

# Jorge A Fallas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3080752/publications.pdf>

Version: 2024-02-01

17  
papers

1,818  
citations

567144

15  
h-index

887953

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-hierarchical self-assembly of a collagen mimetic peptide from triple helix to nanofibre and hydrogel. <i>Nature Chemistry</i> , 2011, 3, 821-828.	6.6	559
2	Synthetic collagen mimics: self-assembly of homotrimers, heterotrimers and higher order structures. <i>Chemical Society Reviews</i> , 2010, 39, 3510.	18.7	161
3	Accurate computational design of multipass transmembrane proteins. <i>Science</i> , 2018, 359, 1042-1046.	6.0	149
4	Computational design of self-assembling cyclic protein homo-oligomers. <i>Nature Chemistry</i> , 2017, 9, 353-360.	6.6	130
5	Tailored design of protein nanoparticle scaffolds for multivalent presentation of viral glycoprotein antigens. <i>ELife</i> , 2020, 9, .	2.8	123
6	De novo design of self-assembling helical protein filaments. <i>Science</i> , 2018, 362, 705-709.	6.0	112
7	Designed proteins assemble antibodies into modular nanocages. <i>Science</i> , 2021, 372, .	6.0	104
8	Topological control of cytokine receptor signaling induces differential effects in hematopoiesis. <i>Science</i> , 2019, 364, .	6.0	89
9	Solution Structure of an ABC Collagen Heterotrimer Reveals a Single-register Helix Stabilized by Electrostatic Interactions. <i>Journal of Biological Chemistry</i> , 2009, 284, 26851-26859.	1.6	78
10	Structural Insights into Charge Pair Interactions in Triple Helical Collagen-like Proteins. <i>Journal of Biological Chemistry</i> , 2012, 287, 8039-8047.	1.6	70
11	Selective Assembly of a High Stability AAB Collagen Heterotrimer. <i>Journal of the American Chemical Society</i> , 2010, 132, 3242-3243.	6.6	50
12	Positive and Negative Design Leads to Compositional Control in AAB Collagen Heterotrimers. <i>Journal of the American Chemical Society</i> , 2011, 133, 5432-5443.	6.6	44
13	Rational Design of Single-Composition ABC Collagen Heterotrimers. <i>Journal of the American Chemical Society</i> , 2012, 134, 1430-1433.	6.6	38
14	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, .	3.3	25
15	Density functional theory rationalization of the substituent effects in trifluoromethyl-pyridinol derivatives. <i>Tetrahedron</i> , 2009, 65, 232-239.	1.0	17
16	Ê domain valency determines outcome of signaling through the angiotensin pathway. <i>EMBO Reports</i> , 2021, 22, e53471.	2.0	12
17	Sequence Position and Side Chain Length Dependence of Charge Pair Interactions in Collagen Triple Helices. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1445-1452.	2.0	4