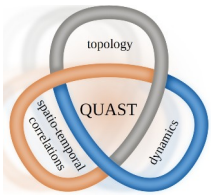

Publication notification

including metadata

(please try to fill in as much as possible, even if not complete)

QUAST

Publication:

Title:	Tunable superconductivity coexisting with the anomalous Hall effect in a transition metal dichalcogenide
Journal Reference (URL or DOI):	https://doi.org/10.1038/s41467-025-56919-2
arXiv Reference:	2501.05980

Contact for data requests:

Name:	Tobias Müller
Institution:	University of Wuerzburg, Chair for theoretical physics 1
E-Mail:	tobias.mueller1@uni-wuerzburg.de
Academic position / Role in data storage:	Postdoc

Contact for data requests:

Name:	
Institution:	
E-Mail:	
Academic position / Role in data storage:	

Type of data produced: **(Please check the corresponding box)**

☐ QUAST-funded authors were not directly involved in creating or storing data.

☐ Work is purely analytic. Figures are visualizations of analytic expressions given in the paper.

☒ For original data, please refer to the cited publications.

☐ All data and code shown in the paper are available in [provide link]

☐ Data is available on reasonable request [fill out the missing information below]

☐ Other [please provide an alternative description below]

Dataset 1: **(Collection of data published/archived together)**

Short description of data:	Numerical results of RPA calculations
Origin of data (institution):	University of Wuerzburg
(3rd party) Software used:	Own RPA implementation

☐ additional information included as README with data

Data availability:

☐ published at (DOI)

☐ on reasonable request, to corresponding author. Data is archived:

☐ according to local policy at institution (as provided).

☐ other (Please provide details: location, accessible by, ...)

☒ data included in publication or as supplemental online material at the publishers website

Source availability: **(own software or scripts, used to generate/process data)**

☐ published at (link)

☐ archived/published with data ☒ archived according to local policy at institution (as provided)

☒ other (Please provide details: location, accessible by, ...)

Source code of RPA is archived in the local git repository of the institute for theoretical physics in Würzburg.

Dataset 2: **(Collection of data published/archived together)**

Short description of data:	
Origin of data (institution):	
(3rd party) Software used:	

☐ additional information included as README with data

Data availability:

☐ published at (DOI)

☐ on reasonable request, to corresponding author. Data is archived:

☐ according to local policy at institution (as provided).

☐ other (Please provide details: location, accessible by, ...)

☐ data included in publication or as supplemental online material at the publishers website

Source availability: **(own software or scripts, used to generate/process data)**

☐ published at (link)

☐ archived/published with data ☐ archived according to local policy at institution (as provided)

☐ other (Please provide details: location, accessible by, ...)