

# Yang Hsia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1181409/publications.pdf>

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13  
papers

1,006  
citations

759233

12  
h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1610  
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	Computational design of transmembrane pores. <i>Nature</i> , 2020, 585, 129-134.	27.8	120
3	Designed proteins induce the formation of nanocage-containing extracellular vesicles. <i>Nature</i> , 2016, 540, 292-295.	27.8	113
4	Synthetic Spider Silk Fibers Spun from Pyriform Spidroin 2, A Glue Silk Protein Discovered in Orb-Weaving Spider Attachment Discs. <i>Biomacromolecules</i> , 2010, 11, 3495-3503.	5.4	64
5	Confirmation of intersubunit connectivity and topology of designed protein complexes by native MS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1268-1273.	7.1	60
6	Conserved C-Terminal Domain of Spider Tubuliform Spidroin 1 Contributes to Extensibility in Synthetic Fibers. <i>Biomacromolecules</i> , 2012, 13, 304-312.	5.4	53
7	Design of multi-scale protein complexes by hierarchical building block fusion. <i>Nature Communications</i> , 2021, 12, 2294.	12.8	48
8	Spider Glue Proteins Have Distinct Architectures Compared with Traditional Spidroin Family Members. <i>Journal of Biological Chemistry</i> , 2012, 287, 35986-35999.	3.4	40
9	Reconfigurable asymmetric protein assemblies through implicit negative design. <i>Science</i> , 2022, 375, eabj7662.	12.6	36
10	Computational design of mechanically coupled axle-rotor protein assemblies. <i>Science</i> , 2022, 376, 383-390.	12.6	33
11	Dragline Silk: A Fiber Assembled with Low-Molecular-Weight Cysteine-Rich Proteins. <i>Biomacromolecules</i> , 2014, 15, 4073-4081.	5.4	25
12	Generation of ordered protein assemblies using rigid three-body fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	25
13	Identification and synthesis of novel biomaterials based on spider structural silk fibers. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 301-309.	2.3	3