protein interactions: Structure and prediction. Protein Science, 2018, 27, 1969-1977.	7.6	5
9	The past, present and future of protein-based materials. Open Biology, 2018, 8, .	3.6	73
10	Facile Protein Immobilization Using Engineered Surface-Active Biofilm Proteins. ACS Applied Nano Materials, 2018, 1, 2483-2488.	5.0	12
11	Intensification: A Resource for Amplifying Population-Genetic Signals with Protein Repeats. Journal of Molecular Biology, 2017, 429, 435-445.	4.2	2
12	Flat Drops, Elastic Sheets, and Microcapsules by Interfacial Assembly of a Bacterial Biofilm Protein, BslA. Langmuir, 2017, 33, 13590-13597.	3.5	10
13	Designed Proteins as Novel Imaging Reagents in Living <i>Escherichia coli</i>. ChemBioChem, 2016, 17, 1652-1657.	2.6	5
14	Understanding the physical basis for the sideâ€chain conformational preferences of methionine. Proteins: Structure, Function and Bioinformatics, 2016, 84, 900-911.	2.6	10
15	A uniform survey of allele-specific binding and expression over 1000-Genomes-Project individuals. Nature Communications, 2016, 7, 11101.	12.8	78
16	Protein engineering strategies with potential applications for altering clinically relevant cellular pathways at the protein level. Expert Review of Proteomics, 2016, 13, 481-493.	3.0	3
17	Fabrication of Modularly Functionalizable Microcapsules Using Protein-Based Technologies. ACS Biomaterials Science and Engineering, 2016, 2, 1856-1861.	5.2	23
18	Random close packing in protein cores. Physical Review E, 2016, 93, 032415.	2.1	21

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19	A designed repeat protein as an affinity capture reagent. Biochemical Society Transactions, 2015, 43, 874-880.	3.4	5
20	Equilibrium transitions between side-chain conformations in leucine and isoleucine. Proteins: Structure, Function and Bioinformatics, 2015, 83, 1488-1499.	2.6	5
21	Protein design: Past, present, and future. Biopolymers, 2015, 104, 334-350.	2.4	38
22	Reads meet rotamers: structural biology in the age of deep sequencing. Current Opinion in Structural Biology, 2015, 35, 125-134.	5.7	6
23	Design of Proteinâ€"Peptide Interaction Modules for Assembling Supramolecular Structures <i>in Vivo</i> and <i>in Vitro</i>. ACS Chemical Biology, 2015, 10, 2108-2115.	3.4	29
24	Routes to DNA Accessibility: Alternative Pathways for Nucleosome Unwinding. Biophysical Journal, 2014, 107, 384-392.	0.5	10
25	All Repeats Are Not Equal: A Module-Based Approach to Guide Repeat Protein Design. Journal of Molecular Biology, 2013, 425, 1826-1838.	4.2	32
26	Proteinâ€"protein interactions: General trends in the relationship between binding affinity and interfacial buried surface area. Protein Science, 2013, 22, 510-515.	7.6	231
27	NextGen protein design. Biochemical Society Transactions, 2013, 41, 1131-1136.	3.4	18
28	The Power of Hard-Sphere Models: Explaining Side-Chain Dihedral Angle Distributions of Thr and Val. Biophysical Journal, 2012, 102, 2345-2352.	0.5	27
29	A modular approach to the design of proteinâ€based smart gels. Biopolymers, 2012, 97, 508-517.	2.4	40
30	Reply to: Comment on â€œRevisiting the Ramachandran plot from a new angleâ€· Protein Science, 2011, 20, 1774-1774.	7.6	1
31	Stimuli-Responsive Smart Gels Realized via Modular Protein Design. Journal of the American Chemical Society, 2010, 132, 14024-14026.	13.7	105
32	Screening Libraries To Identify Proteins with Desired Binding Activities Using a Split-GFP Reassembly Assay. ACS Chemical Biology, 2010, 5, 553-562.	3.4	45
33	TPR proteins: the versatile helix. Trends in Biochemical Sciences, 2003, 28, 655-662.	7.5	994
34	The role of backbone conformational heat capacity in protein stability: Temperature dependent dynamics of the B1 domain of <i>Streptococcal</i> protein G. Protein Science, 2000, 9, 1177-1193.	7.6	88
35	Understanding the sequence determinants of conformational switching using protein design. Protein Science, 2000, 9, 1651-1659.	7.6	47
36	The de novo design of a rubredoxinâ€like fe site. Protein Science, 1998, 7, 1939-1946.	7.6	59

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37	Protein alchemy: Changing Î²-sheet into Î±-helix. Nature Structural Biology, 1997, 4, 548-552.	9.7	164
38	What makes a protein a protein? Hydrophobic core designs that specify stability and structural properties. Protein Science, 1996, 5, 1584-1593.	7.6	189
39	Surface point mutations that significantly alter the structure and stability of a protein's denatured state. Protein Science, 1996, 5, 2009-2019.	7.6	46
40	A Thermodynamic Scale for the .beta.-Sheet Forming Tendencies of the Amino Acids. Biochemistry, 1994, 33, 5510-5517.	2.5	412