

Chunfu Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6543434/publications.pdf>

Version: 2024-02-01

13
papers

1,959
citations

687363

13
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

3419
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of a hyperstable 60-subunit protein icosahedron. <i>Nature</i> , 2016, 535, 136-139.	27.8	373
2	Atomic-accuracy models from 4.5-Å... cryo-electron microscopy data with density-guided iterative local refinement. <i>Nature Methods</i> , 2015, 12, 361-365.	19.0	313
3	High thermodynamic stability of parametrically designed helical bundles. <i>Science</i> , 2014, 346, 481-485.	12.6	264
4	De novo design of protein homo-oligomers with modular hydrogen-bond network-mediated specificity. <i>Science</i> , 2016, 352, 680-687.	12.6	262
5	Structurally Defined Nanoscale Sheets from Self-Assembly of Collagen-Mimetic Peptides. <i>Journal of the American Chemical Society</i> , 2014, 136, 4300-4308.	13.7	126
6	Computational design of transmembrane pores. <i>Nature</i> , 2020, 585, 129-134.	27.8	120
7	Rational Design of Helical Nanotubes from Self-Assembly of Coiled-Coil Lock Washers. <i>Journal of the American Chemical Society</i> , 2013, 135, 15565-15578.	13.7	112
8	Structural Plasticity of Helical Nanotubes Based on Coiled-Coil Assemblies. <i>Structure</i> , 2015, 23, 280-289.	3.3	107
9	Structurally Homogeneous Nanosheets from Self-Assembly of a Collagen-Mimetic Peptide. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8367-8371.	13.8	68
10	Controlling Self-Assembly of a Peptide-Based Material via Metal-Ion Induced Registry Shift. <i>Journal of the American Chemical Society</i> , 2013, 135, 10278-10281.	13.7	54
11	Structural analysis of cross- β -helical nanotubes provides insight into the designability of filamentous peptide nanomaterials. <i>Nature Communications</i> , 2021, 12, 407.	12.8	35
12	Computational design of mechanically coupled axle-rotor protein assemblies. <i>Science</i> , 2022, 376, 383-390.	12.6	33
13	Domain valency determines outcome of signaling through the angiotensin pathway. <i>EMBO Reports</i> , 2021, 22, e53471.	4.5	12