

# Fabio Lapenta

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

577  
citations

932766

10  
h-index

996533

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of coiled-coil protein-origami cages that self-assemble in vitro and in vivo. <i>Nature Biotechnology</i> , 2017, 35, 1094-1101.	9.4	143
2	Design of fast proteolysis-based signaling and logic circuits in mammalian cells. <i>Nature Chemical Biology</i> , 2019, 15, 115-122.	3.9	143
3	Coiled coil protein origami: from modular design principles towards biotechnological applications. <i>Chemical Society Reviews</i> , 2018, 47, 3530-3542.	18.7	99
4	Structure-Activity Relationship in Monosaccharide-Based Toll-Like Receptor 4 (TLR4) Antagonists. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2895-2909.	2.9	51
5	Self-assembly and regulation of protein cages from pre-organised coiled-coil modules. <i>Nature Communications</i> , 2021, 12, 939.	5.8	28
6	<i>Escherichia coli</i> DnaE Polymerase Couples Pyrophosphatase Activity to DNA Replication. <i>PLoS ONE</i> , 2016, 11, e0152915.	1.1	20
7	Coiled-coil heterodimers with increased stability for cellular regulation and sensing SARS-CoV-2 spike protein-mediated cell fusion. <i>Scientific Reports</i> , 2021, 11, 9136.	1.6	19
8	SwitCCh: Metal-Site Design for Controlling the Assembly of a Coiled-Coil Homodimer. <i>ChemBioChem</i> , 2018, 19, 2453-2457.	1.3	17
9	Designed folding pathway of modular coiled-coil-based proteins. <i>Nature Communications</i> , 2021, 12, 940.	5.8	14
10	A nanobody toolbox targeting dimeric coiled-coil modules for functionalization of designed protein origami structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
11	Metal ion-regulated assembly of designed modular protein cages. <i>Science Advances</i> , 2022, 8, .	4.7	11
12	Design of novel protein building modules and modular architectures. <i>Current Opinion in Structural Biology</i> , 2020, 63, 90-96.	2.6	9
13	Towards designing new nano-scale protein architectures. <i>Essays in Biochemistry</i> , 2016, 60, 315-324.	2.1	4
14	HoLaMa: A Klenow sub-fragment lacking the 3'→5' exonuclease domain. <i>Archives of Biochemistry and Biophysics</i> , 2015, 575, 46-53.	1.4	3
15	Simultaneous ternary extension of DNA catalyzed by a trimeric replicase assembled in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2015, 462, 14-20.	1.0	2