PENDING  
  
  
2.  
[Quantum protein folding algorithms](https://protein-folding-demo.mybluemix.net/)  
  
3.  
[[1810.13411] A quantum alternating operator ansatz with hard and soft constraints for lattice protein folding](https://arxiv.org/abs/1810.13411)

5.  
[The prospects of quantum computing in computational molecular biology - Outeiral - 2021](https://wires.onlinelibrary.wiley.com/doi/full/10.1002/wcms.1481)  
  
7.  
[Gate-based quantum computing for protein design](https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1011033) \*\*\*

8.  
[RNA folding using quantum computers](https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1010032)  
  
9.  
[XENet: Using a new graph convolution to accelerate the timeline for protein design on quantum computers](https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1009037)  
  
10.  
[[2212.13511] Digitized-Counterdiabatic Quantum Algorithm for Protein Folding](https://arxiv.org/abs/2212.13511)  
  
11.  
[[1811.00713] Coarse-grained lattice protein folding on a quantum annealer](https://arxiv.org/abs/1811.00713)  
  
12  
<https://iopscience.iop.org/article/10.1088/2058-9565/ac4f2f/meta> (less imp)

13.  
<https://ieeexplore.ieee.org/abstract/document/9780478>  
  
14.  
<https://www.sciencedirect.com/science/article/abs/pii/S0303264722002039>

15.  
[Qiskit’s Protein Folding Module Has Moved — Here’s How to Use It | by Abby Mitchell](https://medium.com/qiskit/qiskits-protein-folding-module-has-moved-here-s-how-to-use-it-991b32381933)  
  
16.  
[A Novel Quantum Algorithm for Protein-Folding: Paving the Way Toward Resolving One of the Biggest Mysteries in Biology With Quantum Computers | by Qiskit](https://medium.com/qiskit/a-novel-quantum-algorithm-for-protein-folding-paving-the-way-toward-resolving-one-of-the-biggest-861112139ff0)  
  
17.  
<https://medium.com/m/global-identity-2?redirectUrl=https%3A%2F%2Ftowardsdatascience.com%2Fquantum-landscape-for-protein-discovery-62c0c86fc27e>

18.  
<https://ieeexplore.ieee.org/abstract/document/9780478>  
  
19.  
<https://www.sciencedirect.com/science/article/abs/pii/S0743731522000673>

20.  
<https://wires.onlinelibrary.wiley.com/doi/full/10.1002/wcms.1481>  
  
  
DONE

<https://www.nature.com/articles/s41592-021-01199-z>

<https://academic.oup.com/bib/article/23/6/bbac437/6758194>

[Resource-efficient quantum algorithm for protein folding](https://www.nature.com/articles/s41534-021-00368-4)

<https://ieeexplore.ieee.org/abstract/document/8585034>

[Hybrid Quantum-Classical Algorithm Shows Promise for Unraveling the Protein Folding Problem](https://thequantuminsider.com/2022/12/30/hybrid-quantum-classical-algorithm-shows-promise-for-unraveling-the-protein-folding-problem/)