

# Andrew R Thomson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2905589/publications.pdf>

Version: 2024-02-01

24  
papers

1,943  
citations

430874

18  
h-index

610901

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structured cyclic peptide mimics by chemical ligation. <i>Peptide Science</i> , 2022, 114, .	1.8	1
2	How Coiled-Coil Assemblies Accommodate Multiple Aromatic Residues. <i>Biomacromolecules</i> , 2021, 22, 2010-2019.	5.4	5
3	Constructing ion channels from water-soluble $\alpha$ -helical barrels. <i>Nature Chemistry</i> , 2021, 13, 643-650.	13.6	59
4	$\beta$ -Turn Mimics by Chemical Ligation. <i>Organic Letters</i> , 2020, 22, 4424-4428.	4.6	7
5	Navigating the Structural Landscape of De Novo $\alpha$ -Helical Bundles. <i>Journal of the American Chemical Society</i> , 2019, 141, 8787-8797.	13.7	42
6	Applying graph theory to protein structures: an Atlas of coiled coils. <i>Bioinformatics</i> , 2018, 34, 3316-3323.	4.1	17
7	Maintaining and breaking symmetry in homomeric coiled-coil assemblies. <i>Nature Communications</i> , 2018, 9, 4132.	12.8	45
8	Hydra Mesoglea Proteome Identifies Thrombospondin as a Conserved Component Active in Head Organizer Restriction. <i>Scientific Reports</i> , 2018, 8, 11753.	3.3	30
9	Construction of a Chassis for a Tripartite Protein-Based Molecular Motor. <i>ACS Synthetic Biology</i> , 2017, 6, 1096-1102.	3.8	11
10	Membrane-spanning $\alpha$ -helical barrels as tractable protein-design targets. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160213.	4.0	26
11	A monodisperse transmembrane $\alpha$ -helical peptide barrel. <i>Nature Chemistry</i> , 2017, 9, 411-419.	13.6	97
12	ISAMBARD: an open-source computational environment for biomolecular analysis, modelling and design. <i>Bioinformatics</i> , 2017, 33, 3043-3050.	4.1	48
13	Installing hydrolytic activity into a completely de novo protein framework. <i>Nature Chemistry</i> , 2016, 8, 837-844.	13.6	172
14	Controlling the Assembly of Coiled-Coil Peptide Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 987-991.	13.8	53
15	Controlling the Assembly of Coiled-Coil Peptide Nanotubes. <i>Angewandte Chemie</i> , 2016, 128, 999-1003.	2.0	13
16	Functionalized $\alpha$ -Helical Peptide Hydrogels for Neural Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 431-439.	5.2	59
17	Modular Design of Self-Assembling Peptide-Based Nanotubes. <i>Journal of the American Chemical Society</i> , 2015, 137, 10554-10562.	13.7	137
18	De novo protein design: how do we expand into the universe of possible protein structures?. <i>Current Opinion in Structural Biology</i> , 2015, 33, 16-26.	5.7	150

#	ARTICLE	IF	CITATIONS
19	The Ubiquitin C-Terminal Hydrolase L1 (UCH-L1) C Terminus Plays a Key Role in Protein Stability, but Its Farnesylation Is Not Required for Membrane Association in Primary Neurons. <i>Journal of Biological Chemistry</i> , 2014, 289, 36140-36149.	3.4	33
20	Computational design of water-soluble $\hat{\pm}$ -helical barrels. <i>Science</i> , 2014, 346, 485-488.	12.6	306
21	CCBuilder: an interactive web-based tool for building, designing and assessing coiled-coil protein assemblies. <i>Bioinformatics</i> , 2014, 30, 3029-3035.	4.1	103
22	A Basis Set of <i>de Novo</i> Coiled-Coil Peptide Oligomers for Rational Protein Design and Synthetic Biology. <i>ACS Synthetic Biology</i> , 2012, 1, 240-250.	3.8	226
23	New currency for old rope: from coiled-coil assemblies to $\hat{\pm}$ -helical barrels. <i>Current Opinion in Structural Biology</i> , 2012, 22, 432-441.	5.7	130
24	A de novo peptide hexamer with a mutable channel. <i>Nature Chemical Biology</i> , 2011, 7, 935-941.	8.0	172