

Jorge A Fallas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

1,301
citations

14
h-index

22
g-index

22
ext. papers

1,581
ext. citations

18.3
avg, IF

4.31
L-index

#	Paper	IF	Citations
21	Multi-hierarchical self-assembly of a collagen mimetic peptide from triple helix to nanofibre and hydrogel. <i>Nature Chemistry</i> , 2011 , 3, 821-8	17.6	468
20	Synthetic collagen mimics: self-assembly of homotrimers, heterotrimers and higher order structures. <i>Chemical Society Reviews</i> , 2010 , 39, 3510-27	58.5	137
19	Accurate computational design of multipass transmembrane proteins. <i>Science</i> , 2018 , 359, 1042-1046	33.3	93
18	Computational design of self-assembling cyclic protein homo-oligomers. <i>Nature Chemistry</i> , 2017 , 9, 353-360	36.6	78
17	De novo design of self-assembling helical protein filaments. <i>Science</i> , 2018 , 362, 705-709	33.3	78
16	Solution structure of an ABC collagen heterotrimer reveals a single-register helix stabilized by electrostatic interactions. <i>Journal of Biological Chemistry</i> , 2009 , 284, 26851-9	5.4	69
15	Structural insights into charge pair interactions in triple helical collagen-like proteins. <i>Journal of Biological Chemistry</i> , 2012 , 287, 8039-47	5.4	61
14	Tailored design of protein nanoparticle scaffolds for multivalent presentation of viral glycoprotein antigens. <i>ELife</i> , 2020 , 9,	8.9	51
13	Topological control of cytokine receptor signaling induces differential effects in hematopoiesis. <i>Science</i> , 2019 , 364,	33.3	47
12	Selective assembly of a high stability AAB collagen heterotrimer. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3242-3	16.4	42
11	Positive and negative design leads to compositional control in AAB collagen heterotrimers. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5432-43	16.4	40
10	Designed proteins assemble antibodies into modular nanocages. <i>Science</i> , 2021 , 372,	33.3	35
9	Rational design of single-composition ABC collagen heterotrimers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1430-3	16.4	30
8	F-domain valency determines outcome of signaling through the angiotensin pathway 2020 ,		28
7	Density functional theory rationalization of the substituent effects in trifluoromethyl-pyridinol derivatives. <i>Tetrahedron</i> , 2009 , 65, 232-239	2.4	13
6	Tailored Design of Protein Nanoparticle Scaffolds for Multivalent Presentation of Viral Glycoprotein Antigens		7
5	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,	11.5	6

4	Designed proteins assemble antibodies into modular nanocages 2020 ,		5
3	Sequence position and side chain length dependence of charge pair interactions in collagen triple helices. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 1445-52	4.8	4
2	F-domain valency determines outcome of signaling through the angiotensin pathway. <i>EMBO Reports</i> , 2021 , 22, e53471	6.5	4
1	Generation of ordered protein assemblies using rigid three-body fusion		4