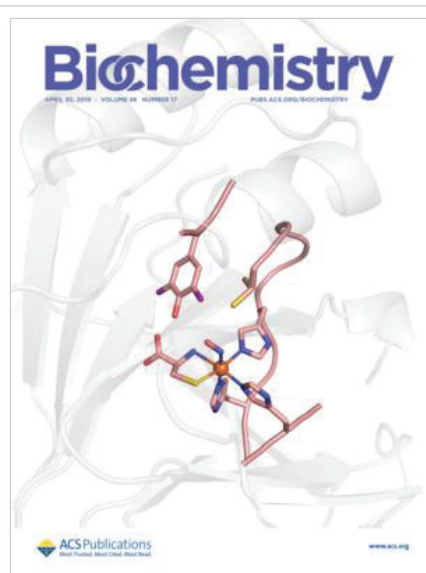


Biochemistry

[Browse the Journal](#)[Articles ASAP](#)[Current Issue](#)[Submission & Review](#)[Open Access](#)[About the Journal](#)

Table of Contents



April 30, 2019
Volume 58, Issue 17
Pages 2199-2292

About the Cover:

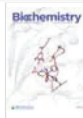
Human cysteine dioxygenase plays a vital role in regulating the cellular levels of thiols. This non-heme iron enzyme autocatalytically creates a cysteine–tyrosine linked cofactor to boost catalytic efficiency. Li et al. employed the genetic code expansion strategy to substitute the tyrosine with a difluorotyrosine and for the first time obtained a crystal structure of the un-cross-linked enzyme in complex with both L-cysteine and •NO. This long-sought complex structure provides clues for the autocatalytic formation of the protein-derived cofactor.

[View the article.](#)

In this issue:

► ARTICLES

► MASTHEADS



ARTICLES